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Site Assessment Report

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Site Assessment Report
SWISS VALLEY CLEANERS
1395 MacArthur Boulevard, San Leandro, California

19 May 2015
AGE-Project No. 12 - 2461

PREPARED FOR:

Mr. William Matthew Brooks
ARDENBROOK

***PREPARED BY*:**

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Site Assessment Report
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TABLE OF CONTENTS

Site Assessment Report
SWISS VALLEY CLEANERS
1395 MacArthur Boulevard, San Leandro, California

TABLE OF CONTENTS

Site Assessment Report
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1.0. INTRODUCTION

Advanced GeoEnvironmental, Inc. (AGE) has prepared this, *Site Assessment Report,* for the site located at 1395 MacArthur Boulevard, San Leandro, California (site). The scope of work included the advancement of eighteen (18) soil borings for collection of soil and soil-vapor samples and installation of four sub-slab vapor wells. Additionally the scope of work included sampling of sub-slab vapor and collection of indoor air samples from the former dry cleaners, beauty salon and former jazzercise suites.

The location of the site and the surrounding area are illustrated in Figure 1; detailed maps of boring and soil-vapor sampling locations are included as Figures 2 and 3.

2.0. PROCEDURES

Soil boring advancement and sampling procedures were outlined in the AGE-prepared, *Site Assessment and Sub-Slab Vapor Well Installation Work Plan,* dated 05 November 2014. Procedures were further modified by the Alameda County Environmental Health Services (ACEHS) directive letter, dated 11 March 2014 (Appendix A). Borings were advanced at the site under Alameda County Public Works Agency - Water Resources permit and City of San Leandro encroachment permits, which have been included in Appendix B.

2.1. SOIL PROBE BORING ADVANCEMENT

Between 09 February 2015 and 10 March 2015, AGE advanced eighteen (18) soil probe borings at the site for collection of soil-vapor samples, utilizing a hand auger, a limited access direct-push power probe, or a van-mounted direct-push probing unit. All borings were advanced to a depth of three or five feet below surface grade (bsg) for the collection of soil-vapor samples.

Additionally, thirteen of the eighteen borings were advanced following vapor sampling for collection of soil samples, utilizing a hand auger, a limited access direct-push power probe or a van-mounted direct-push probing unit. All borings were advanced to a total depth of ten feet bsg, with the exception of B57, which was advanced to a depth of five feet bsg; during advancement of B57 a void was encountered at a depth of five feet bsg and the boring was abandoned at that depth.

The locations of the soil and soil-vapor borings are illustrated in Figures 2 and 3.

2.2. SOIL-VAPOR SAMPLE COLLECTION

Soil-vapor samples were collected from borings B46 through B63 at depths of three (B46 through B50) and five feet bsg (B51 through B63) by installing temporary vapor points using disposable vapor implants; temporary vapor points were installed utilizing a limited access drilling rig, standard access direct-push drilling rig or hand auger.

For vapor samples collected using the direct-push probing units, 1¼ -inch diameter rods were used to advance the borings to total depths. Once total depth was reached, the rods were removed and vapor implants with ¼-inch Teflon tubing were used to create a temporary vapor sampling point. Once the sampling implant was in place, clean #2/12 sand was used to fill the void of the area surrounding the implant to a depth of approximately 4 feet bsg. The rest of the void space between 4 feet bsg and ground surface was then filled with granular bentonite and hydrated in order to prevent ambient air and tracer gas from intruding into the subsurface sampling points.

For vapor samples collected at 3-feet bsg, a 1.5-inch diameter hand auger was used to advance the boring until refusal conditions were encountered, which was generally at a depth of 3 feet bsg. Once total depth was reached an implant was set and was sanded to one half foot above the implant (2.5 to 3.0 feet bsg). Dry bentonite was used to fill the boring to one and a half feet bsg (1.5 to 2.5 feet bsg) and then bentonite hydrated from 1.5 feet bsg to near surface grade.

Vapor samples B46 through B50 were collected by AGE staff within the Rite Aid suite/1355 MacArthur Boulevard. A minimum of 30 minutes equilibration time was observed prior to collecting samples at each location. For vapor sample collection, a peristaltic pump calibrated to 250 ml per minute was used to purge each location for a minimum of one minute prior to collection of each sample. Each sampling location was covered with a plastic shroud and a bowl with isopropyl-wetted cotton balls was placed adjacent to the sample tubing prior to collecting each vapor sample. Once the sampling point was purged (for a minimum of 1 minute) a sample was collected into a 1-liter Tedlar bag.

Vapor samples B51 through B63 were collected by a representative of TEG Northern California (TEG) and analyzed on-site in a mobile laboratory to provide real time results of subsurface conditions at the site. All vapor samples collected were analyzed for volatile organic compounds by EPA method 8260B and leak check compound 1,1-difluroethane (1,1-DFA).

All samples collected by TEG staff were done following a minimum of 30 minutes equilibration time. Further, all samples were collected following three purge volumes (previously determined by step sampling at the first vapor sampling point VP-1; samples collected and analyzed at 1, 3 and 10 purge volumes).

2.3. SOIL SAMPLE COLLECTION

During the February and March 2015 site investigations soil samples were collected from all advanced borings. A summary of the sampling procedures for each set of borings are summarized below:

Borings B46 through B50 (09 and 10 February 2014):

Soil samples were collected from 0.5 to 1.0 feet bsg, from 1.5 to 2.0 feet bsg and from 2.5 to 3.0 feet bsg using a hand auger; hand auger refusal was encountered in all borings at a depth of 3 feet bsg. All samples were hand-packed into pre-cut acetate liners.

After field evaluation samples were placed on ice and then later delivered to McCampbell Analytical Inc. (MAI) of Pittsburg, California and analyzed for VOCs by EPA method 8260B.

Borings B50 through B55 (26 February 2015):

Soil samples were collected from 0.5 to 1.0 feet bsg, from 1.5 to 2.0 feet bsg, from 2.5 to 3.5 feet bsg, from 3.5 to 4.5 feet bsg and from 4.0 to 5.0 feet bsg using a 1.75-inch hand auger.

Once a hand-cleared depth of 5 feet bsg was reached, a van mounted Geoprobe 5400 direct-push drilling rig was utilized to collected samples continuously from 5 feet bsg to 10 feet bsg; soil samples were collected from 5.0 to 7.0 feet bsg, from 7.0 to 9.0 feet bsg and from 9.0 to 10.0 feet bsg in borings B50, B51, B52, and B54; and from 5.0 to 7.0 feet bsg and 8.0 to 10.0 feet bsg in B53 and B55.

For samples collected with the hand auger, each sample was hand-packed into an acetate sleeve; for samples collected using the direct push drilling rig, each sample was collected utilizing a 1.5-inch diameter Geoprobe soil sampling assembly loaded with a two-foot long acetate liner.

Soil samples were placed on ice and delivered to Cal-Tech Environmental Laboratories (CTEL) of Paramount, California. All soil samples were analyzed for VOCs by EPA method 8260B.

Borings B56 through B59 (27 February 2015):

Soil samples were collected from 0.5 to 1.0 feet bsg and from 1.5 to 2.0 feet bsg, from all borings with a hand auger; boring refusal was encountered at a depth of 3.0 feet bsg. A limited access powerprobe, equipped with ¾-inch probing rods was then used to collect soil samples from 3.0 to 10.0 feet bsg; soil samples were collected using a piston

driven sampling rod and 2-foot acetate liners from 3.0 to 5.0 feet bsg, from 5.0 to 7.0 feet bsg, from 7.0 to 9.0 feet bsg and from 9.0 to 10.0 feet bsg. An anomalous void was encountered in boring B57 at 5 feet bsg and the boring was terminated at that depth and abandoned.

After field evaluation and screening, samples were placed on ice and later delivered to CTEL for analysis.

Borings B60 through B63 (10 March 2015):

Soil samples were collected at one-foot intervals from all borings from 0.5 to 1.0 feet bsg, from 1.5 to 2.0 feet bsg, from 2.5 to 3.0 feet bsg, from 3.5 to 4.0 feet bsg and from 4.5 to 5.0 feet bsg with a hand auger. All samples were hand packed and then stored on ice. Thereafter a Geoprobe 5400 direct push drilling rig was utilized to collect a soil sample from each boring at a depth of 8.0 to 10.0 feet bsg. Samples were collected using a Geoprobe soil sampling assembly loaded with a two-foot long acetate liner. A selected portion of the acetate liner was cut and removed and sealed and placed on ice. Soil was then visually classified and recorded on a boring log. Additionally, soil samples were field screened for the presence of organic vapors using an OVM, equipped with a PID. Selected samples were later delivered to CTEL for analysis of VOC's by 8260B.

All soil sample sleeves were labeled with soil boring location, depth, time, date and sampler's initials and then placed in a chilled container and delivered to a California Department of Public Health (CDPH)-certified laboratory. All soil samples were visually classified in accordance with the Unified Soil Classification System (USCS) and recorded on a boring log. Additionally, all soil samples were field screened for the presence of organic vapors using an organic vapor meter (OVM), equipped with a photo-ionization detector (PID). Boring logs documenting field observations are included in Appendix C.

2.4. INDOOR AIR SAMPLING

Field work was performed utilizing procedures provided in the Interstate Technology Regulatory Council (ITRC)-prepared, *Vapor Intrusion Pathway: A Practical Guideline* dated January 2007 and the Department of Toxic Substance Control (DTSC)-prepared, Guidance For The Evaluation And Mitigation Of Subsurface Vapor Intrusion To Indoor Air - Final (Vapor Intrusion Guidance) dated October 2011. Additionally, the field work was performed in accordance with procedures outlined in the AGE-prepared, *Indoor Air Quality Sampling Work Plan*, dated 04 February 2014.

2.4.1. Pre-Field Work Preparations

On 23 and 24 March 2015, prior to the start of indoor air sample collection, all suites

sampled (1383 [Solthea Salon & Beauty Supply] and 1395 MacArthur Boulevard [Former Swiss Valley Cleaners]) were inspected and an OVM equipped with a PID was utilized to locate indoor contaminant sources and products that could potentially bias the sampling results (Figure 3). Several products with chemicals of concern had been previously identified in 1383 MacArthur Boulevard (Solthea Beauty Supply and Salon). Organic vapor was not measureable during the survey of each building prior to deployment of the indoor air sampling canisters.

2.4.2. Indoor Air Sampling

During the March 2015 indoor air sampling event, passive integrated air samples were collected from inside the suites of 1383 and 1395 MacArthur Boulevard. During the sampling events one 6-liter summa canister was deployed in the center or rear of each of the facilities in areas lacking public access.

The sampling inlet on each canister was connected to a mass flow controller containing a particulate filter; the flow controllers were calibrated to a flow rate of 3.8 milliliters/minute (ml/min) in order to collect air samples over a 24-hour period. Each canister's initial vacuum was measured and recorded to ensure the initial vacuum was greater than 20 inches of mercury (in/Hg); Initial vacuum's were measured between 21.5 and 27.5 in/Hg prior to air sample collection.

Upon can retrieval final vacuum measurements were observed between 0 and 5 in/Hg.

The air samples were transported by AGE under chain-of-custody procedures to McCampbell Analytical Inc. (MAI) located in Pittsburg, California; the CDPH ELAP Certification number is 1644. The indoor air samples were analyzed for VOCs in accordance with EPA Method TO-15.

2.5. SUB-SLAB VAPOR WELL INSTALLATION

On 12 March 2015 each sub-slab soil-vapor point was installed by coring a 2.5-inch diameter section from the concrete slab. The concrete was found to be approximately 4 inches in depth. The core was removed and a one-inch diameter auger was advanced to twelve inches below the surface or nine inches below the bottom of the slab. The sub-slab soil-vapor sampling point was constructed using a porous ceramic filter, which was attached to a 0.25-inch outside diameter (OD) stainless steel pipe with a section of 0.25-inch Teflon® tubing and a 0.25-inch brass hose barb. The pipe was extended to near the surface of the concrete slab and fitted with a compression nut and sleeve, which was flush with the concrete surface. The borehole annular space was filled with #2/12 sand from the bottom to 4 inches above the bottom of the borehole followed by a Teflon® separator; 2-inches of dry granular bentonite; 4-inches of hydrated bentonite

and a 1-inch concrete seal to near the surface of the concrete slab. A removable surface-flush seal was fashioned and installed over the pipe compression fitting prior to final surface coating.

Locations of all sub-slab vapor wells (SS-1 through SS-4) are illustrated in Figure 2.

2.6. SUB-SLAB VAPOR WELL SAMPLING

On 23 March 2015 sub-slab vapor points (SS-1 through SS-4) were sampled. During the sampling event, one-liter (sampling) and six-liter Summa purge canisters were used to collect sub-slab vapor samples. The sampling and purge canisters were connected together with a dedicated and serialized sampling inlet manifold. The sampling inlet manifold consisted of a vapor-tight valve; a particulate filter; a calibrated flow restrictor calibrated to 50 milliliters per minute (ml/min); a stainless steel tee-fitting; two vacuum gauges at either end of the flow controller and connections for both purge and sampling canisters (manifold assembly).

The manifold assembly was attached to Teflon® tubing with a compression sleeve and nut, which was attached to a dedicated brass barb that was fitted to the fitting at the top of the sub-slab monitoring point. The threads of each fitting were covered with Teflon® tape to ensure an airtight seal. The purge canister was attached to the end of the sampling manifold, while the sample canister was attached to the middle of the manifold assembly. Teflon® tape was placed on the threads of each fitting of the manifold assembly prior to attaching the sampling and purge canisters.

The initial vacuum of each canister was measured and recorded in inches of mercury (in Hg) on field logs (Appendix D). Leak tests were performed on each assembly by attaching and securing the sample and purge canisters to the manifold and opening the valves on the purge canister and the manifold. The leak test was performed for approximately 10 minutes on each assembly. Adjustments were made (tightening of fittings) and a leak test was performed again, if necessary. Once a proper seal was assured, each sub-slab monitoring location was isolated from ambient air by enclosing the sub-slab point, tubing and manifold/canister assembly in clear plastic shroud. Isopropyl alcohol (IPA) as a liquid was placed in a stainless steel bowl within the plastic shroud and allowed to volatilize into the air enclosed within the shroud surrounding the sub-slab monitoring point, tubing and manifold/canister assembly.

The purge volume was pre-determined prior to sampling by calculating the internal volume of the tubing of the manifold and well volume including filter pack.

Once the sampling apparatus was leak-tested and sealed within the shroud, the purge canister valve was opened for a calculated period of time (35 seconds) to allow the three calculated volumes of air and soil vapor to be purged. The purge vacuum gauge was monitored and recorded to ensure a proper decrease of vacuum purged.

Upon achieving the targeted purge volume, the purge canister valve was closed and the sample canister valve opened. The initial pressure on the sample canister and time were recorded. Upon reaching at least -5 in Hg or less, the sample canister valve was closed and final pressure and time recorded. The sampling port on the sampling canister was capped with a brass end-cap and sealed with Teflon® tape.

The vapor samples were transported by AGE under chain-of-custody procedures to a CDPH-certified laboratory, MAI located in Pittsburg, California; the CDPH ELAP Certification number is 1644. The sub-slab vapor samples were analyzed for VOCs and iso-propyl alcohol (IPA - tracer gas) in accordance with EPA Method TO-15.

2.7. EQUIPMENT DECONTAMINATION

Prior to use, all subsurface tools for sample collection were thoroughly rinsed with clean tap water after being washed with a solution of Alconox. All probing rods were cleaned prior to advancement at each probe boring location.

2.8. BOREHOLE ABANDONMENT

Following soil boring activities each borehole was permanently sealed to prevent the vertical migration of contaminants. Under Alameda County oversight, the boreholes were backfilled with Portland type II cement slurry from the total depth to surface grade.

3.0. FINDINGS

Chlorinated hydrocarbon and VOC impact was quantified based on laboratory analysis of soil-vapor, indoor air, and soil samples collected at the site during the February and March 2015 investigations.

3.1. ANALYTICAL RESULTS OF SOIL-VAPOR SAMPLES

A total of twenty (20) soil-vapor samples were collected from borings advanced between 09 February and 10 March 2015; duplicate analysis was conducted from borings B55-Vapor, B58-Vapor, and B63-Vapor, as part of the laboratory QA/QC protocol. All soil-vapor samples were analyzed for volatile organic compounds and leak check compounds IPA or 1,1-DFA by EPA method 8260B or TO-15. The following is a summary of results from soil vapor sampling performed in February and March 2015:

- Benzene was detected in one of the twenty samples at a concentration of 96 micrograms per cubic meter ($\mu g/m^3$; B51-Vapor);

- Ethylbenzene was detected in four of the twenty samples at a maximum concentration of 400 µg/m^3 (B46-Vapor);
- Tetrachloroethene (PCE) was detected in sixteen of the twenty samples at concentrations ranging from 170 µg/m^3 (B51-Vapor) and 70,000 µg/m^3 (B58-Vapor [dup.]);
- Toluene was detected in nine of the twenty samples at a maximum concentration of 1,900 µg/m^3 (B46-Vapor);
- 1,2,4-Trimethylbenzne (1,2,4-TMB) was detected in four of the twenty samples collected and at a maximum concentration of 410 µg/m^3 (B46-Vapor);
- Total xylenes were detected in the samples collected from B46 through B50 at a maximum concentration of 2,000 µg/m^3 (B46-Vapor);
- 1,1-dichloroehtene (1,1-DCE) was detected in one of the twenty samples at a concentration of 140 µg/m^3 (B59-Vapor); and
- m,p-xylene was detected in one of the twenty samples at a concentration of 230 µg/m^3 (B52-Vapor).

No other analytes were reported in the analyzed soil-vapor samples. Analytical results of soil-vapor samples are summarized in Table 1. A map showing the current extent of PCE concentrations in soil-vapor at five feet bsg is included as Figure 4. The laboratory reports (MAI Project No. 1502330 and TEG Project No. 50226F), QA/QC reports and chain of custody forms are included in Appendix D. Laboratory results were uploaded to the State Geotracker database under confirmation numbers 6919105291 and 3356667697.

3.2 STRATIGRAPHY AND SUMMARY OF PID MEASUREMENTS

A total of eighteen (18) borings were advanced in the Rite-Aid facility, the parking lot of the St. James Lutheran Church property, within the former Jazzercise unit and in areas surrounding the strip mall during the February and March 2015 investigation.

Based on field observations, fill material consisting of sand, silt, clay and gravel were generally observed just below the slab at a depth of 0.5 feet bsg to a maximum depth of 3 feet bsg, depending on the location of the boring. While, fill material was not encountered in off-site and in paving areas surrounding the site. Thereafter, lithology was generally fine grained. silts and minor clays from 3 to 10 feet bsg.
During sample collection no odors or soil staining were observed in any of the samples collected. Organic vapor was detected at low concentrations in selected borings at concentrations ranging between 0.1 and 2.3 parts per million volume (ppmv).

Boring logs summarizing findings from the February and March 2015 investigations are included in Appendix C. Boring logs were uploaded to the State Geotracker database under confirmation numbers 3457246780, 7976814031, 6712485611, 99484922497, 3753302037, 3423162877, 7056978344, 9810838818, 4575172185, 5753641466, 2779610812, 7391836583, 7119391739, 6284303655, 8889014542, 5300726354, 5678110480 and 1762167394.

3.3. ANALYTICAL RESULTS OF SOIL SAMPLES

A total of forty-nine (49) soil samples were submitted for laboratory analysis during the February and March 2015 investigations. PCE was detected in four of the forty-nine samples collected at concentrations ranging from 0.006 milligrams per kilogram (mg/kg; B47-2.5-3.0) to 0.05 mg/kg (B59-4.5-5.0). Additionally, total xylenes were detected at a concentration of 0.0065 mg/kg in sample B47-2.5-3.0.

No other constituents of concern were reported in samples collected during the February and March 2015 investigation. Soil analytical results are summarized in Table 2. The lateral extent of adsorbed PCE from 1.5 to 2.0 feet bsg, 2.5 to 3.0 feet bsg and from 4.5 to 5.0 feet bsg is illustrated in Figures 5, 6 and 7. The laboratory reports (MAI Project No. 1502330 and CTEL Project Nos. 1503022 and 1503061), QA/QC reports and chain of custody forms are included in Appendix E. Laboratory results were uploaded to the State Geotracker database under confirmation number 6919105291, 6295404791 and 5691706061.

3.4. ANALYTICAL RESULTS OF INDOOR AIR SAMPLES

Two indoor air samples (IA-1383 MacArthur and IA-1395 MacArthur) were collected at the site during the 23 and 24 March 2015 sampling event. All samples were analyzed for VOCs in accordance with EPA method TO-15. Results are summarized below.

- Acetone was detected in both indoor air samples at a maximum concentration of 8,600 µg/m^3 (IA-1383 MacArthur);
- Benzene was detected in both indoor air samples and at a maximum concentration of 0.64 µg/m^3 (IA-1383 MacArthur);
- Carbon tetrachloride (CT) was detected in both of the indoor air samples and at a maximum concentration of 0.56 µg/m^3 (IA-1383 MacArthur);
- Chloroform was detected in both indoor air samples and at a maximum concentration of 5.3 µg/m^3 (IA-1383 MacArthur);
- Chloromethane was detected in one of the two samples at a concentration of 0.62 µg/m^3 (IA-1395 MacArthur);

- 1,4-dichlorobenzne was detected in both indoor air samples and at a maximum concentration of 0.33 µg/m^3 (IA-1383 MacArthur);
- Dichlorodifluoromethane (DCDFM) was detected in both of the indoor air samples at a maximum concentration of 2.4 µg/m^3 (IA-1395 MacArthur);
- 1-2-dichloroethane (1,2-DCA) was detected in both indoor air samples at a maximum concentration of 0.37 µg/m^3 (IA-1377 MacArthur);
- 1-2,dichloropropane was detected in both samples at a maximum concentration of 0.059 µg/m^3 (IA-1383 MacArthur);
- Ethyl acetate (EA) was detected in both samples at a maximum concentration 580 µg/m^3 (IA-1383 MacArthur);
- Ethylbenzene was detected in one of the two samples at a concentration of 0.53 µg/m^3 (IA-1383 MacArthur);
- Heptane was detected in the IA-1383 MacArthur sample at a concentration of 3.5 µg/m^3;
- Methylene chloride (MC) was detected in the IA-1383 MacArthur sample at a concentration of 0.59 µg/m^3;
- Methyl methylcrylate (MM) was detected in both samples collected at a maximum concentration of 2,900 µg/m^3 (IA-1383 MacArthur);
- Naphthalene was detected in both indoor air samples and at a maximum concentration of 0.41 µg/m^3 (IA-1383 MacArthur);
- Styrene was detected in the IA-1383 MacArthur at a concentration of 0.66 µg/m^3;
- Tetrachloroethylene (PCE) was detected in both indoor air samples collected and at a maximum concentration of 19 µg/m^3 (IA-1383 MacArthur);
- Toluene was detected in both indoor air samples collected and at a maximum concentration of 15 µg/m^3 (IA-1383 MacArthur);
- 1,1,2-trichloroethane was detected in one of the two indoor air samples at a concentration of 0.12 µg/m^3 (IA-1383 MacArthur);
- Trichloroethene (TCE) was detected in both samples at a maximum concentration of 0.064 µg/m^3 (IA-1383 MacArthur);
- Trichlorofluoromethane (TCFM) was detected in both of the samples collected at a maximum concentration of 1.3 µg/m^3 (IA-1395 MacArthur);
- 1,2,4-trimethylbenzne was detected in the 1383 MacArthur sample at a concentration of 0.58 µg/m^3;

- Vinyl acetate was detected in the 1395 MacArthur sample at a concentration 1.4 µg/m^3; and
- Total xylenes were detected in the 1383 MacArthur sample at a concentration of 2.0 µg/m^3.

A summary of analytical results from samples collected during the March 2015 sampling event are included in Table 3. The laboratory report (MAI work order number 1503981), quality assurance/quality control report, and chain-of-custody form are included in Appendix E. Laboratory analytical was uploaded to the State GeoTracker database under confirmation number 1860907018.

3.5. ANALYTICAL RESULTS OF SUB-SLAB VAPOR SAMPLES

A total of four (4) sub-slab vapor samples were collected at the site in March 2015 and analyzed for VOCs and IPA. The following is a summary of the results:

- Benzene was detected in all four sub-slab samples at a maximum concentration of 42 µg/m^3 (SS-1);
- Carbon disulfide was detected in all four sub-slab vapor samples at a maximum concentration of 7.0 µg/m^3 (SS-2);
- Chloroform was detected two of the four samples at a maximum concentration of 3.4 µg/m^3 (SS-4);
- DCDFM was detected in all four sub-slab vapor samples at a maximum conentration of 2.8 µg/m^3 (SS-2 and SS-4);
- 1-2-DCA was detected in SS-4 at a concentration of 2.2 µg/m^3;
- Ethylbenzene was detected in three of the four samples at a maximum concentration of 39 µg/m^3 (SS-1);
- 4-ethyltoluene was detected in three of the four samples at a maximum concentration of 53 µg/m^3 (SS-1);
- Tetrachloroethene (PCE) was detected in all four sub-slab vapor samples at a maximum concentration of 8,300 µg/m^3 (SS-3);
- Tetrahydrofuran was detected in all four samples at a maximum concentration of 7.1 µg/m^3 (SS-1);
- Toluene was detected in all four samples at a maximum concentration of 58 µg/m^3 (SS-1);
- 1,1,2-trichloroethane was detected in all four samples at a maximum concentration of 27 µg/m^3 (SS-2);

- TCE was detected in three of the four vapor samples at a maximum concentration of 19 µg/m^3 (SS-3);
- 1,2-4-trimethylbenzene was detected in all four samples at a maximum concentration of 98 µg/m^3 (SS-1);
- 1,3,5-trimethylbenzne was detected in all four samples at a maximum concentration of 64 µg/m^3 (SS-1);
- Total xylenes were detected in three of the four samples at a maximum concentration of 190 µg/m^3 (SS-1);
- Tracer gas isopropyl alcohol was not detected in any of the sub-slab samples collected during the March 2015 investigation.

A summary of analytical results from samples collected during the March 2015 sampling event are included in Table 4. The laboratory report (MAI work order number 1503981), quality assurance/quality control report, and chain-of-custody forms are included in Appendix E. Laboratory analytical was uploaded to the State GeoTracker database under confirmation number 1860907018.

4.0. SUMMARY/CONCLUSIONS

Based upon the findings of this investigation, AGE concludes:

- A total of eighteen (18) borings were advanced at the site for collection of soil and soil-vapor samples within the Rite Aid facility, the former Jazzercise suite, in the St. James Lutheran Church parking lot and in areas surrounding the former dry cleaners suite (Figures 2 and 3);
- Based on soil samples collected during the February and March 2015 fill material consisting of mixtures of sand, silt, clay and gravel were encountered from below the concrete slab to depths as great as 3 feet bsg. In general, fine grained silts and clays were observed from 3 feet bsg to the total sampling depth of 10 feet bsg (Appendix C).
- A total of seventeen soil-vapor samples were collected in the St. James Lutheran Church parking lot, surrounding the perimeter of the building, within the Rite Aid and the former Jazzercise suite during the February and March 2015 investigation (Figure 3). PCE was detected in fourteen of the seventeen soil-vapor sampling points during the investigation; PCE was not detected at soil vapor sampling points B60, B62, and B63. Based on samples collected to date the “core” area/source area has been demonstrated to be located near the eastern edge of the subject facility (formerly the western edge of former cleaners). The PCE-soil-vapor plume is generally defined in all directions

surrounding the source area and appears to attenuate significantly laterally in all directions away from the source area. Additional soil-vapor assessment does appear warranted at this time (Figure 4).

- Based on all soil samples collected to date, the PCE source continues to be distributed under the southern and southeastern edge of the current building layout and due to the shallow extent of the impact, appears to be generally caused by previous surface releases of dry cleaning solvents (formerly the western edge of the former building layout; Figures 5 through 7).

- Based on soil samples the adsorbed PCE impact is most concentrated at depths between 1.5 to 5 feet bsg; PCE concentrations attenuate vertically beyond 5 feet bsg; and PCE is defined in all directions from the suspected release at the site (Figures 5 through 7). Additional shallow soil assessment does appear warranted at this time to define the lateral limits of the adsorbed PCE.

- Adsorbed PCE concentrations reported during the investigation are below residential and commercial ESLs. However, adsorbed PCE impact at the site appears to be generating elevated soil-vapor concentrations in shallow vadose zone soils beneath the subject site and within the building structure.

- Based on sub-slab vapor samples collected during the March 2015 sampling event, significant attenuation appears to be taking place from five feet bsg to just beneath the concrete slab. However, PCE concentrations detected in sub-slab soil-vapor samples SS-1 though SS-4 remain above the Commercial CHHSL for PCE in soil gas. Accumulation of chlorinated hydrocarbon impact below the slab will likely be addressed following active remediation. Additional sampling should be completed following a significant period of remedial operation to evaluate conditions beneath the concrete slab.

- Based on sub-slab vapor samples and indoor air samples collected during this round of investigation, a significant attenuation in chlorinated hydrocarbon impact is occurring between the sub-slab and indoor air (Tables 3 and 4). PCE concentrations detected in indoor air samples collected during the March 2015 investigation are consistent with concentrations detected in indoor air samples collected during the previous investigations in April and May 2014, and remain above the Commercial SFBRWQCB ESL for PCE in indoor air. Reduction in the mass following active remediation will likely decrease intrusion of PCE vapors and ambient PCE concentrations in indoor air.

5.0. RECOMMENDATIONS

Based on the results of this investigation, AGE recommends approval of the AGE prepared, *Remedial Action Work Plan*, which has been included in Appendix F. The work plan details the installation of seventeen (17) additional soil vapor wells,

infrastructure (piping and fence enclosure) and a soil-vapor extraction system to remediate the residual soil and soil-vapor impact at the site.

6.0. LIMITATIONS

Our professional services were performed using the degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar localities. The findings were based mainly upon analytical results provided by an independent laboratory. Evaluations of the geologic/ hydrogeologic conditions at the site for the purpose of this investigation are made from a limited number of available data points (i.e. soil borings, soil samples and soil-vapor samples) and subsurface conditions may vary away from these data points. No other warranty, expressed or implied, is made as to the professional recommendations contained in this report.

FIGURES

N

SCALE
0 2000 4000
FEET

SAN LEANDRO QUADRANGLE, CALIFORNIA
7.5 MINUTE SERIES (U.S. GEOLOGICAL SURVEY)

LOCATION MAP

SWISS VALLEY CLEANERS
1395 MacArthur Boulevard
SAN LEANDRO, CALIFORNIA

Advanced GeoEnvironmental, Inc.
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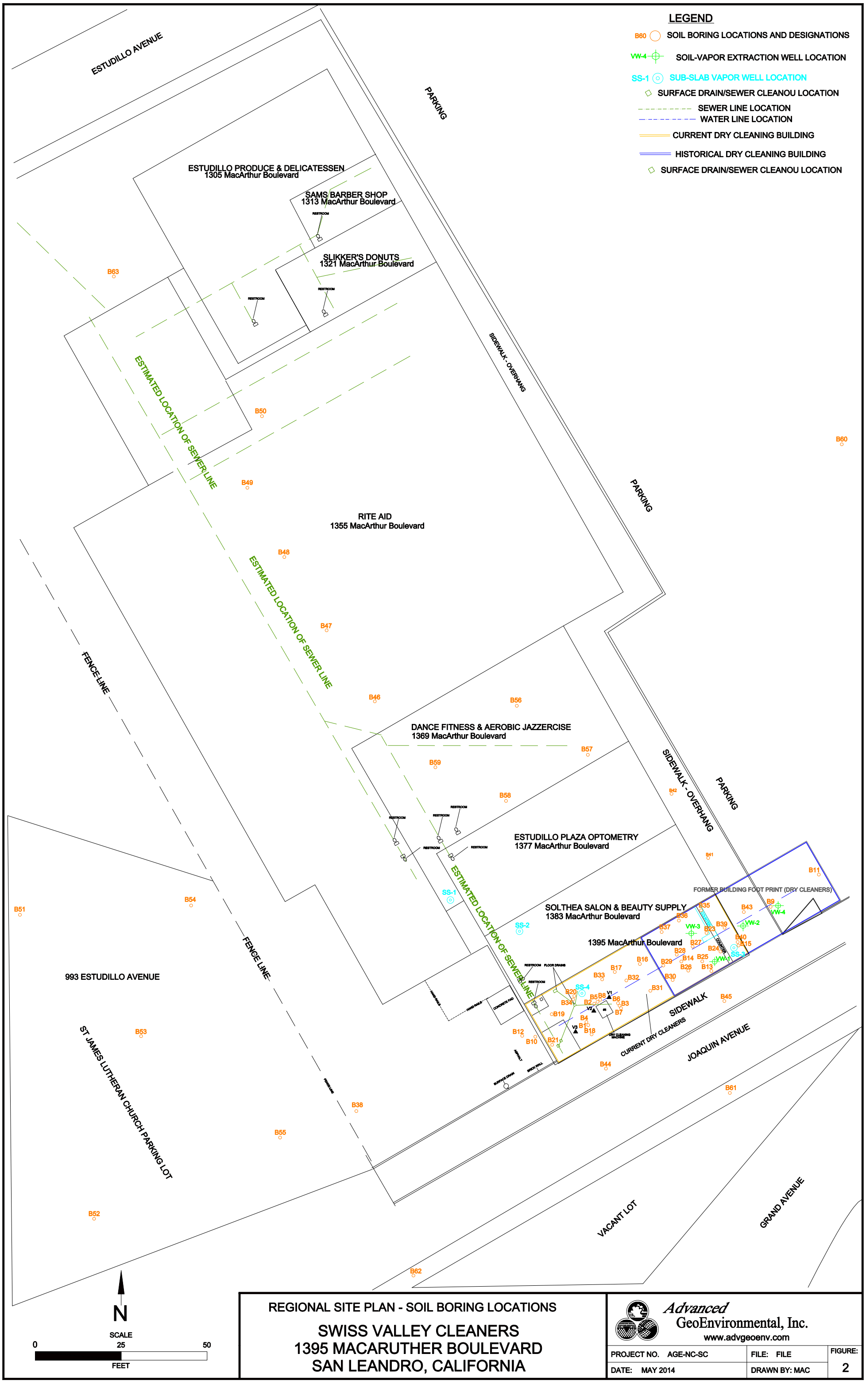
PROJECT NO. AGE-NC-12-2461	FILE: LOCATION	FIGURE: 1
DATE: 21 MAY, 2013	DRAWN BY: MAC	

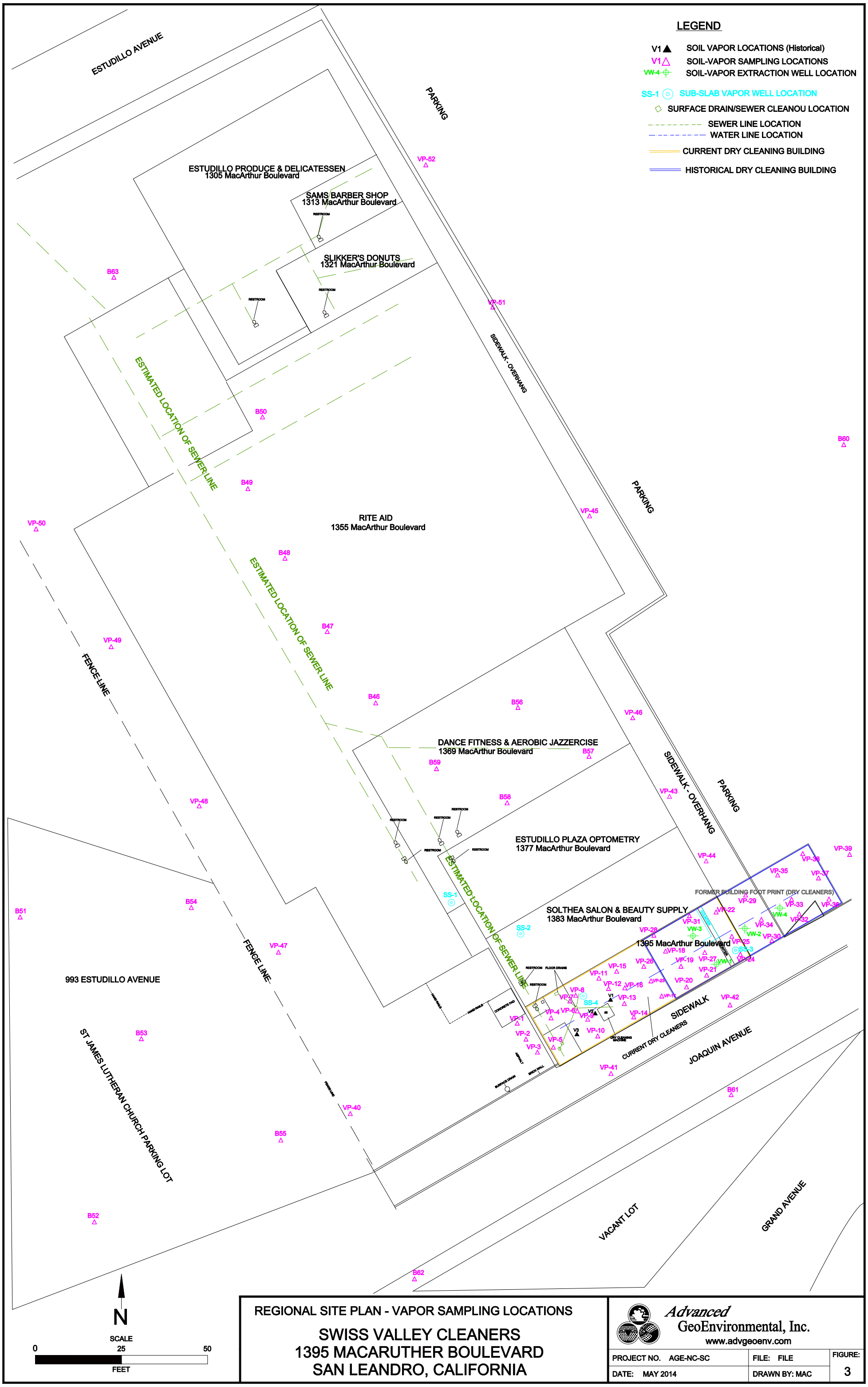


REGIONAL SITE PLAN - SOIL BORING LOCATIONS

SWISS VALLEY CLEANERS
1395 MACARUTHER BOULEVARD
SAN LEANDRO, CALIFORNIA

Advanced GeoEnvironmental, Inc.
www.advgeoenv.com

PROJECT NO. AGE-NC-SC	FILE: FILE	FIGURE: 2
DATE: MAY 2014	DRAWN BY: MAC	



REGIONAL SITE PLAN - VAPOR SAMPLING LOCATIONS

SWISS VALLEY CLEANERS
1395 MACARUTHER BOULEVARD
SAN LEANDRO, CALIFORNIA

Advanced GeoEnvironmental, Inc.
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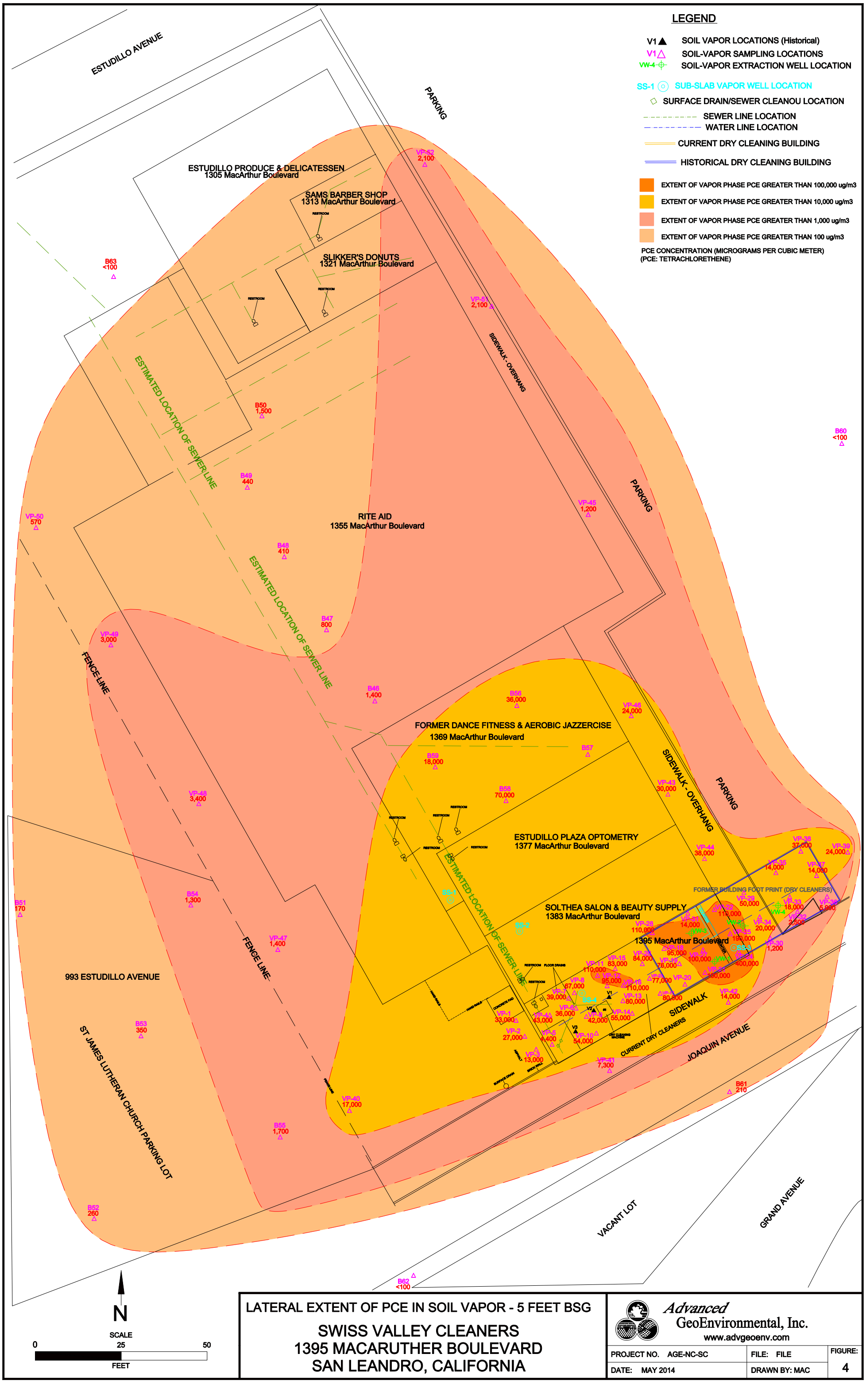
PROJECT NO. AGE-NC-SC	FILE: FILE	FIGURE: 3
DATE: MAY 2014	DRAWN BY: MAC	



LATERAL EXTENT OF PCE IN SOIL VAPOR - 5 FEET BSG

SWISS VALLEY CLEANERS
1395 MACARUTHER BOULEVARD
SAN LEANDRO, CALIFORNIA

Advanced GeoEnvironmental, Inc.
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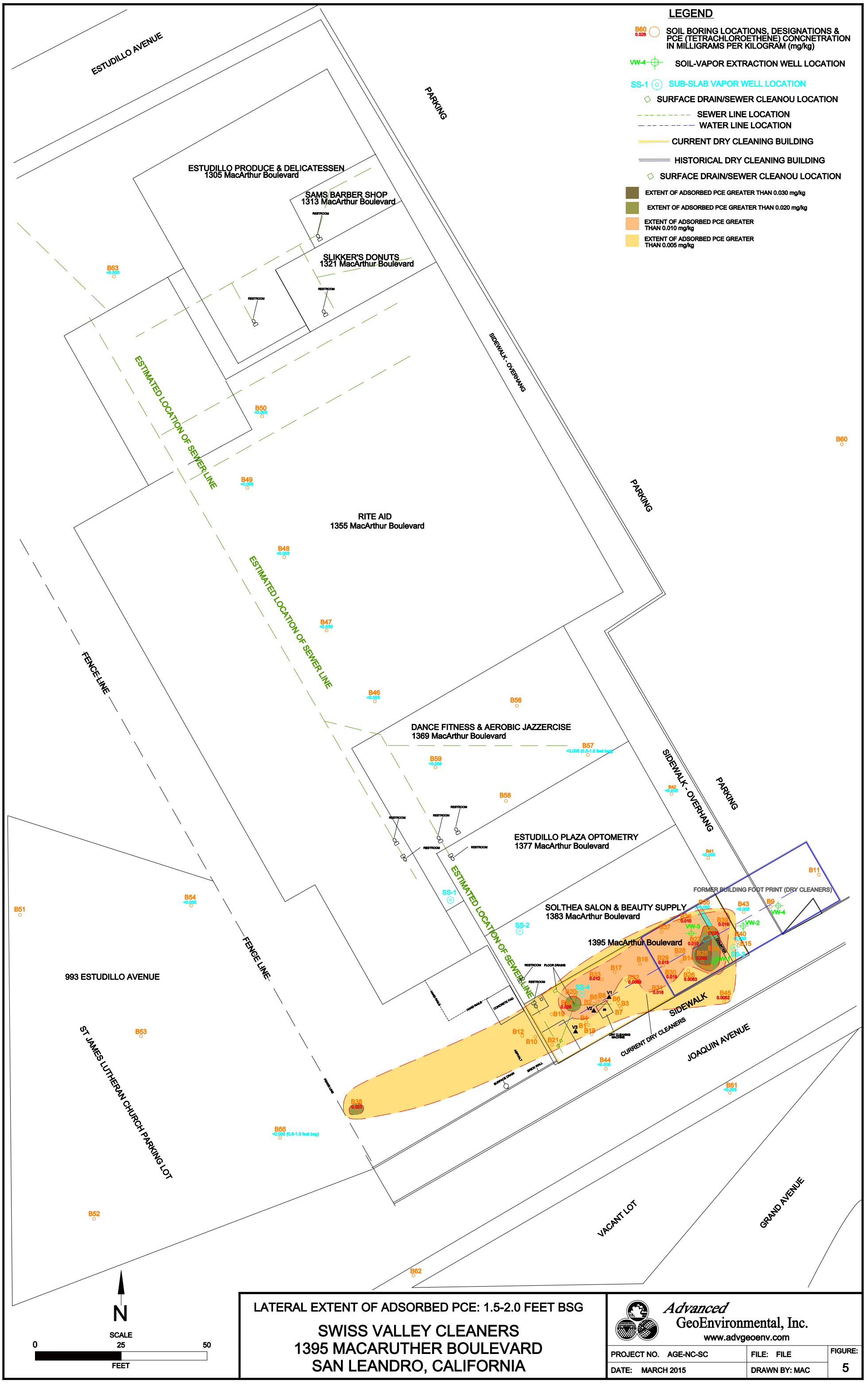
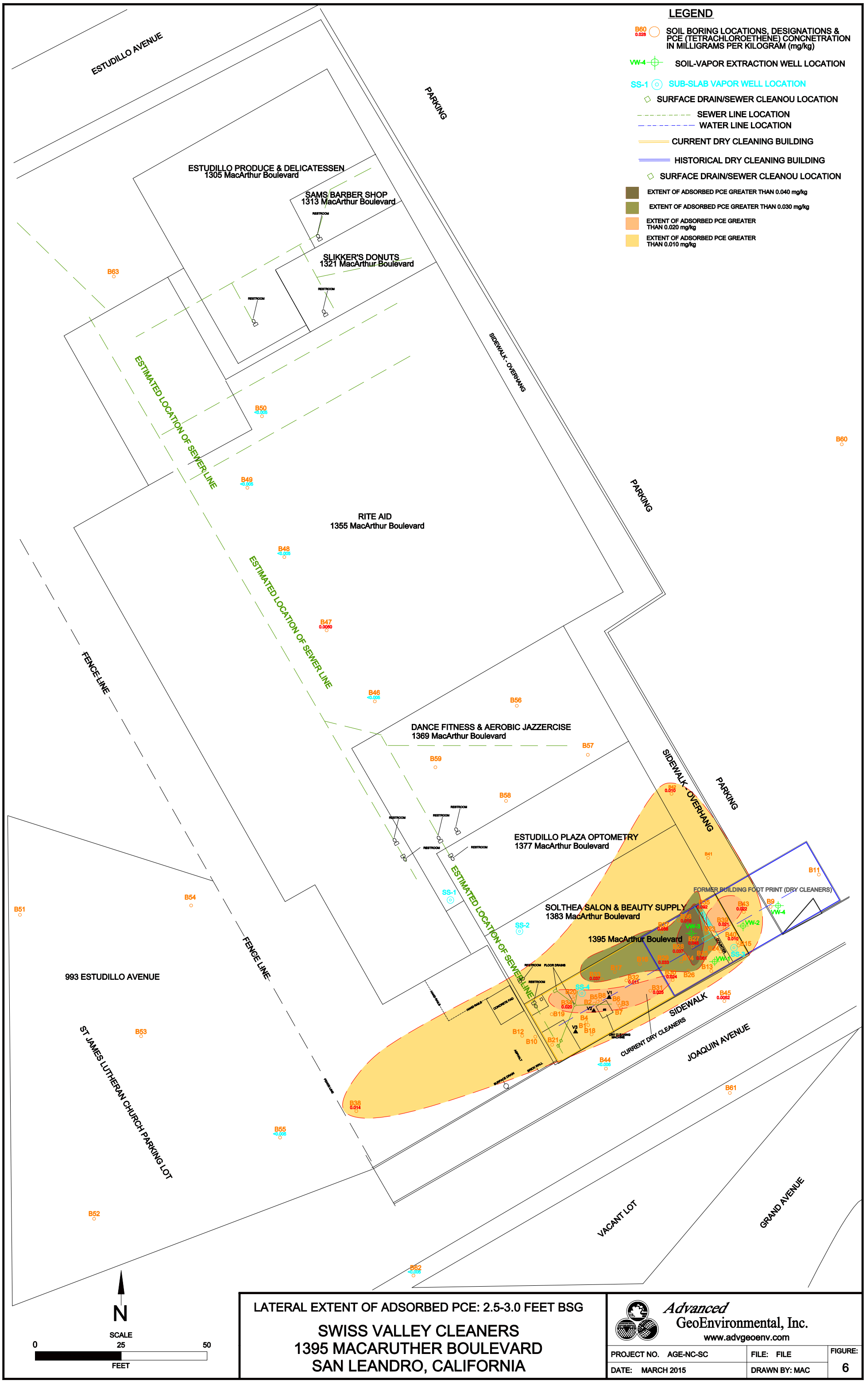
PROJECT NO. AGE-NC-SC	FILE: FILE	FIGURE: 4
DATE: MAY 2014	DRAWN BY: MAC	


LEGEND
B60 0.028 SOIL BORING LOCATIONS, DESIGNATIONS & PCE (TETRACHLOROETHENE) CONCNETRATION IN MILLIGRAMS PER KILOGRAM (mg/kg)
VW-4 SOIL-VAPOR EXTRACTION WELL LOCATION
SS-1 SUB-SLAB VAPOR WELL LOCATION
SURFACE DRAIN/SEWER CLEANOU LOCATION
SEWER LINE LOCATION
WATER LINE LOCATION
CURRENT DRY CLEANING BUILDING
HISTORICAL DRY CLEANING BUILDING
SURFACE DRAIN/SEWER CLEANOU LOCATION
EXTENT OF ADSORBED PCE GREATER THAN 0.030 mg/kg
EXTENT OF ADSORBED PCE GREATER THAN 0.020 mg/kg
EXTENT OF ADSORBED PCE GREATER THAN 0.010 mg/kg
EXTENT OF ADSORBED PCE GREATER THAN 0.005 mg/kg
ESTUDILLO AVENUE
PARKING
ESTUDILLO PRODUCE & DELICATESSEN
1305 MacArthur Boulevard
SAMS BARBER SHOP
1313 MacArthur Boulevard
SLIKKER'S DONUTS
1321 MacArthur Boulevard
RESTROOM
SIDEWALK - OVERHANG
ESTIMATED LOCATION OF SEWER LINE
RITE AID
1355 MacArthur Boulevard
FENCE LINE
DANCE FITNESS & AEROBIC JAZZERCISE
1369 MacArthur Boulevard
ESTUDILLO PLAZA OPTOMETRY
1377 MacArthur Boulevard
FORMER BUILDING FOOT PRINT (DRY CLEANERS)
SOLTHEA SALON & BEAUTY SUPPLY
1383 MacArthur Boulevard
1395 MacArthur Boulevard
993 ESTUDILLO AVENUE
ST JAMES LUTHERAN CHURCH PARKING LOT
SIDEWALK
CURRENT DRY CLEANERS
JOAQUIN AVENUE
VACANT LOT
GRAND AVENUE
N
SCALE
0 25 50
FEET
LATERAL EXTENT OF ADSORBED PCE: 1.5-2.0 FEET BSG
SWISS VALLEY CLEANERS
1395 MACARUTHER BOULEVARD
SAN LEANDRO, CALIFORNIA
Advanced GeoEnvironmental, Inc.
www.advgeoenv.com
PROJECT NO. AGE-NC-SC
FILE: FILE
FIGURE: 5
DATE: MARCH 2015
DRAWN BY: MAC



LATERAL EXTENT OF ADSORBED PCE: 2.5-3.0 FEET BSG

SWISS VALLEY CLEANERS
1395 MACARUTHER BOULEVARD
SAN LEANDRO, CALIFORNIA

Advanced GeoEnvironmental, Inc.
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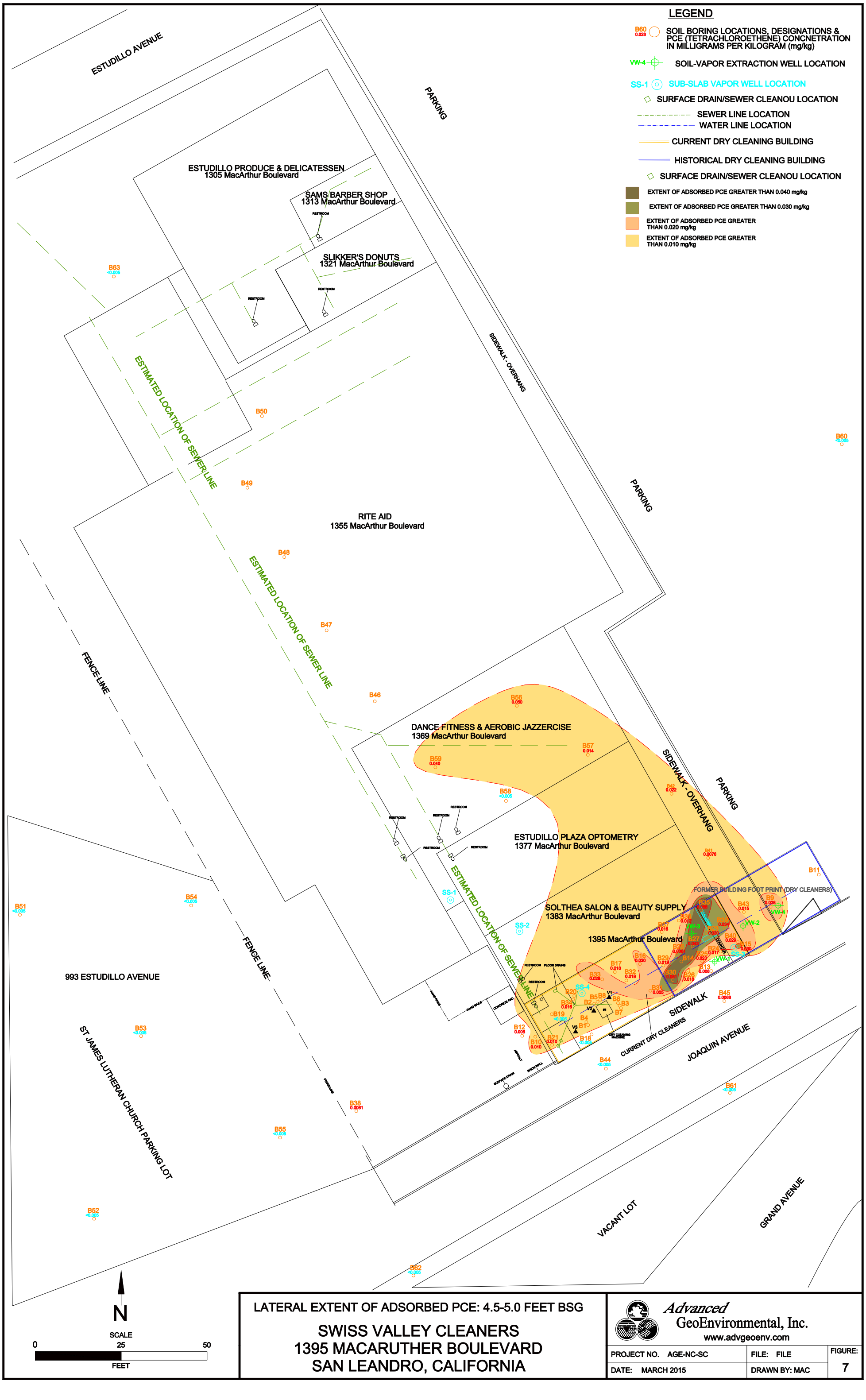
PROJECT NO. AGE-NC-SC	FILE: FILE	FIGURE: 6
DATE: MARCH 2015	DRAWN BY: MAC	


LEGEND
B60 0.028 SOIL BORING LOCATIONS, DESIGNATIONS & PCE (TETRACHLOROETHENE) CONCNETRATION IN MILLIGRAMS PER KILOGRAM (mg/kg)
VW-4 SOIL-VAPOR EXTRACTION WELL LOCATION
SS-1 SUB-SLAB VAPOR WELL LOCATION
SURFACE DRAIN/SEWER CLEANOU LOCATION
SEWER LINE LOCATION
WATER LINE LOCATION
CURRENT DRY CLEANING BUILDING
HISTORICAL DRY CLEANING BUILDING
SURFACE DRAIN/SEWER CLEANOU LOCATION
EXTENT OF ADSORBED PCE GREATER THAN 0.040 mg/kg
EXTENT OF ADSORBED PCE GREATER THAN 0.030 mg/kg
EXTENT OF ADSORBED PCE GREATER THAN 0.020 mg/kg
EXTENT OF ADSORBED PCE GREATER THAN 0.010 mg/kg
ESTUDILLO AVENUE
PARKING
ESTUDILLO PRODUCE & DELICATESSEN
1305 MacArthur Boulevard
SAMS BARBER SHOP
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SLIKKER'S DONUTS
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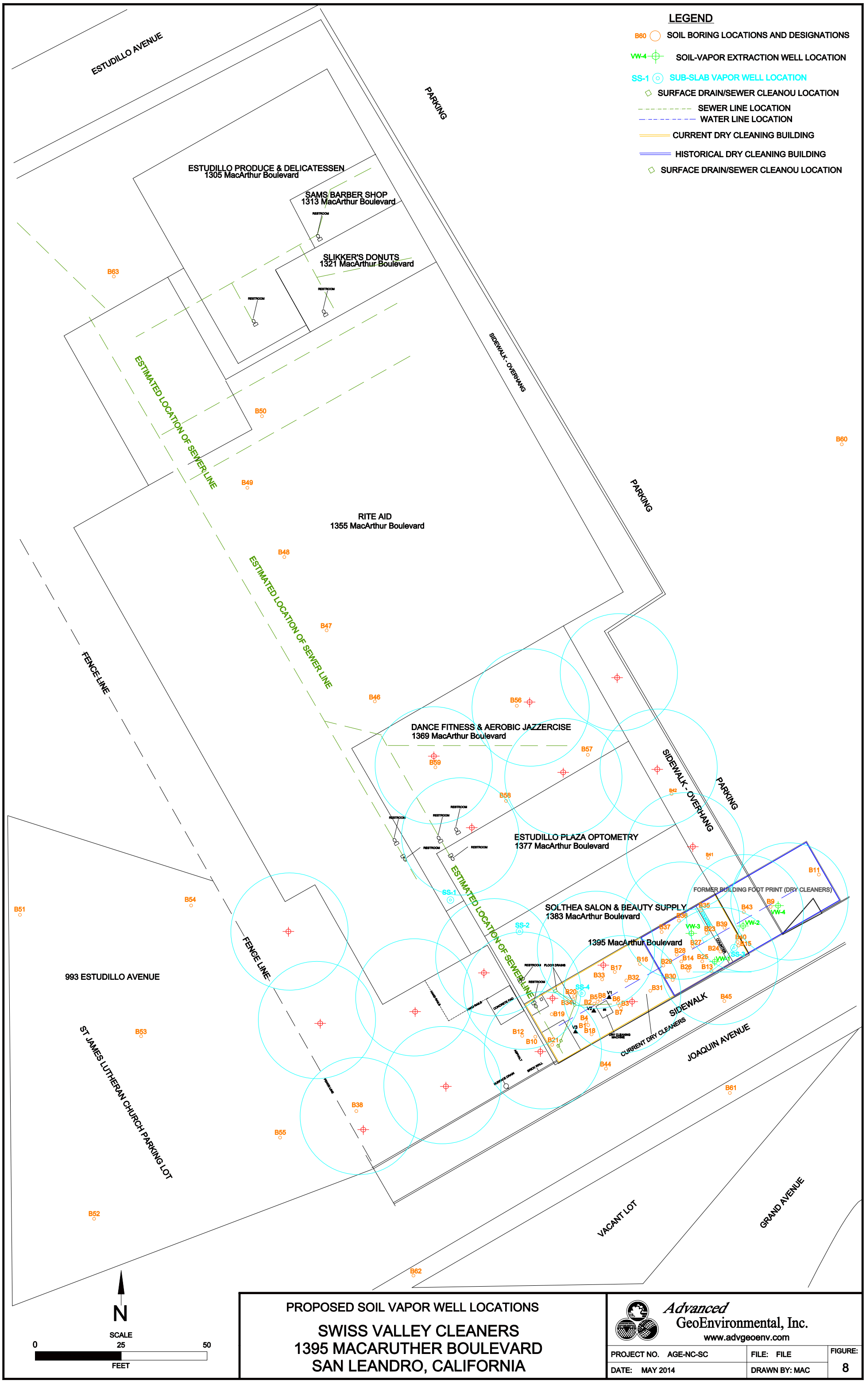
1369 MacArthur Boulevard
ESTUDILLO PLAZA OPTOMETRY
1377 MacArthur Boulevard
SOLTHEA SALON & BEAUTY SUPPLY
1383 MacArthur Boulevard
1395 MacArthur Boulevard
FORMER BUILDING FOOT PRINT (DRY CLEANERS)
993 ESTUDILLO AVENUE
ST JAMES LUTHERAN CHURCH PARKING LOT
SIDEWALK
CURRENT DRY CLEANERS
JOAQUIN AVENUE
VACANT LOT
GRAND AVENUE
N
SCALE
0 25 50
FEET
LATERAL EXTENT OF ADSORBED PCE: 4.5-5.0 FEET BSG
SWISS VALLEY CLEANERS
1395 MACARUTHER BOULEVARD
SAN LEANDRO, CALIFORNIA
Advanced GeoEnvironmental, Inc.
www.advgeoenv.com
PROJECT NO. AGE-NC-SC
FILE: FILE
FIGURE: 7
DATE: MARCH 2015
DRAWN BY: MAC



PROPOSED SOIL VAPOR WELL LOCATIONS

SWISS VALLEY CLEANERS
1395 MACARUTHER BOULEVARD
SAN LEANDRO, CALIFORNIA

Advanced GeoEnvironmental, Inc.
www.advgeoenv.com

PROJECT NO. AGE-NC-SC	FILE: FILE	FIGURE: 8
DATE: MAY 2014	DRAWN BY: MAC	

TABLES

TABLE 1

ANALYTICAL RESULTS OF SOIL-VAPOR SAMPLES
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California
(micrograms per cubic meter)

Sample ID	Date	Depth (feet bsg)	EPA Method 8260B						
			PCE	TCE	1,1-DCE	Trans 1,2-DCE	Cis 1,2-DCE	VC	Chloroform
V-1	05-08-2013	5	**29,000**	<2	<2	<2	<2	<2	<1
V-2	05-08-2013	5	**23,000**	<2	<2	<2	<2	<2	<1
V-3	05-08-2013	5	**15,000**	<2	<2	<2	<2	<2	<1
VP-1 (1 puge volume)	10-15-2013	5	**33,000**	<100	<100	<100	<100	<100	<100
VP-1 (3 purge volumes)	10-15-2013	5	**33,000**	<100	<100	<100	<100	<100	<100
VP-1 (10 purge volumes)	10-15-2013	5	**33,000**	<100	<100	<100	<100	<100	<100
VP-2	10-15-2013	5	**27,000**	<100	<100	<100	<100	<100	<100
VP-3	10-15-2013	3	**13,000**	<100	<100	<100	<100	<100	<100
VP-4	10-15-2013	5	**43,000**	<100	<100	<100	<100	<100	<100
VP-5	10-15-2013	5	**4,400**	<100	<100	<100	<100	<100	**240**
VP-6	10-15-2013	5	**36,000**	<100	<100	<100	<100	<100	<100
VP-7	10-15-2013	5	**39,000**	<100	<100	<100	<100	<100	<100
VP-7 (dup)	10-15-2013	5	**37,000**	<100	<100	<100	<100	<100	<100
VP-8	10-15-2013	5	**67,000***	<100	<100	<100	<100	<100	<100
VP-9	10-16-2013	5	**42,000**	<100	<100	<100	<100	<100	<100
VP-10	10-16-2013	5	**54,000***	<100	<100	<100	<100	<100	<100
VP-11	10-16-2013	5	**110,000**	<100	<100	<100	<100	<100	<100
VP-12	10-16-2013	5	**95,000**	<100	<100	<100	<100	<100	<100
VP-13	10-16-2013	5	**80,000**	<100	<100	<100	<100	<100	<100

TABLE 1

ANALYTICAL RESULTS OF SOIL-VAPOR SAMPLES
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California
(micrograms per cubic meter)

Sample ID	Date	Depth (feet bsg)	EPA Method 8260B						
			PCE	TCE	1,1-DCE	Trans 1,2-DCE	Cis 1,2-DCE	VC	Chloroform
VP-14	10-16-2013	5	**55,000**	<100	<100	<100	<100	<100	<100
VP-14 (dup)	10-16-2013	5	**57,000**	<100	<100	<100	<100	<100	<100
VP-15	10-16-2013	5	**83,000**	<100	<100	<100	<100	<100	<100
VP-16	10-16-2013	5	**110,000**	<100	<100	<100	<100	<100	<100
VP-17	10-16-2013	5	**80,000**	<100	<100	<100	<100	<100	<100
VP-18	10-16-2013	5	**95,000**	<100	<100	<100	<100	<100	<100
VP-19	10-16-2013	5	**76,000**	<100	<100	<100	<100	<100	<100
VP-20	not completed								
VP-21	10-17-2013	5	**100,000**	<100	<100	<100	<100	<100	<100
VP-22	10-17-2013	5	**110,000**	<100	<100	<100	<100	<100	<100
VP-23	10-17-2013	5	**77,000**	<100	<100	<100	<100	<100	<100
VP-24	10-17-2013	3	**400,000**	<100	<100	<100	<100	<100	<100
VP-25	10-17-2013	5	**190,000**	<100	<100	<100	<100	<100	<100
VP-26	10-17-2013	5	**84,000**	<100	<100	<100	<100	<100	<100
VP-27	10-17-2013	5	**100,000**	<100	<100	<100	<100	<100	<100
VP-28	10-17-2013	5	**110,000**	<100	<100	<100	<100	<100	<100
VP-29	10-17-2013	5	**50,000**	<100	<100	<100	<100	<100	<100

TABLE 1

ANALYTICAL RESULTS OF SOIL-VAPOR SAMPLES
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California
(micrograms per cubic meter)

Sample ID	Date	Depth (feet bsg)	EPA Method 8260B						
			PCE	TCE	1,1-DCE	Trans 1,2-DCE	Cis 1,2-DCE	VC	Chloroform
VP-30	10-17-2013	5	**1,200**	<100	<100	<100	<100	<100	<100
VP-31	10-18-2013	5	**100,000**	<100	<100	<100	<100	<100	<100
VP-32	10-18-2013	5	**2,500**	<100	<100	<100	<100	<100	<100
VP-32 (dup)	10-18-2013	5	**2,100**	<100	<100	<100	<100	<100	<100
VP-33	10-18-2013	5	**18,000**	<100	<100	<100	<100	<100	<100
VP-34	10-18-2013	5	**20,000**	<100	<100	<100	<100	<100	<100
VP-35	10-18-2013	5	**14,000**	<100	<100	<100	<100	<100	<100
VP-36	10-18-2013	5	**5,900**	<100	<100	<100	<100	<100	<100
VP-37	10-18-2013	5	**14,000**	<100	<100	<100	<100	<100	<100
VP-38	10-18-2013	5	**37,000**	<100	<100	<100	<100	<100	<100
VP-39	10-18-2013	5	**24,000**	<100	<100	<100	<100	<100	<100
VP-40	10-18-2013	5	**17,000**	**220**	<100	<100	<100	<100	<100
VP-41	05-05-2014	5	**7,300**	<100	<100	<100	<100	<100	<100
VP-42	05-05-2014	5	**14,000**	<100	<100	<100	<100	<100	<100
VP-43	05-05-2014	5	**32,000**	<100	<100	<100	<100	<100	<100
VP-43 (dup)	05-05-2014	5	**30,000**	<100	<100	<100	<100	<100	<100
VP-44	05-05-2014	5	**38,000**	<100	<100	<100	<100	<100	<100
VP-45	05-06-2014	5	**1,200**	<100	<100	<100	<100	<100	<100
VP-46	05-06-2014	5	**24,000**	<100	<100	<100	<100	<100	<100

TABLE 1

ANALYTICAL RESULTS OF SOIL-VAPOR SAMPLES
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California
(micrograms per cubic meter)

Sample ID	Date	Depth (feet bsg)	EPA Method 8260B						
			PCE	TCE	1,1-DCE	Trans 1,2-DCE	Cis 1,2-DCE	VC	Chloroform
VP-46 (dup)	05-06-2014	5	**21,000**	<100	<100	<100	<100	<100	<100
VP-47	05-07-2014	5	**1,400**	<100	<100	<100	<100	<100	<100
VP-48	05-07-2014	5	**3,400**	<100	<100	<100	<100	<100	<100
VP-49	05-07-2014	5	**3,000**	<100	<100	<100	<100	<100	<100
VP-50	05-07-2014	5	**570**	<100	<100	<100	<100	<100	<100
VP-51	05-07-2014	5	**2,100**	<100	<100	<100	<100	<100	<100
VP-52	05-07-2014	5	**1,300**	<100	<100	<100	<100	<100	<100
VP-52 (dup)	05-07-2014	5	**1,500**	<100	<100	<100	<100	<100	<100
B46-Vapor	02-10-2015	3	**1,400**	<250	<250	<250	<250	<250	<250
B47-Vapor	02-10-2015	3	**800**	<250	<250	<250	<250	<250	<250
B48-Vapor	02-10-2015	3	**410**	<250	<250	<250	<250	<250	<250
B49-Vapor	02-10-2015	3	**440**	<250	<250	<250	<250	<250	<250
B50-Vapor	02-10-2015	3	**1,500**	<250	<250	<250	<250	<250	<250
B51-Vapor	02-26-2015	5	**170**	<100	<100	<100	<100	<100	<100
B52-Vapor	02-26-2015	5	**260**	<100	<100	<100	<100	<100	<100
B53-Vapor	02-26-2015	5	**350**	<100	<100	<100	<100	<100	<100
B54-Vapor	02-26-2015	5	**1,300**	<100	<100	<100	<100	<100	<100
B55-Vapor	02-26-2015	5	**1,700**	<100	<100	<100	<100	<100	<100
B55-Vapor (dup.)	02-26-2015	5	**1,700**	<100	<100	<100	<100	<100	<100

TABLE 1

ANALYTICAL RESULTS OF SOIL-VAPOR SAMPLES
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California
(micrograms per cubic meter)

Sample ID	Date	Depth (feet bsg)	EPA Method 8260B						
			PCE	TCE	1,1-DCE	Trans 1,2-DCE	Cis 1,2-DCE	VC	Chloroform
B56-Vapor	02-27-2015	5	**36,000**	<100	<100	<100	<100	<100	<100
B58-Vapor	02-27-2015	5	**68,000**	<100	<100	<100	<100	<100	<100
B58-Vapor (dup.)	02-27-2015	5	**70,000**	<100	<100	<100	<100	<100	<100
B59-Vapor	02-27-2015	5	**18,000**	<100	**140**	<100	<100	<100	<100
B60-Vapor	03-10-2015	5	<100	<100	<100	<100	<100	<100	<100
B61-Vapor	03-10-2015	5	**210**	<100	<100	<100	<100	<100	<100
B62-Vapor	03-10-2015	5	<100	<100	<100	<100	<100	<100	<100
B63-Vapor	03-10-2015	5	<100	<100	<100	<100	<100	<100	<100
B63-Vapor (dup.)	03-10-2015	5	<100	<100	<100	<100	<100	<100	<100
CHHSLs (Residential)			180	528	-	31,900	15,900	13.3	-
SFBRWCB ESL Shallow Soil Gas (Commercial)			2,100	3,000	100,000	260,000	-	16	230
SFBRWCB ESL Shallow Soil Gas (Residential)			210	300	880,000	31,000	-	160	2,300

Notes:
SFBRWCB ESL: San Francisco Bay Regional Water Quality Control Board Environmental Screening Level for shallow soil gas
<: Indicates constituents were not detected at a concentration greater than the reporting limit shown.
CHHSLs: California Human Health Screening Levels
PCE: Tetrachloroethene
TCE: Trichloroethene
1,1-DCE: 1,1-Dichloroethene
Trans 1,2-DCE: Trans 1,2-Dichloroethene
Cis 1,2-DCE: Cis 1,2-Dichloroethene
VC: Vinyl Chloride
bsg: below surface grade
* : notation for detection above the liner range of calibration

TABLE 2

ANALYTICAL RESULTS OF SOIL SAMPLES
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California
(mg/kg)

Sample ID	Depth (feet bsg)	Date	EPA SW 846/8260B					
			Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene (1,1-DCE)	Trans 1,2-Dichloroethene (Trans 1,2-DCE)	Cis 1,2-Dichloroethene (Cis 1,2-DCE)	Vinyl Chloride (VC)
B-1@3'	3	08-19-1998	<0.005	<0.005	<0.005	-	-	<0.005
B-1@5'	5	08-19-1998	<0.005	<0.005	<0.005	-	-	<0.005
B-2@3'	3	08-19-1998	<0.005	<0.005	<0.005	-	-	<0.005
B-2@5'	5	08-19-1998	<0.005	<0.005	<0.005	-	-	<0.005
B-3@3'	3	08-19-1998	<0.005	<0.005	<0.005	-	-	<0.005
B-3@5'	5	08-19-1998	<0.005	<0.005	<0.005	-	-	<0.005
B-4	1.75	04-06-2005	**0.0057**	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098
B-5	1.83	04-06-2005	**0.0074**	<0.0047	<0.0047	<0.0047	<0.0047	<0.0094
B-6	1.67	04-06-2005	**0.022**	<0.0046	<0.0046	<0.0046	<0.0046	<0.0093
B-7	2	07-08-2008	<0.005	<0.0047	<0.0047	<0.0047	<0.0047	<0.0094
B-8	2	07-08-2008	**0.060**	<0.0047	<0.0047	<0.0047	<0.0047	<0.0094
B9-5	5	05-07-2013	**0.028**	<0.005	<0.005	<0.005	<0.005	<0.005
B9-10	10	05-07-2013	**0.012**	<0.005	<0.005	<0.005	<0.005	<0.005
B9-15	15	05-07-2013	**0.022**	<0.005	<0.005	<0.005	<0.005	<0.005
B10-5	5	05-07-2013	**0.010**	<0.005	<0.005	<0.005	<0.005	<0.005
B10-10	10	05-07-2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B10-15	15	05-07-2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B11-5	5	10-22-2013	**0.009**	<0.005	<0.005	<0.005	<0.005	<0.005
B11-10	10	10-22-2013	**0.011**	<0.005	<0.005	<0.005	<0.005	<0.005
B11-15	15	10-22-2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B12-5	5	10-22-2013	**0.005**	<0.005	<0.005	<0.005	<0.005	<0.005
B12-10	10	10-22-2013	**0.011**	<0.005	<0.005	<0.005	<0.005	<0.005
B12-15	15	10-22-2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B13-5	5	10-22-2013	**0.008**	<0.005	<0.005	<0.005	<0.005	<0.005
B13-10	10	10-22-2013	**0.006**	<0.005	<0.005	<0.005	<0.005	<0.005
B13-15	15	10-22-2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B14-5	5	10-22-2013	**0.015**	<0.005	<0.005	<0.005	<0.005	<0.005
B14-10	10	10-22-2013	**0.008**	<0.005	<0.005	<0.005	<0.005	<0.005
B14-15	15	10-22-2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 2

ANALYTICAL RESULTS OF SOIL SAMPLES
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California
(mg/kg)

Sample ID	Depth (feet bsg)	Date	EPA SW 846/8260B					
			Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene (1,1-DCE)	Trans 1,2-Dichloroethene (Trans 1,2-DCE)	Cis 1,2-Dichloroethene (Cis 1,2-DCE)	Vinyl Chloride (VC)
B15-5	5	10-22-2013	**0.030**	<0.005	<0.005	<0.005	<0.005	<0.005
B15-10	10	10-22-2013	**0.018**	<0.005	<0.005	<0.005	<0.005	<0.005
B15-15	15	10-22-2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B16-5	5	10-23-2013	**0.020**	<0.005	<0.005	<0.005	<0.005	<0.005
B16-10	10	10-23-2013	**0.010**	<0.005	<0.005	<0.005	<0.005	<0.005
B16-15	15	10-23-2013	**0.006**	<0.005	<0.005	<0.005	<0.005	<0.005
B17-5	5	10-23-2013	**0.018**	<0.005	<0.005	<0.005	<0.005	<0.005
B17-10	10	10-23-2013	**0.010**	<0.005	<0.005	<0.005	<0.005	<0.005
B17-15	15	10-23-2013	**0.011**	<0.005	<0.005	<0.005	<0.005	<0.005
B18-5	5	10-23-2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B18-10	10	10-23-2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B19-5	5	10-23-2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B19-10	10	10-23-2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B20-5	5	10-23-2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B20-10	10	10-23-2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B21-5	5	10-24-2013	**0.010**	<0.005	<0.005	<0.005	<0.005	<0.005
B21-10	10	10-24-2013	**0.009**	<0.005	<0.005	<0.005	<0.005	<0.005
B23-0.5-1.0	0.5-1.0	04-28-2014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B23-1.5-2.0	1.5-2.0	04-28-2014	**0.026**	<0.005	<0.005	<0.005	<0.005	<0.005
B23-2.5-3.0	2.5-3.0	04-28-2014	**0.12**	<0.005	<0.005	<0.005	<0.005	<0.005
B23-3.5-4.0	3.5-4.0	04-28-2014	**0.040**	<0.005	<0.005	<0.005	<0.005	<0.005
B23-4.5-5.0	4.5-5.0	04-28-2014	**0.030**	<0.005	<0.005	<0.005	<0.005	<0.005
B24-0.5-1.0	0.5-1.0	04-28-2014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B24-1.5-2.0	1.5-2.0	04-28-2004	**0.032**	<0.005	<0.005	<0.005	<0.005	<0.005
B24-4.5-5.0	4.5-50	04-28-2014	**0.017**	<0.005	<0.005	<0.005	<0.005	<0.005
B25-0.5-1.0	0.5-1.0	04-28-2014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B25-1.5-2.0	1.5-2.0	04-28-2014	**0.048**	<0.005	<0.005	<0.005	<0.005	<0.005
B25-2.5-3.0	2.5-3.0	04-28-2014	**0.061**	<0.005	<0.005	<0.005	<0.005	<0.005
B25-4.5-5.0	4.5-5.0	04-28-2014	**0.023**	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 2

ANALYTICAL RESULTS OF SOIL SAMPLES
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California
(mg/kg)

Sample ID	Depth (feet bsg)	Date	EPA SW 846/8260B					
			Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene (1,1-DCE)	Trans 1,2-Dichloroethene (Trans 1,2-DCE)	Cis 1,2-Dichloroethene (Cis 1,2-DCE)	Vinyl Chloride (VC)
B26-0.5-1.0	0.5-1.0	04-28-2014	**0.0056**	<0.005	<0.005	<0.005	<0.005	<0.005
B26-1.5-2.0	1.5-2.0	04-29-2014	**0.0063**	<0.005	<0.005	<0.005	<0.005	<0.005
B26-3.0-3.5	3.0-3.5	04-29-2014	**0.043**	<0.005	<0.005	<0.005	<0.005	<0.005
B26-4.5-5.0	4.5-5.0	04-29-2014	**0.018**	<0.005	<0.005	<0.005	<0.005	<0.005
B27-0.5-1.0	0.5-1.0	04-29-2014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B27-1.5-2.0	1.5-3.0	04-29-2014	**0.010**	<0.005	<0.005	<0.005	<0.005	<0.005
B27-2.5-3.0	2.5-3.0	04-29-2014	**0.045**	<0.005	<0.005	<0.005	<0.005	<0.005
B27-4.5-5.0	4.5-5.0	04-29-2014	**0.043**	<0.005	<0.005	<0.005	<0.005	<0.005
B28-0.5-1.0	1.5-3.0	04-29-2014	**0.0053**	<0.005	<0.005	<0.005	<0.005	<0.005
B28-2.5-3.0	2.5-3.0	04-29-2014	**0.037**	<0.005	<0.005	<0.005	<0.005	<0.005
B28-4.5-5.0	4.5-5.0	04-29-2014	**0.021**	<0.005	<0.005	<0.005	<0.005	<0.005
B29-1.5-2.0	1.5-3.0	04-29-2014	**0.015**	<0.005	<0.005	<0.005	<0.005	<0.005
B29-2.5-3.0	2.5-3.0	04-29-2014	**0.033**	<0.005	<0.005	<0.005	<0.005	<0.005
B29-4.5-5.0	4.5-5.0	04-29-2014	**0.019**	<0.005	<0.005	<0.005	<0.005	<0.005
B30-1.5-2.0	1.5-3.0	04-30-2014	**0.019**	<0.005	<0.005	<0.005	<0.005	<0.005
B30-2.5-3.0	2.5-3.0	04-30-2014	**0.024**	<0.005	<0.005	<0.005	<0.005	<0.005
B30-4.5-5.0	4.5-5.0	04-30-2014	**0.051**	<0.005	<0.005	<0.005	<0.005	<0.005
B31-1.5-2.0	1.5-2.0	04-30-2014	**0.018**	<0.005	<0.005	<0.005	<0.005	<0.005
B31-2.5-3.0	2.5-3.0	04-30-2014	**0.025**	<0.005	<0.005	<0.005	<0.005	<0.005
B32-1.5-2.0	1.5-3.0	04-30-2014	**0.0069**	<0.005	<0.005	<0.005	<0.005	<0.005
B32-2.5-3.0	2.5-3.0	04-30-2014	**0.011**	<0.005	<0.005	<0.005	<0.005	<0.005
B32-4.5-5.0	4.5-5.0	04-30-2014	**0.018**	<0.005	<0.005	<0.005	<0.005	<0.005
B33-1.5-2.0	1.5-3.0	04-30-2014	**0.012**	<0.005	<0.005	<0.005	<0.005	<0.005
B33-2.5-3.0	2.5-3.0	04-30-2014	**0.037**	<0.005	<0.005	<0.005	<0.005	<0.005
B33-4.5-5.0	4.5-5.0	04-30-2014	**0.029**	<0.005	<0.005	<0.005	<0.005	<0.005
B34-1.5-2.0	1.5-3.0	05-01-2014	**0.028**	<0.005	<0.005	<0.005	<0.005	<0.005
B34-2.5-3.0	2.5-3.0	05-01-2014	**0.020**	<0.005	<0.005	<0.005	<0.005	<0.005
B34-4.5-5.0	4.5-5.0	05-01-2014	**0.016**	<0.005	<0.005	<0.005	<0.005	<0.005
B35-1.5-2.0	1.5-3.0	05-01-2014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 2

ANALYTICAL RESULTS OF SOIL SAMPLES
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California
(mg/kg)

Sample ID	Depth (feet bsg)	Date	EPA SW 846/8260B					
			Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene (1,1-DCE)	Trans 1,2-Dichloroethene (Trans 1,2-DCE)	Cis 1,2-Dichloroethene (Cis 1,2-DCE)	Vinyl Chloride (VC)
B35-2.5-3.0	2.5-3.0	05-01-2014	**0.092**	<0.005	<0.005	<0.005	<0.005	<0.005
B35-4.5-5.0	4.5-5.0	05-01-2014	**0.058**	<0.005	<0.005	<0.005	<0.005	<0.005
B36-1.5-2.0	1.5-3.0	05-01-2014	**0.11**	<0.005	<0.005	<0.005	<0.005	<0.005
B36-2.5-3.0	2.5-3.0	05-01-2014	**0.015**	<0.005	<0.005	<0.005	<0.005	<0.005
B36-4.5-5.0	4.5-5.0	05-01-2014	**0.012**	<0.005	<0.005	<0.005	<0.005	<0.005
B37-1.5-2.0	1.5-3.0	05-01-2014	**0.018**	<0.005	<0.005	<0.005	<0.005	<0.005
B37-2.5-3.0	2.5-3.0	05-01-2014	**0.038**	<0.005	<0.005	<0.005	<0.005	<0.005
B37-4.5-5.0	4.5-5.0	05-01-2014	**0.016**	<0.005	<0.005	<0.005	<0.005	<0.005
B38-1.0-1.5	1.0-1.5	05-02-2014	**0.023**	<0.005	<0.005	<0.005	<0.005	<0.005
B38-1.5-2.0	1.5-2.0	05-02-2014	**0.023**	<0.005	<0.005	<0.005	<0.005	<0.005
B38-2.5-3.0	2.5-3.0	05-02-2014	**0.014**	<0.005	<0.005	<0.005	<0.005	<0.005
B38-4.5-5.0	4.5-5.0	05-02-2014	**0.0061**	<0.005	<0.005	<0.005	<0.005	<0.005
B39-1.5-2.0	1.5-3.0	05-02-2014	**0.016**	<0.005	<0.005	<0.005	<0.005	<0.005
B39-2.5-3.0	2.5-3.0	05-02-2014	**0.021**	<0.005	<0.005	<0.005	<0.005	<0.005
B39-4.5-5.0	4.5-5.0	05-02-2014	**0.034**	<0.005	<0.005	<0.005	<0.005	<0.005
B40-1.5-2.0	1.5-3.0	05-02-2014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B40-2.5-3.0	2.5-3.0	05-02-2014	**0.010**	<0.005	<0.005	<0.005	<0.005	<0.005
B40-4.5-5.0	4.5-5.0	05-02-2014	**0.029**	<0.005	<0.005	<0.005	<0.005	<0.005
B41-1.5-2.0	1.5-2.0	05-05-2014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B41-4.5-5.0	4.5-5.0	05-05-2014	**0.0076**	<0.005	<0.005	<0.005	<0.005	<0.005
B42-1.5-2.0	1.5-3.0	05-05-2014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B42-2.5-3.0	2.5-3.0	05-05-2014	**0.010**	<0.005	<0.005	<0.005	<0.005	<0.005
B42-4.5-5.0	4.5-5.0	05-05-2014	**0.022**	<0.005	<0.005	<0.005	<0.005	<0.005
B43-1.5-2.0	1.5-2.0	05-06-2014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B43-2.5-3.0	2.5-3.0	05-06-2014	**0.022**	<0.005	<0.005	<0.005	<0.005	<0.005
B43-4.5-5.0	4.5-5.0	05-06-2014	**0.015**	<0.005	<0.005	<0.005	<0.005	<0.005
B44-1.5-2.0	1.5-3.0	05-07-2014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B44-2.5-3.0	2.5-3.0	05-07-2014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B44-4.5-5.0	4.5-5.0	05-07-2014	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 2

ANALYTICAL RESULTS OF SOIL SAMPLES
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California
(mg/kg)

Sample ID	Depth (feet bsg)	Date	EPA SW 846/8260B					
			Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene (1,1-DCE)	Trans 1,2-Dichloroethene (Trans 1,2-DCE)	Cis 1,2-Dichloroethene (Cis 1,2-DCE)	Vinyl Chloride (VC)
B45-1.5-2.0	1.5-3.0	05-07-2014	**0.0052**	<0.005	<0.005	<0.005	<0.005	<0.005
B45-2.5-3.0	2.5-3.0	05-07-2014	**0.0052**	<0.005	<0.005	<0.005	<0.005	<0.005
B45-4.5-5.0	4.5-5.0	05-07-2014	**0.0068**	<0.005	<0.005	<0.005	<0.005	<0.005
B46-1.5-2.0	1.5-2.0	02-09-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B46-2.5-3.0	2.5-3.0	02-09-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B47-1.5-2.0	1.5-2.0	02-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B47-2.5-3.0	2.5-3.0	02-10-2015	**0.0060**	<0.005	<0.005	<0.005	<0.005	<0.005
B48-1.5-2.0	1.5-2.0	02-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B48-2.5-3.0	2.5-3.0	02-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B49-1.5-2.0	1.5-2.0	02-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B49-2.5-3.0	2.5-3.0	02-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B50-1.5-2.0	1.5-2.0	02-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B50-2.5-3.0	2.5-3.0	02-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B51-4.5-5.0	4.5-5.0	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B51-9.5-10	9.5-10	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B52-4.5-5.0	4.5-5.0	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B52-9.5-10	9.5-10	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B53-4.5-5.0	4.5-5.0	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B53-6.5-7.0	6.5-7.0	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B53-9.5-10	9.5-10	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B54-0.5-1.0	0.5-1.0	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B54-1.5-2.0	1.5-2.0	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B54-3.5-4.0	3.5-4.0	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B54-4.5-5.0	4.5-5.0	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B54-9.5-10	9.5-10	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B55-0.5-1.0	0.5-1.0	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B55-2.5-3.0	2.5-3.0	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B55-4.5-5.0	4.5-5.0	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B55-9.5-10	9.5-10	02-26-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 2

ANALYTICAL RESULTS OF SOIL SAMPLES
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California
(mg/kg)

Sample ID	Depth (feet bsg)	Date	EPA SW 846/8260B					
			Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene (1,1-DCE)	Trans 1,2-Dichloroethene (Trans 1,2-DCE)	Cis 1,2-Dichloroethene (Cis 1,2-DCE)	Vinyl Chloride (VC)
B56-4.5-5.0	4.5-5.0	02-27-2015	**0.040**	<0.005	<0.005	<0.005	<0.005	<0.005
B56-6.5-7.0	6.5-7.0	02-27-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B56-8.5-9.0	8.5-9.0	02-27-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B56-9.5-10	9.5-10	02-27-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B57-0.5-1.0	0.5-1.0	02-27-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B57-4.5-5.0	4.5-5.0	02-27-2015	**0.014**	<0.005	<0.005	<0.005	<0.005	<0.005
B58-4.5-5.0	4.5-5.0	02-27-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B58-6.5-7.0	6.5-7.0	02-27-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B58-9.5-10	9.5-10	02-27-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B59-1.5-2.0	1.5-2.0	02-27-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B59-4.5-5.0	4.5-5.0	02-27-2015	**0.050**	<0.005	<0.005	<0.005	<0.005	<0.005
B59-9.5-10	9.5-10	02-27-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B60-4.5-5.0	4.5-5.0	03-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B60-9.5-10	9.5-10	03-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B61-1.5-2.0	1.5-2.0	03-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B61-4.5-5.0	4.5-5.0	03-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B61-9.5-10	9.5-10	03-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B62-2.5-3.0	2.5-3.0	03-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B62-4.5-5.0	4.5-5.0	03-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

TABLE 2

ANALYTICAL RESULTS OF SOIL SAMPLES
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California
(mg/kg)

Sample ID	Depth (feet bsg)	Date	EPA SW 846/8260B					
			Tetrachloroethene (PCE)	Trichloroethene (TCE)	1,1-Dichloroethene (1,1-DCE)	Trans 1,2-Dichloroethene (Trans 1,2-DCE)	Cis 1,2-Dichloroethene (Cis 1,2-DCE)	Vinyl Chloride (VC)
B62-9.5-10	9.5-10	03-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B63-1.5-2.0	1.5-2.0	03-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B63-4.5-5.0	4.5-5.0	03-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
B63-9.5-10	9.5-10	03-10-2015	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:

mg/kg: milligrams per kilogram

bsg: below surface grade

<: Indicates constituents were not detected at a concentration greater than the reporting limit shown.

TABLE 3

INDOOR AIR ANALYTICAL RESULTS
SWISS VALLEY CLEANERS
1395 MacArthur Boulevard,
San Leandro, California
(micrograms per cubic meter)

Sample ID	Date	TO-15															
		PCE	TCE	1,2-DCA	EDB	Naphthalene	1,4-DCB	Acetone	CT	B	T	E	X	Chloromethane	DCDFM	Ethyl Acetate	TCFM	Chloroform
IA-1395 MacArthur	04-10-2014	**12**	**0.038**	**0.085**	<0.0078	**0.34**	**0.099**	**46**	**0.41**	**0.52**	**1.4**	<0.44	**1.2**	**0.60**	**2.0**	**2.7**	**1.4**	**0.19**
	05-08-2014	**14**	**0.11**	**0.19**	<0.0078	**0.17**	**0.063**	**75**	**0.44**	**0.27**	**0.74**	<0.44	<1.3	**0.67**	**2.0**	**8.8**	**1.1**	**0.22**
	03-23-2015	**16**	**0.029**	**0.095**	<0.0078	**0.17**	**0.074**	**110**	**0.46**	**0.50**	**2.3**	<0.44	<1.3	**0.62**	**2.4**	**14**	**1.3**	**0.33**
IA-1383 MacArthur	04-10-2014	**11**	**0.057**	**0.43**	**0.011**	**0.26**	**0.096**	**3,600**	**0.38**	**0.65**	**11**	**0.49**	**2.0**	<0.21	<0.50	**260**	<0.57	**0.51**
	05-08-2014	**17**	**0.055**	**1.1**	<0.0078	**0.36**	**0.12**	**5,200**	**0.45**	**0.69**	**21**	**<0.44**	**1.5**	<0.21	<0.50	**1600**	<0.57	**0.49**
	03-23-2015	**19**	**0.064**	**0.37**	<0.0078	**0.41**	**0.33**	**8,600**	**0.56**	**0.64**	**15**	**0.53**	**2.0**	<0.21	**0.89**	**580**	**0.84**	**5.3**
IA-1377 MacArthur	04-10-2014	**2.1**	**0.027**	**0.76**	<0.0078	**0.22**	**0.10**	**110**	**0.39**	**0.54**	**2.8**	**0.69**	**3.0**	**0.54**	**1.8**	**7.4**	**0.78**	**0.18**
	05-08-2014	**5.1**	**0.033**	**1.1**	<0.0078	**0.38**	**0.37**	**38**	**0.45**	**0.37**	**6.9**	**1.1**	**4.4**	**0.67**	**2.1**	**4.9**	**1.0**	**0.20**

TABLE 3

INDOOR AIR ANALYTICAL RESULTS
SWISS VALLEY CLEANERS
1395 MacArthur Boulevard,
San Leandro, California
(micrograms per cubic meter)

Sample ID	Date	TO-15															
		PCE	TCE	1,2-DCA	EDB	Naphthalene	1,4-DCB	Acetone	CT	B	T	E	X	Chloromethane	DCDFM	Ethyl Acetate	TCFM	Chloroform
IA-1369 MacArthur	05-08-2014	**0.045**	**0.020**	**2.2**	<0.0078	**0.26**	**0.17**	**18**	**0.47**	**0.60**	**2.1**	<0.44	<1.3	**0.68**	**2.0**	**2.2**	**1.3**	**0.25**
Outside 1395 MacArthur	05-08-2014	**0.042**	**0.014**	**0.067**	<0.0078	**0.12**	**0.023**	**13**	**0.47**	**0.20**	**0.41**	<0.44	<1.3	**0.64**	**2.0**	**2.1**	**1.1**	**0.24**
SFBRWCB ESL (Commercial)		2.1	3.0	0.58	0.17	0.36	1.1	140,000	0.29	0.42	1,300	4.9	440	390	-	-	-	2.3

Notes:

SFBRWCB ESL: San Francisco Bay Regional Water Quality Control Board Environmental Screening Level for indoor Air.
<: Indicates constituents were not detected at a concentration greater than the reporting limit shown.
PCE: Tetrachloroethene
TCE: Trichloroethene
1,2-DCA: 1,2-Dichloroethane
EDB: 1,2-Dibromoethane
1,4-DCB: 1,4-dichlorobenzene
VC: Vinyl Chloride
CT: Carbon Tetrachloride
DCDFM: Dichlorodifluoromethane
TCFM: Trichlorofluoromethane
IPA: Isopropyl Alcohol
B: Benzene; T: Toluene; E: Ethyl-benzene; X: Total Xylenes
*Concentrations denoted with orange fill are above ambiant and indoor air screening levels for a commercial setting.

TABLE 4

SUB-SLAB VAPOR ANALYTICAL RESULTS
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California
(micrograms per cubic meter)

Sample ID	Location	Date	TO-15																			
			Dry Cleaning Constituents						Chemicals from other sources													
			PCE	TCE	1,1-DCE	Trans 1,2-DCE	Cis 1,2-DCE	VC	IPA	1,2-DCA	B	T	E	X	1,2-DCP	Ethanol	4-ET	1,2,4-TMB	Ethyl Acetate	Naphthalene	1,3,5-TMB	Acetone	2-Butanone
SS-1	1369 MacArthur Boulvard	03-23-2015	**5,700**	**3.3**	<2.0	<2.0	<2.0	<1.3	<50	<2.0	**42**	**58**	**39**	**190**	<2.4	<96	**53**	**98**	<1.8	<5.3	**64**	<60	<75
SS-2	1383 MacArthur Boulevard	03-23-2015	**5,400**	<2.8	<2.0	<2.0	<2.0	<1.3	<50	<2.0	**8.6**	**2.2**	<2.2	<6.6	<2.4	<96	<2.5	**9.8**	**4.7**	<5.3	**2.7**	<60	<75
SS-3	1395 MacArthur Boulevard (Front of Suite)	03-23-2015	**8,300**	**19**	<2.0	<2.0	<2.0	<1.3	<50	<2.0	**13**	**5.1**	**3.9**	**24**	<2.4	<96	**6.2**	**29**	<1.8	<5.3	**6.8**	<60	<75
SS-4	1395 MacArthur Boulevard (Rear of Suite)	03-23-2015	**7,600**	**5.6**	<2.0	<2.0	<2.0	<1.3	<50	**2.2**	**17**	**14**	**9.4**	**44**	<2.4	<96	**9.6**	**29**	<1.8	<5.3	**5.7**	<60	<75
CHHSLs (Commercial)			1,600	1,300	-	240,000	120,000	95.0	-	360	280	890,000	3,600	6,700,000	-	-	-	-	-	310	-	-	-
SFBRWCB ESL (Commercial)			2,100	3,000	880,000	2,600,000	-	160	-	580	420	1,300,000	4,900	440,000	1,200	-	-	-	-	360	-	140,000,000	22,000,000

Notes:

SFBRWCB ESL: San Francisco Bay Regional Water Quality Control Board Environmental Screening Level for shallow soil gas
<: Indicates constituents were not detected at a concentration greater than the reporting limit shown.
CHHSLs: California Human Health Screening Levels (Soil Gas Screening for VOC's below bulidings constructed with engineere fill below sub-slab gravel)
PCE: Tetrachloroethene
TCE: Trichloroethene
1,1-DCE: 1,1-Dichloroethene
Trans 1,2-DCE: Trans 1,2-Dichloroethene
Cis 1,2-DCE: Cis 1,2-Dichloroethene
VC: Vinyl Chloride
IPA: Isopropyl Alcohol
B: Benzene; T: Toluene; E: Ethyl-benzene; X: Total Xylenes
1,2-DCA: 1,2-Dichloroethane
1,2-DCP: 1,2-Dichloropropane
4-ET: 4-Ethyltoluene
1,2,4-TMB: 1,2,4-Trimethylbenzene
1,3,5-TMB: 1,3,5-Trimethylbenzene

APPENDIX A

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
ALEX BRISCOE, Agency Director

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

November 14, 2014

Mr. William Mathews Brooks
4725 Thornton Avenue
Fremont, CA 94536
(Sent via electronic mail to REWMB@aol.com)

Subject: Modified Work Plan Approval; Site Cleanup Program (SCP) Case No. RO0003120 and GeoTracker Global ID T10000005063, Swiss Valley Cleaners, 1395 MacArthur Blvd, Oakland, CA 94577

Dear Mr. Brooks:

Alameda County Environmental Health (ACEH) has reviewed the *Soil Vapor Extraction Pilot Test Report & Interim Remedial Action Work Plan,* dated October 10, 2014 and the *Site Assessment & Sub-Slab Well Installation Work Plan,* dated November 12, 2014, prepared and submitted on your behalf by Advanced GeoEnvironmental, Inc, (AGE). Thank you for submitting the reports.

The referenced pilot test reported on the installation and construction of four seven foot deep vapor extraction wells, the results of an 8-hour pilot test on vapor well VW-1, and estimated the well radius-of-influence to be approximately 17.25 feet. As a result of these activities and findings, four additional vapor wells were proposed for the subject dry cleaner suite. The referenced interim remediation work plan proposed the installation of a remedial system and connection of the seven vapor wells to the system.

The site assessment and sub-slab vapor well installation work plan proposes the installation of 18 soil bores to a total depth of 10 feet below grade surface (bgs). Five bores are proposed on a downgradient offsite property, three to four are proposed in lateral or upgradient locations, and the remaining bores are proposed to be installed along the estimated location of the onsite sanitary sewer lateral that services and interconnects each commercial suite at the building. Both soil and soil vapor are proposed to be collected in each bore location.

Based on ACEH staff review of the work plan, the proposed scope of work is conditionally approved for implementation provided that the technical comments below are incorporated during the proposed work. Submittal of a revised work plan or a work plan addendum is not required unless an alternate scope of work outside that described in the work plan or these technical comments is proposed. We request that you address the following technical comments, perform the proposed work, and send us the report described below. Please provide 72-hour advance written notification to this office (e-mail preferred to: mark.detterman@acgov.org) prior to the start of field activities.

TECHNICAL COMMENTS

1. **Site Assessment Work Plan Modifications –** The referenced site assessment work plan proposes a series of actions with which ACEH is in general agreement of undertaking; however, ACEH requests several modifications to the approach. Please submit the results of the investigation in a soil and soil vapor investigation report by the date identified below.

    a. **Installation of Vapor Probes in Adjacent Suites –** In order to verify the extent of soil vapor concentrations in adjacent commercial suites at the site, ACEH requests the installation of one additional five foot deep vapor probes in the three adjacent commercial suites at the site, in conjunction with the installation of the sub-slab vapor wells and the proposed soil bores in the two adjacent suites. The vapor points are requested to be installed using the same protocols the vapor

probes onsite were installed with. The locations are expected to help determine the extent remedial efforts may be required at the site. Similar to sub-slab vapor wells (see Comment e below), the installation and sampling of these vapor probes is requested to occur prior to remedial actions in order to scope a system. Therefore ACEH requests the submittal of a work plan addendum (revised figure 3) with proposed locations of the vapor probes in the adjacent suites, by the date requested below.

b. Soil Vapor Sample Depth – The referenced work plan does not mention a depth interval for the collection of soil vapor in the proposed soil bores. In order to remain consistent with past sampling practices at the site ACEH requests that soil vapor samples be collected at a depth of 5 feet prior to extending the bore depth to the proposed depth of 10 feet bgs.

c. Soil Sample Selection - The work plan proposes the collection of soil samples for analytical analysis at the depths of 5 and 10 feet bgs. Rather than the collection of soil samples at static depth intervals, ACEH requests that these soil samples be collected at signs of contamination (staining, odors, PID responses, etc.) at significant changes in lithology, and at the bottom of the bore. Please ensure that the fill soil around the sewer lateral is sampled as elevated tetrachlorethene (PCE) concentrations may be concentrated adjacent or below to the lateral.

d. Additional Sub-Slab Vapor Well – The installation of four sub-slab vapor wells as proposed appears appropriate; however, ACEH requests the installation of an additional sub-slab well near elevated PCE soil contamination in the vicinity of soil bore B25, as the location would allow repeated sampling of sub-slab vapor concentrations in the vicinity of a hot spot in soil and soil vapor.

e. Sub-Slab Vapor Sampling – To reiterate previous communications, ACEH requests that the initial sub-slab vapor sampling occur prior to implementation of the remedial actions in order to obtain initial sub-slab vapor concentrations prior to significant remedial efforts have been undertaken.

2. Draft Corrective Action Plan – Because the lateral extent of the vapor cloud has not been defined within adjacent commercial suites at the site, it is not appropriate to approve the proposed Interim Remedial Action Plan. As described in the July 18, 2014 directive letter, a Draft Corrective Action Plan (Draft CAP) is required to evaluate feasible alternatives for the site, to incorporate the results of the proposed pilot test, and to recommend final alternatives in accordance with DTSC guidelines.

Consequently, ACEH requests that you prepare a Draft CAP that includes the following minimum information:

- Proposed cleanup goals and the basis for cleanup goals.
- Summary of site characterization data.
- Receptor information including likely future land use scenarios, adjacent land use and sensitive receptors, and potential groundwater receptors.
- Evaluation of a minimum of three active remedial alternatives including discussion of feasibility, cost effectiveness, estimated time to reach cleanup goals, and limitations for each remedial alternative.
- Detailed description of proposed remediation including confirmation sampling and monitoring during implementation.
- Post-remediation monitoring.
- Schedule for implementation of cleanup.

Public participation is a requirement for the Corrective Action Plan process. Therefore, we request that you submit a Draft CAP for ACEH review by the date identified below. Upon ACEH approval of a Draft CAP, ACEH will notify potentially affected members of the public who live or own property in the surrounding area of the proposed remediation described in the Draft CAP. Public comments on the proposed remediation will be accepted for a 30-day period.

3. Public Notification of Tenants – ACEH has reviewed the draft *Swiss Valley Cleaners Investigation Update*, and drat *Fact Sheet on Environmental Assessment* that will be used during a meeting to update tenants of the shopping center on the progress of the case, and to address the potential for chemical

exposure and health risks from the PCE release. ACEH has slightly modified the documents and will transmit them under separate cover; however, it is appropriate now to schedule and hold meetings with the tenants. Please notify ACEH by the date identified below of proposed meeting dates.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACEH ftp site (Attention: Mark Detterman), and to the State Water Resources Control Board's Geotracker website, in accordance with Attachment 1 and the specified file naming convention below, according to the following schedule:

- **December 5, 2014 –** Work Plan Addendum (Revised Figure 3 with technical justification for locations)
  File to be named: RO3120_WP_ADEND_R_yyyy-mm-dd

- **December 5, 2014 –** Proposed Meeting Dates (email preferred)

- **January 30, 2015 –** Site Assessment Report
  File to be named: RO3120_SWI_R_yyyy-mm-dd

- **January 30, 2015 –** Draft Corrective Action Plan (can be combined with report above)
  File to be named: RO3120_RAP_R_yyyy-mm-dd

Online case files are available for review at the following website: http://www.acgov.org/aceh/index.htm. If your email address does not appear on the cover page of this notification, ACEH is requesting you provide your email address so that we can correspond with you quickly and efficiently regarding your case.

Should you have any questions, please contact me at (510) 567--6876 or send me an electronic mail message at mark.detterman@acgov.org.

Sincerely,

Mark E. Detterman, P.G., C.E.G.
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations
Electronic Report Upload (ftp) Instructions

cc: Daniel Villanueva, Advanced GeoEnvironmental, Inc, 837 Shaw Road, Stockton, CA 95215
(sent via electronic mail to DVillanueva@advgeoenv.com)

William Little, Advanced GeoEnvironmental, Inc, 837 Shaw Road, Stockton, CA 95215
(sent via electronic mail to WLittle@advgeoenv.com)

Dilan Roe (sent via electronic mail to dilan.roe@acgov.org)
Mark Detterman, ACEH, (sent via electronic mail to mark.detterman@acgov.org)
Geotracker, Electronic File

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

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

ELECTRONIC SUBMITTAL OF REPORTS

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

PERJURY STATEMENT

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

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

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

UNDERGROUND STORAGE TANK CLEANUP FUND

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

AGENCY OVERSIGHT

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

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

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

REQUIREMENTS

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

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

Submission Instructions

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

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

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

APPENDIX B

Alameda County Public Works Agency - Water Resources Well Permit

Public Works Agency
Alameda County

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

Application Approved on: 01/29/2015 By jamesy

Permit Numbers: W2015-0078
Permits Valid from 02/26/2015 to 03/03/2015

Application Id:	1422549365591	**City of Project Site:** San Leandro
Site Location:	993 Estudillo Avenue	
Project Start Date:	02/26/2015	**Completion Date:** 03/03/2015
Assigned Inspector:	Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org	
Applicant:	Advanced GeoEnvironmental Inc. - Daniel Villanueva 837 Shaw Road, Stockton, CA 95215	**Phone:** 209-467-1006
Property Owner:	Donna Nunes 993 Estudillo Avenue, San Leandro, CA 94577	**Phone:** --
Client:	William Brooks 4725 Thornton Avenue, Fremont, CA 94536	**Phone:** --
Contact:	Daniel Villanueva	**Phone:** 209-467-1006 **Cell:** 209-601-3541

	Total Due:	$265.00
Receipt Number: WR2015-0041	**Total Amount Paid:**	$265.00
Payer Name : Robert Marty	Paid By: VISA	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 5 Boreholes
Driller: Advanced GeoEnvironmental Inc. - Lic #: 680227 - Method: DP

Work Total: $265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2015-0078	01/29/2015	05/27/2015	5	1.25 in.	10.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

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. Applicant shall contact assigned inspector listed on the top of the permit 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.

5. 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.

6. 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.

7. NOTE:
Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

8. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a 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.

9. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

Alameda County Public Works Agency - Water Resources Well Permit

Public Works Agency
Alameda County

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

Application Approved on: 01/29/2015 By jamesy

Permit Numbers: W2015-0077
Permits Valid from 02/26/2015 to 03/03/2015

Application Id:	1422548679466	**City of Project Site:** San Leandro
Site Location:	1395 MacArthur Boulevard	
Project Start Date:	02/26/2015	**Completion Date:** 03/03/2015
Assigned Inspector:	Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org	
Applicant:	Advanced GeoEnvironmental Inc. - Daniel Villanueva 837 Shaw Road, Stockton, CA 95215	**Phone:** 209-467-1006
Property Owner:	William Brooks 4725 Thornton Avenue, Fremont, CA 94536	**Phone:** --
Client:	** same as Property Owner **	
Contact:	Daniel Villanueva	**Phone:** 209-467-1006 **Cell:** 209-601-3541

	Total Due:	$265.00
Receipt Number: WR2015-0040	**Total Amount Paid:**	$265.00
Payer Name : Robert Marty	Paid By: VISA	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 16 Boreholes
Driller: Advanced GeoEnvironmental Inc. - Lic #: 680227 - Method: DP **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2015-0077	01/29/2015	05/27/2015	16	1.25 in.	10.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

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. Applicant shall contact assigned inspector listed on the top of the permit 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.

5. 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.

6. 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.

7. NOTE:
Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

8. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a 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.

9. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

Well Construction-Vapor monitoring well-Vapor monitoring well - 0 Wells
Driller: Advanced GeoEnvironmental Inc. - Lic #: 680227 - Method: other **Work Total: ** $0.00**

**** Cancelled Work. Total amount adjusted. ****

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
* Cancelled *			SS-1	1.00 in.	0.25 in.	0.25 ft	1.00 ft
* Cancelled *			SS-2	1.00 in.	0.25 in.	0.25 ft	1.00 ft
* Cancelled *			SS-3	1.00 in.	0.25 in.	0.25 ft	1.00 ft
* Cancelled *			SS-4	1.00 in.	0.25 in.	0.23 ft	1.00 ft

RECEIVED
MAR 09 2015

City of San Leandro
Engineering and Transportation Department
835 East 14th Street
San Leandro, California 94577
(510) 577-3428

ENCROACHMENT PERMIT

Permit Type: Environmental

Permit Number: E15-0007 Job Address: 1305 Macarthur Bl Issued: 03/05/2015

Project Name: Advanced GeoEnvironmental Inc.

Description of Work: Vertical borings (3 locations) for collection of soil and soil-vapor samples in sidewalk of south side of Joaquin Ave and south side of Estudillo Ave., (see maps attached.

Customer # 27004

Planned Start Date: 2/26/2015 Planned Completion Date: 3/30/2015 USA Tag No.: 055042 & 055046

Emergency Contact: Daniel Villanueva Contact Phone Number: 209-601-3541

Applicant:

837 SHAW ROAD
STOCKTON, CA 95215

Owner:

ESC PARTNERS L P
4725 thornton Av
Fremont CA, 94536

Contractor:

ADVANCED GEOENVIRONMENTAL INC
837 SHAW ROAD
STOCKTON, CA 95215

Agent:

DANIEL VILLANUEVA

SAN LEANDRO, CA

Associated Permits:

Building Permit No.

Oro Lomo Permit No.

Cal State Permit No.

Ala County Permit No. W2015-0077

Grading Permit No.

PERMIT FEE 65 To Acct #3306

PLAN CHECKER

RESTOR/INSPECT DEPOSIT 500-

To CN# 27004

STREET CUT FEE To Acct #3306

TOTAL: 565

Utility/Job Number

Method of Repair

Backfill Required

Pavement Section Required **Min Depth of Cover**

Section 1

Section 2

All work shall be per City Standard Provisions. Pedestrian safety and access shall be maintained at all times.

See traffic control plan for additional information

Consent Form Pre Video Post Video

Police and Fire Notification: Police (510) 577-3208 Fire (925) 447-4257

Traffic Control Required

PLEASE CALL (510) 577-3308 FOR INSPECTIONS 24 HOURS PRIOR TO WORK

By the application and acceptance of this permit, the undersigned intending to be legally bound does hereby agree that all work performed will be in accordance with all applicable provisions of this permit and all regulations, provisions, and specifications as adopted by the City. Further, the undersigned agrees that this permit is to serve as a guaranty for payment for all permit and/or inspection charges as billed by the City. Any misrepresentation of information requested from the applicant on this form shall make this permit null and void.

Signature: On File **Print Name:** Daniel Villanueva **Date:** 3/5/15

GENERAL PROVISIONS

(a) All work must be performed in accordance with City of San Leandro Standard Plans, Specifications, and Title V Chapter 1 of the Municipal Code.

(b) Twenty-four hours notice required prior to start and/or requests for inspection. Work hours are limited to between 8am and 4pm. No work is permitted on Saturday, Sunday, City Holidays, or City Furlough days. The City website has a schedule of holidays and furlough days: <http://www.ci.san-leandro.ca.us/holidayschedule.html>

(c) City to be notified next working day (by permit application) of all emergency work performed.

(d) Permittee shall be responsible for all liability imposed by law for personal injury or property damage proximately caused by failure on permittee's part to perform his obligations under said permit with respect to maintenance. If any claim of such liability is made against the City of San Leandro or its officers or employees, permittee shall defend, indemnify and hold each of them harmless from such claim.

(e) No utility contractor or subcontractor shall park their construction equipment, including personal vehicles, entirely or partially in the sidewalk area. Per Section 5610 of the Streets and Highways Code, the permittee shall be responsible for the repair of any damaged sidewalk where utility contractor's or subcontractor's vehicles or equipment are parked whether or not the damage was preexisting.

(f) Cost of emergency work required to restore unsatisfactory construction that becomes hazardous will be charged to permittee.

(g) Permit void **90 days** from issue date unless noted otherwise. Extension of time may be granted when requested in writing.

(h) Permit must be readily available at work site. Permit is not assignable.

(i) Section 6500 of the Labor Code requires a permit from the State Division of Industrial Safety (**CAL OSHA**) prior to an excavation five feet or deeper.

(j) Prior to digging or drilling, permittee shall request Underground Service Alert (**USA**) markings, phone **#800-642-2444.**

(k) Trenches to be inspected prior to backfilling. Backfill compaction tests may be required.

(l) All tunneling prohibited. Pipe must be bored or jacked or open trenched - including under curb, gutter and/or sidewalk.

(m) Forms for concrete work must be inspected prior to placing concrete.

(n) All concrete, including concrete pavement (overlayed with A.C. or not), must be sawcut prior to breakout. Concrete sections to be replaced shall be no smaller than 30 inches in either length or width. All sawcuts must be along scorelines, 1.5" minimum depth (special conditions for concrete pavements). If a sawcut falls within 30 inches of a construction joint, expansion joint, or edge, the concrete shall be removed to the joint or edge. Forms for concrete work must be inspected prior to placing concrete.

(o) Temporary paving is required in all street and sidewalk areas and is to be placed the same day work is performed. From **October 15** through **April 15**, only A.C. paving is to be used. Temporary paving is to be maintained by applicant.

(p) Permanent paving or sidewalk is to be replaced within **30 days**. Permittee shall notify City before placing surfacing.

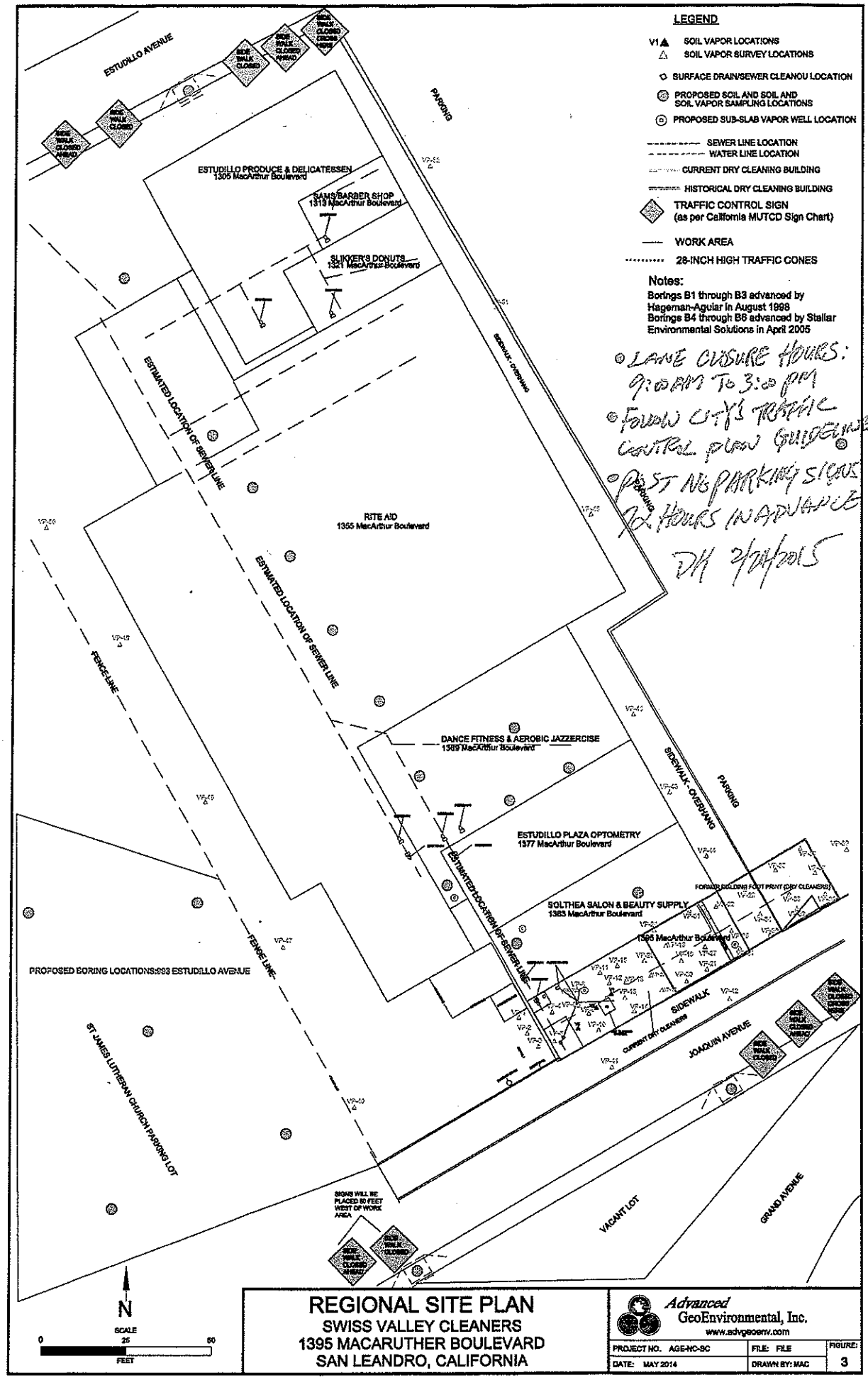
(q) Permittee shall provide, erect, and/or maintain such lights, barriers, warning signs, patrols, watchmen and other safeguards as are necessary to protect the traveling public in accordance with the current State "Manual of Warning Signs, Lights, and Devices for Use in Performance of Work Upon Highways".

(r) Before any work is begun that will interrupt the normal flow of public traffic, proposed lane closures or advanced warning light, sign, and barricade with flashing light details and layout plans shall be submitted to the City. If flagmen are required copies of certifications must be provided prior to issuance of a permit.

(s) Open trench one lane at a time, with necessary traffic control, to keep traffic moving in both directions during working hours. If at the end of the work day backfilling operations have not been completed, steel bridging shall be required to make the entire traveled way available to the public traffic.

(t) Pedestrian safety shall be maintained at all times.

(u) Permittee shall contact City for final inspection and approval of completed work.



REGIONAL SITE PLAN
SWISS VALLEY CLEANERS
1395 MACARUTHER BOULEVARD
SAN LEANDRO, CALIFORNIA

Advanced GeoEnvironmental, Inc.
www.advgeoenv.com

PROJECT NO. AGE-NC-SC	FILE: FILE	FIGURE:
DATE: MAY 2014	DRAWN BY: MAC	3

077 0501 015 01

CITY OF SAN LEANDRO
APPLICATION TO PERFORM WORK IN THE PUBLIC RIGHT-OF-WAY

E15-0007
Permit Number
2/23/15
Date Approved

Service No. _____

1305 macarthur Blvd.

Work Site: City of San Leandro right-of-way on South Side of Joaquin Avenue and South Side of Estudillo Avenue (see map)

Applicant: Name Advanced GeoEnvironmental Inc. Address 837 Shaw Raod, Stockton, CA, 95215 Tel. 209-467-1006

Owner / Responsible Party: William Brooks Address 4725 Thornton Road, Fremont, CA, 94536 Tel. 510-797-7980

Emergency: Name Daniel Villanueva Mobile 209-601-3541 Tel. 209-467-1006

Purpose of Permit:
☐ Utility ☐ Street Excavation ☐ Curb, Gutter, Sidewalk, Driveway ☒ Other Environmental

Detailed Description and Dimensions of Work: Vertical borings for collection of soil and soil-vapor samples in sidewalk of south side of Joaquin Avenue and south side of Estudillo Avenue (see maps attached).

Plan Submitted: Yes X No _____ Profile Submitted: Yes _____ No X

Date Work to be Started: 26 February 2015 Date Work to be Completed: February and March 2015

Building Permit No. N/A State Encroachment Permit No. N/A

Oro Loma Permit No. N/A Alameda County Drilling Permit No. W2015-0077

U.S.A. Tag No. 055042 and 055046 Excavation and Grading Permit No. N/A

Compliance with State Labor Code, in accordance with Section 3800:

☒ Applicant has on file with the City of San Leandro evidence that Gen. Lia., Auto and Worker's Compensation insurance are carried.

☐ Applicant will not employ anyone and therefore will not be subject to the worker's compensation laws of California.

Statement of State Contractor's License, in accordance with Section 7031.5 of the State Business and Professions Code:

☒ Applicant has State License No. 680227, Class C-57 in full force and effect.

☐ Applicant is exempt from the State Contractor's License Law for the following reason(s):

_____

☐ Consent Form
☐ Pre-Construction Video
☐ Post-Construction Video

☒ Applicant has City of San Leandro Business License No. 44743 New.

☐ Applicant has CA OSHA annual permit No. _____ ☐ Applicant has submitted OSHA activity notification

By the application and acceptance of this permit, the undersigned intending to be legally bound does hereby agree that all work performed will be in accordance with all applicable provisions of this permit and all regulations, provisions, and specifications as adopted by the City. Further, the undersigned agrees that this permit is to serve as a guaranty for payment for all permit and/or inspection charges as billed by the City. Any misrepresentation of information requested from the applicant on this form shall make this permit null and void.

Printed Name: Daniel Villanueva Signature: _____ Date: 02/19/2015

PLEASE CALL (510) 577-3308 FOR INSPECTIONS 24 HOURS PRIOR TO START OF WORK

SPECIAL PROVISIONS

Backfill Required _____

Pavement Section Required Art. 12" ☐ Col. 9" ☐ Res. 6" ☐

Minimum Depth of Cover _____

☐ Traffic Control

Police & Fire Dept. to be notified 24 hours prior to start: YES ____ NO ____

RECEIVED CITY OF SAN LEANDRO FEB 19 2015 ENG. / TRANS.

SEE REVERSE SIDE FOR GENERAL PROVISIONS APPLICABLE TO ALL PERMIT WORK

PERMIT IS VALID WHEN SIGNED

Any omission on the part of the City to specify on this permit any rule, regulation, provision, or specification shall not excuse the permittee from complying with all requirements of law and appropriate ordinances and all applicable regulations, provisions, and specifications adopted by the City.

ISSUE FOR CITY ENGINEER

_____

INSPECTION RECORD

Date	Comments	Insp	Hrs. Charged
2/24/15	Revised TCP	DH	0.5

NOTE: ½ hr. minimum charge per inspection stop

Hours forwarded from reverse side: _____

TOTAL HOURS CHARGED: _____

FEES

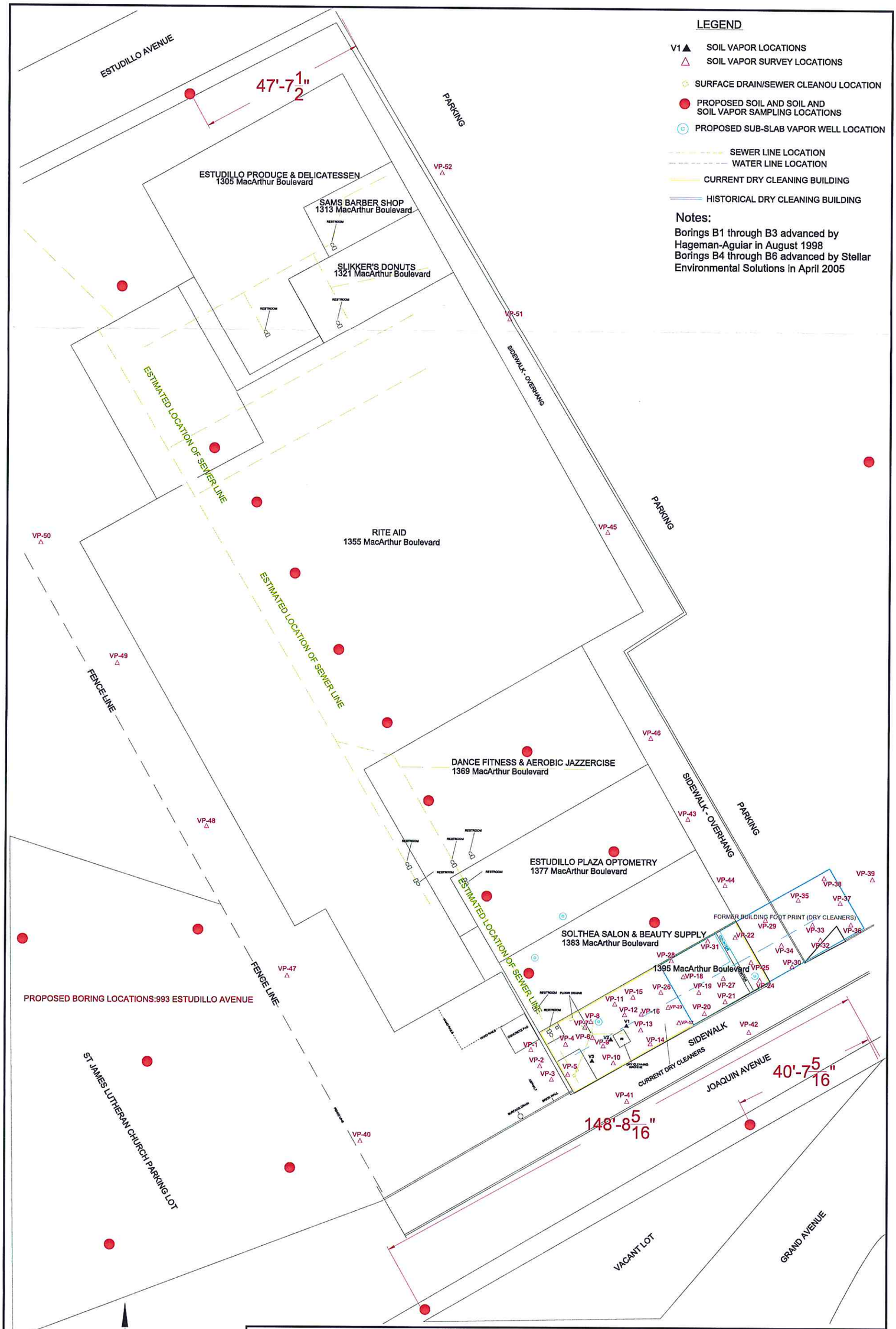
PERMIT FEE: 65 To Acct #3306

RESTORE/INSPECT DEPOSIT: 500 To CN# 27004

STREET CUT FEE: _____ To Acct #3304

TOTAL: 565

☐ All charges collected at permit issuance
☐ All charges to be billed to CN# _____
☐ City Project Acct: _____



REGIONAL SITE PLAN
SWISS VALLEY CLEANERS
1395 MACARUTHER BOULEVARD
SAN LEANDRO, CALIFORNIA

Advanced GeoEnvironmental, Inc.
www.advgeoenv.com

PROJECT NO. AGE-NC-SC	FILE: FILE	FIGURE: 3
DATE: MAY 2014	DRAWN BY: MAC	

CITY OF SAN LEANDRO

835 EAST 14th STREET • SAN LEANDRO, CALIFORNIA 94577

Taxpayer ID# 94-6000421

RECEIPT NO. 89203

RECEIVED
CITY OF SAN LEANDRO
FEB 23 2015
ENG / TRANS.

(800) 511-9300

Received From Advanced GeoEnvironmenta Inc. Date 2/23 20 15

Address 837 SHAW RD. Stockton, CA 95215 $ 565.00

For 1305 MacArthur Blvd. E15-0007.

$65 — 3306

$500 — C.N# 27004.

565 — check # 11102

Account No. 27004

By Janelle

NOT VALID UNTIL RECEIPTED BY CASHIER

Printed on Recycled Paper

APPENDIX C

Advanced
GeoEnvironmental, Inc.
837 Shaw Road, Stockton, CA 95215
(209) 467-1006 FAX: (209) 467-1118

BORING LOG

BOREHOLE NO.: **B46**
TOTAL DEPTH: **3 FEET**

Project: SWISS VALLEY CLEANERS	Drilling Co.: AGE
Site Location: 1395 MacArthur Boulevard, San Leandro, California	Rig/Auger Type: Hand Auger
	Logged By: D. Villanueva
	Reviewed By: W. Little
Project No.: AGE- 12-2461	Date(s) Drilled: 09 February 2015

Notes: Boring advanced to 3 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B46-0.5-1.5	-	0		FL: brown, dry, FILL, silty sand and gravel mixture, fine grained sand, no odor
	B46-1.5-2.0	-	0		FL: brown, dry, FILL, silty sand and gravel mixture, fine grained sand, no odor
	B46-2.5-3.0	-	0		FL: brown, dry, FILL, silty sand and gravel mixture, fine grained sand, no odor
-5					

Advanced
GeoEnvironmental, Inc.
837 Shaw Road, Stockton, CA 95215
(209) 467-1006 FAX: (209) 467-1118

BORING LOG

BOREHOLE NO.: **B47**
TOTAL DEPTH: **3 FEET**

Project: SWISS VALLEY CLEANERS	Drilling Co.: AGE
Site Location: 1395 MacArthur Boulevard, San Leandro, California	Rig/Auger Type: Hand Auger
	Logged By: D. Villanueva
	Reviewed By: W. Little
Project No.: AGE- 12-2461	Date(s) Drilled: 10 February 2015

Notes: Boring advanced to 3 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B47-0.5-1.5	-	0		FL: brown, dry, FILL, silty sand and gravel mixture, fine grained sand, no odor
	B47-1.5-2.0	-	0.1		FL: brown, dry, FILL, silty sand and gravel mixture, fine grained sand, no odor
	B47-2.5-3.0	-	0.1		FL: brown, dry, FILL, silty sand and gravel mixture, fine grained sand, no odor
-5					

Advanced
GeoEnvironmental, Inc.
837 Shaw Road, Stockton, CA 95215
(209) 467-1006 FAX: (209) 467-1118

BORING LOG

BOREHOLE NO.: **B48**
TOTAL DEPTH: **3 FEET**

Project: SWISS VALLEY CLEANERS	Drilling Co.: AGE
Site Location: 1395 MacArthur Boulevard, San Leandro, California	Rig/Auger Type: Hand Auger
	Logged By: D. Villanueva
	Reviewed By: W. Little
Project No.: AGE- 12-2461	Date(s) Drilled: 10 February 2015

Notes: Boring advanced to 3 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B48-0.5-1.5	-	0		FL: brown, dry, FILL, silty sand and gravel mixture, fine grained sand, no odor
	B48-1.5-2.0	-	0		FL: brown, dry, FILL, silty sand and gravel mixture, fine grained sand, no odor
	B48-2.5-3.0	-	0		FL: brown, dry, FILL, silty sand and gravel mixture, fine grained sand, no odor
-5					

Advanced
GeoEnvironmental, Inc.
837 Shaw Road, Stockton, CA 95215
(209) 467-1006 FAX: (209) 467-1118

BORING LOG

BOREHOLE NO.: **B49**
TOTAL DEPTH: **3 FEET**

Project: SWISS VALLEY CLEANERS	Drilling Co.: AGE
Site Location: 1395 MacArthur Boulevard, San Leandro, California	Rig/Auger Type: Hand Auger
	Logged By: D. Villanueva
	Reviewed By: W. Little
Project No.: AGE- 12-2461	Date(s) Drilled: 10 February 2015

Notes: Boring advanced to 3 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B49-0.5-1.5	-	0		FL: brown, dry, FILL, silty sand and gravel mixture, fine grained sand, no odor
	B49-1.5-2.0	-	0.1		FL: brown, dry, FILL, silty sand and gravel mixture, fine grained sand, no odor
	B49-2.5-3.0	-	0		FL: brown, moist, FILL, silty sand and gravel mixture, clay in matrix, no odor
-5					

Advanced
GeoEnvironmental, Inc.
837 Shaw Road, Stockton, CA 95215
(209) 467-1006 FAX: (209) 467-1118

BORING LOG

BOREHOLE NO.: **B50**
TOTAL DEPTH: **3 FEET**

Project: SWISS VALLEY CLEANERS	Drilling Co.: AGE
Site Location: 1395 MacArthur Boulevard, San Leandro, California	Rig/Auger Type: Hand Auger
	Logged By: D. Villanueva
	Reviewed By: W. Little
Project No.: AGE- 12-2461	Date(s) Drilled: 10 February 2015

Notes: Boring advanced to 3 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B50-0.5-1.5	-	0		FL: brown, dry, FILL, silty sand and gravel mixture, fine grained sand, no odor
	B50-1.5-2.0	-	0		FL: brown, dry, FILL, silty sand and gravel mixture, fine grained sand, no odor
	B50-2.5-3.0	-	0		FL: brown, dry, FILL, silty sand and gravel mixture, clay in matrix, no odor
-5					

Advanced
GeoEnvironmental, Inc.
837 Shaw Road, Stockton, CA 95215
(209) 467-1006 FAX: (209) 467-1118

BORING LOG

BOREHOLE NO.: **B51**
TOTAL DEPTH: **10 FEET**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	AGE
Site Location:	1395 MacArthur Boulevard San Leandro, California	Rig/Auger Type:	Hand Auger/Geoprobe 5400
		Logged By:	D. Villanueva
		Reviewed By:	W. Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	26 February 2015

Notes: Boring advanced to 10 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B51-0.5-1.0	-	0		SM: brown, dry, SILTY SAND, fine grained sand, no odor
	B51-1.5-2.0	-	0		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B51-2.5-3.0	-	0		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B51-3.5-4.0	-	0		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B51-4.5-5.0	-	0		ML: brown to red, dry, SILT, some fine grained sand, no odor
-5					ML: brown, dry, SILT, no odor
	B51-6.5-7.0	-	0		
	B51-8.5-9.0	-	0		ML: brown, dry, SILT, no odor
	B51-9.5-10	-	0		ML: brown, dry, SILT, no odor
-10					

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837 Shaw Road, Stockton, CA 95215
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BORING LOG

BOREHOLE NO.: **B52**
TOTAL DEPTH: **10 FEET**

Project: SWISS VALLEY CLEANERS	Drilling Co.: AGE
Site Location: 1395 MacArthur Boulevard, San Leandro, California	Rig/Auger Type: Hand Auger/Geoprobe 5400
	Logged By: D. Villanueva
	Reviewed By: W. Little
Project No.: AGE- 12-2461	Date(s) Drilled: 26 February 2015

Notes: Boring advanced to 10 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B52-0.5-1.0	-	0		SM: brown, dry, SILTY SAND, fine grained sand, some gravel, no odor
	B52-1.5-2.0	-	0		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B52-2.5-3.0	-	0		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B52-3.5-4.0	-	0		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B52-4.5-5.0	-	0		ML: light brown, dry, SILT, no odor
-5					ML: light brown, dry, SILT, no odor
	B52-6.5-7.0	-	0		
	B52-8.5-9.0	-	0.1		ML: brown to red, dry, SILT, no odor
	B52-9.5-10	-	0.3		ML: brown to red, dry, SILT, no odor
-10					

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BORING LOG

BOREHOLE NO.: **B53**
TOTAL DEPTH: **10 FEET**

Project: SWISS VALLEY CLEANERS	Drilling Co.: AGE
Site Location: 1395 MacArthur Boulevard, San Leandro, California	Rig/Auger Type: Hand Auger/Geoprobe 5400
	Logged By: D. Villanueva
	Reviewed By: W. Little
Project No.: AGE- 12-2461	Date(s) Drilled: 26 February 2015

Notes: Boring advanced to 10 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B53-0.5-1.0	-	0		SM: brown, dry, SILTY SAND, fine grained sand, no odor
	B53-1.5-2.0	-	0		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B53-2.5-3.0	-	0		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B53-3.5-4.0	-	0		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B53-4.5-5.0	-	0		ML: dark brown, dry, SILT, some fine grained sand, no odor
-5					ML: dark brown, dry, SILT, some fine grained sand, no odor
	B53-6.5-7.0	-	0.1		
					ML: dark brown, dry, SILT, some fine grained sand, no odor
	B53-9.5-10	-	0		
-10					

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BORING LOG

BOREHOLE NO.: **B54**
TOTAL DEPTH: **10 FEET**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	AGE
Site Location:	1395 MacArthur Boulevard San Leandro, California	Rig/Auger Type:	Hand Auger/Geoprobe 5400
		Logged By:	D. Villanueva
		Reviewed By:	W. Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	26 February 2015

Notes: Boring advanced to 10 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B54-0.5-1.0	-	0.1		SM: brown, dry, SILTY SAND, fine grained sand, some gravel, no odor
	B54-1.5-2.0	-	0.1		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B54-2.5-3.0	-	0.2		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B54-3.5-4.0	-	0.5		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B54-4.5-5.0	-	0.2		ML: brown to red, dry, SILT, some fine grainded sand, no odor
-5					ML: brown to red, dry, SILT, some fine grainded sand, no odor
	B54-6.5-7.0	-	0		
	B54-8.5-9.0	-	0		ML: brown to red, dry, SILT, some fine grainded sand, no odor
	B54-9.5-10	-	0		ML: brown to red, dry, SILT, some fine grainded sand, no odor
-10					

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BORING LOG

BOREHOLE NO.: **B55**
TOTAL DEPTH: **10 FEET**

Project: SWISS VALLEY CLEANERS	Drilling Co.: AGE
Site Location: 1395 MacArthur Boulevard, San Leandro, California	Rig/Auger Type: Hand Auger/Geoprobe 5400
	Logged By: D. Villanueva
	Reviewed By: W. Little
Project No.: AGE- 12-2461	Date(s) Drilled: 26 February 2015

Notes: Boring advanced to 10 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B55-0.5-1.0	-	2.3		SM: brown, dry, SITLY SAND, fine grained sand, no odor
	B55-1.5-2.0	-	0.4		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B55-2.5-3.0	-	0.5		ML: dark brown, dry, SILT, some fine grained sand, clay in matrix, no odor
	B55-3.5-4.0	-	0.5		ML: dark brown, dry, SILT, some fine grained sand, clay in matrix, no odor
	B55-4.5-5.0	-	0.5		ML: dark brown, dry, SILT, some fine grained sand, clay in matrix, no odor
-5					ML: brown, dry, SILT, no odor
	B55-6.5-7.0	-	0		
					SM: brown, dry, SILTY SAND, fine grained sand, no odor
	B55-9.5-10	-	0		
-10					

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BORING LOG

BOREHOLE NO.: **B56**
TOTAL DEPTH: **10 FEET**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	AGE
Site Location:	1395 MacArthur Boulevard San Leandro, California	Rig/Auger Type:	Hand Auger/LA Power Probe
		Logged By:	D. Villanueva
		Reviewed By:	W. Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	27 February 2015

Notes: Boring advanced to 10 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B56-0.5-1.0	-	0		FL: brown, dry, FILL, fine grained sand, some gravel pieces, no odor
	B56-1.5-2.0	-	0		FL: brown, dry, FILL, fine graind sand, some gravel pieces, no odor
					ML: dark brown, dry, SILT, clay in matrix, no odor
	B56-4.5-5.0	-	0.8		
-5					ML: dark brown, dry, SILT, some fine grained sand, no odor
	B56-6.5-7.0	-	1.1		
					ML: dark brown, dry, SILT, some fine grained sand, no odor
	B56-8.5-9.0	-	0.4		
					ML: dark brown, dry, SILT, some fine grained sand, no odor
	B56-9.5-10	-	0.6		
-10					

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BORING LOG

BOREHOLE NO.: **B57**
TOTAL DEPTH: **5 FEET**

Project: SWISS VALLEY CLEANERS	Drilling Co.: AGE
Site Location: 1395 MacArthur Boulevard, San Leandro, California	Rig/Auger Type: Hand Auger
	Logged By: D. Villanueva
	Reviewed By: W. Little
Project No.: AGE- 12-2461	Date(s) Drilled: 27 February 2015

Notes: Boring advanced to 5 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B57-0.5-1.0	-	0.2		FL: brown, dry, FILL, fine grained sand, some gravel pieces, no odor
	B57-1.5-2.0	-	0.2		FL: brown, dry, FILL, fine graind sand, some gravel pieces, no odor
	B57-4.5-5.0	-	1.6		ML: dark brown, dry, SILT, clay in matrix, no odor
-5					

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BORING LOG

BOREHOLE NO.: **B58**
TOTAL DEPTH: **10 FEET**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	AGE
Site Location:	1395 MacArthur Boulevard San Leandro, California	Rig/Auger Type:	Hand Auger/LA Power Probe
		Logged By:	D. Villanueva
		Reviewed By:	W. Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	27 February 2015

Notes: Boring advanced to 10 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B58-0.5-1.0	-	0.6		FL: brown, dry, FILL, fine grained sand, some gravel pieces, no odor
	B58-1.5-2.0	-	0.7		FL: brown, dry, FILL, fine graind sand, some gravel pieces, no odor
					ML: dark brown, dry, SILT, some fine grained sand, no odor
	B58-4.5-5.0	-	0.6		
-5					ML: dark brown, dry, SILT, some fine grained sand, no odor
	B58-6.5-7.0	-	1.1		
					ML: dark brown, dry, SILT, some fine grained sand, no odor
	B58-9.5-10	-	1.0		
-10					

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BORING LOG

BOREHOLE NO.: **B59**
TOTAL DEPTH: **10 FEET**

Project: SWISS VALLEY CLEANERS	Drilling Co.: AGE
Site Location: 1395 MacArthur Boulevard, San Leandro, California	Rig/Auger Type: Hand Auger/LA Power Probe
	Logged By: D. Villanueva
	Reviewed By: W. Little
Project No.: AGE- 12-2461	Date(s) Drilled: 27 February 2015

Notes: Boring advanced to 10 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B59-0.5-1.0	-	0		FL: light brown, dry, FILL, fine grained sand, some gravel pieces, no odor
	B59-1.5-2.0	-	0.4		FL: light brown, dry, FILL, fine grained sand, some gravel pieces, no odor
					ML: dark brown, dry, SILT, some fine grained sand, no odor
	B59-4.5-5.0	-	0.4		
-5					ML: dark brown, dry, SILT, some fine grained sand, no odor
	B59-6.5-7.0	-	1.1		
					ML: dark brown, dry, SILT, some fine grained sand, no odor
	B59-9.5-10	-	0.7		
-10					

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BORING LOG

BOREHOLE NO.: **B60**
TOTAL DEPTH: **10 FEET**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	AGE
Site Location:	1395 MacArthur Boulevard San Leandro, California	Rig/Auger Type:	Hand Auger/LA Power Probe
		Logged By:	D. Villanueva
		Reviewed By:	W. Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	10 March 2015

Notes: Boring advanced to 10 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B60-0.5-1.0	-	0		FL: brown, dry, FILL, silty sand mixture with some gravel, no odor
	B60-1.5-2.0	-	0		FL: brown, dry, FILL, silty sand mixture with some gravel, clay in the matrix, no odor
	B60-2.5-3.0	-	0		CL: dark brown, dry, CLAY, some fine grained sand, no odor
	B60-3.5-4.0	-	0		CL: dark brown, dry, CLAY, some fine grained sand, no odor
	B60-4.5-5.0	-	0		CL: dark brown, dry, CLAY, some fine grained sand, no odor
-5					
	B60-9.5-10	-	0		ML: brown, dry, SILT, some fine grained sand, no odor
-10					

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BORING LOG

BOREHOLE NO.: **B61**
TOTAL DEPTH: **10 FEET**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	AGE
Site Location:	1395 MacArthur Boulevard San Leandro, California	Rig/Auger Type:	Hand Auger/LA Power Probe
		Logged By:	D. Villanueva
		Reviewed By:	W. Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	10 March 2015

Notes: Boring advanced to 10 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B61-0.5-1.0	-	0		CL: dark brown, dry, CLAY, plastic, no odor
	B61-1.5-2.0	-	0.4		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B61-2.5-3.0	-	0		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B61-3.5-4.0	-	0.1		ML: dark brown, dry, SILT, some fine grained sand, no odor
	B61-4.5-5.0	-	0.2		ML: dark brown, dry, SILT, some fine grained sand, no odor
-5					
	B61-9.5-10	-	0.8		ML: brown, dry, SANDY SILT, fine grained sand, no odor
-10					

Advanced
GeoEnvironmental, Inc.
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(209) 467-1006 FAX: (209) 467-1118

BORING LOG

BOREHOLE NO.: **B62**
TOTAL DEPTH: **10 FEET**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	AGE
Site Location:	1395 MacArthur Boulevard San Leandro, California	Rig/Auger Type:	Hand Auger/LA Power Probe
		Logged By:	D. Villanueva
		Reviewed By:	W. Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	10 March 2015

Notes: Boring advanced to 10 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B62-0.5-1.0	-	0.2		ML: brown, dry, SILT, some fine grained sand, no odor
	B62-1.5-2.0	-	0.4		ML: brown, dry, SILT, some fine grained sand, no odor
	B62-2.5-3.0	-	0.5		ML: brown, dry, SILT, some fine graind sand, no odor
	B62-3.5-4.0	-	0		ML: dark brown, dry, SILT, some fine grained sand, some clay in matrix, no odor
	B62-4.5-5.0	-	0.5		CL: brown, dry, CLAY, some silt, plastic, no odor
-5					
					ML: brown, dry, SILT, some fine grained sand, no odor
	B62-9.5-10	-	0.3		
-10					

Advanced
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BORING LOG

BOREHOLE NO.: **B63**
TOTAL DEPTH: **10 FEET**

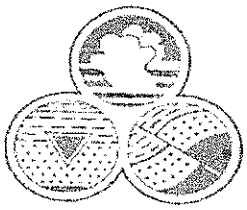
Project:	SWISS VALLEY CLEANERS	Drilling Co.:	AGE
Site Location:	1395 MacArthur Boulevard San Leandro, California	Rig/Auger Type:	Hand Auger/LA Power Probe
		Logged By:	D. Villanueva
		Reviewed By:	W. Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	10 March 2015

Notes: Boring advanced to 10 feet bsg. Boring backfilled to surface grade with Portland cement.

▽ Water level during drilling
▼ Water level in completed well

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
0					
	B63-0.5-1.0	-	0.7		ML: brown, dry, FILL, fine grained sand and gravel mixture, no odor
	B63-1.5-2.0	-	1.0		ML: brown, dry, SILT, some fine grained sand, clay in matrix, no odor
	B63-2.5-3.0	-	0.5		ML: brown, dry, SILT, some fine grained sand, clay in matrix, no odor
	B63-3.5-4.0	-	0.2		ML: brown, dry, SILT, some fine grained sand, clay in matrix, no odor
	B63-4.5-5.0	-	0.2		ML: brown, dry, SILT, some fine grained sand, clay in matrix, no odor
-5					
	B63-9.5-10	-	0		ML: brown, dry, SILT, some fine grained sand, clay in matrix, no odor
-10					

APPENDIX D



Swiss Valley cleaners
3-23-15
KL

Purge Apparatus:	200ml/min low flow pump
Purge Volume:	
Purge Time:	
Sample Canister Total Volume:	6.0L

Field Point: SS-1 **Sample ID:**

Canister #: 1985-1933	Purge		Sample	
Manifold#: 316-727	*Initial*	*Post*	Initial	Post
Time ~~35.6 sec~~	35.6 sec		~~1024~~ 1038	1053
Pressure (in Hg)			29	4
Manifold Leak Test (10 Minutes):				
Start Time: 1010		End Time:	1020	

.20 PPM

Field Point: SS-2 **Sample ID:**

Canister #: 1984-1932	Purge		Sample	
Manifold#: 316-689	*Initial*	*Post*	Initial	Post
Time	35.6 sec		1119	1139
Pressure (in Hg)			29.5	4
Manifold Leak Test (10 Minutes):				
Start Time: 1102		End Time:	1112	

.30 PPM

Field Point: SS-3 **Sample ID:**

Canister #: 1922-1905	Purge		Sample	
Manifold#: 316-682	*Initial*	*Post*	Initial	Post
Time	35.6 sec		1250	1320
Pressure (in Hg)			29	4.5
Manifold Leak Test (10 Minutes):				
Start Time: 1233		End Time:	1294	

3.2 PPM

Field Point: ~~SS-4~~ SS-4 **Sample ID:**

Canister #: 1987-1935	Purge		Sample	
Manifold#: 316-676	*Initial*	*Post*	Initial	Post
Time	35.6 sec		1335	1356
Pressure (in Hg)			30	4.5
Manifold Leak Test (10 Minutes):				
Start Time: 1323		End Time:	1333	

4.7 PPM

APPENDIX E

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1502330

Report Created for: Advanced GeoEnvironmental, Inc.
837 Shaw Road
Stockton, CA 95215

Project Contact: Daniel Villanueva
Project P.O.:
Project Name: Swiss Valley Cleaners

Project Received: 02/10/2015

Analytical Report reviewed & approved for release on 02/19/2015 by:

Question about your data?

Click here to email McCampbell

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Advanced GeoEnvironmental, Inc.
Project: Swiss Valley Cleaners
WorkOrder: 1502330

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
TEQ	Toxicity Equivalence

Analytical Qualifiers

H	samples were analyzed out of holding time

Quality Control Qualifiers

F1	MS/MSD recovery and/or RPD was out of acceptance criteria; LCS validated the prep batch.
F2	LCS recovery for this compound is outside of acceptance limits.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Case Narrative

Client: Advanced GeoEnvironmental, Inc. **Work Order:** 1502330
Project: Swiss Valley Cleaners February 19, 2015

TO-15 ANALYSIS

All summa canisters are EVACUATED 5 days after the reporting of the results. Please call or email if a longer retention time is required.

In an effort to attain the lowest reporting limits possible for the majority of the TO-15 target list, high level compounds may be analyzed using EPA Method 8260B.

Polymer (Tedlar) bags are not recommended for TO15 samples. The disadvantages are listed in Appendix B of the DTSC Advisory of April 2012.

McCampbell Analytical, Inc.
"When Quality Counts"

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B46-Vapor	**1502330-011A**	**Air**	**02/10/2015 03:20**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acetone	ND	H	5.0	1	02/10/2015 13:05
tert-Amyl methyl ether (TAME)	ND	H	0.25	1	02/10/2015 13:05
Benzene	ND	H	0.25	1	02/10/2015 13:05
Bromobenzene	ND	H	0.25	1	02/10/2015 13:05
Bromochloromethane	ND	H	0.25	1	02/10/2015 13:05
Bromodichloromethane	ND	H	0.25	1	02/10/2015 13:05
Bromoform	ND	H	0.25	1	02/10/2015 13:05
Bromomethane	ND	H	0.25	1	02/10/2015 13:05
2-Butanone (MEK)	ND	H	1.0	1	02/10/2015 13:05
t-Butyl alcohol (TBA)	ND	H	2.5	1	02/10/2015 13:05
n-Butyl benzene	ND	H	0.25	1	02/10/2015 13:05
sec-Butyl benzene	ND	H	0.25	1	02/10/2015 13:05
tert-Butyl benzene	ND	H	0.25	1	02/10/2015 13:05
Carbon Disulfide	ND	H	0.25	1	02/10/2015 13:05
Carbon Tetrachloride	ND	H	0.25	1	02/10/2015 13:05
Chlorobenzene	ND	H	0.25	1	02/10/2015 13:05
Chloroethane	ND	H	0.25	1	02/10/2015 13:05
Chloroform	ND	H	0.25	1	02/10/2015 13:05
Chloromethane	ND	H	0.25	1	02/10/2015 13:05
2-Chlorotoluene	ND	H	0.25	1	02/10/2015 13:05
4-Chlorotoluene	ND	H	0.25	1	02/10/2015 13:05
Dibromochloromethane	ND	H	0.25	1	02/10/2015 13:05
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	02/10/2015 13:05
1,2-Dibromoethane (EDB)	ND	H	0.25	1	02/10/2015 13:05
Dibromomethane	ND	H	0.25	1	02/10/2015 13:05
1,2-Dichlorobenzene	ND	H	0.25	1	02/10/2015 13:05
1,3-Dichlorobenzene	ND	H	0.25	1	02/10/2015 13:05
1,4-Dichlorobenzene	ND	H	0.25	1	02/10/2015 13:05
Dichlorodifluoromethane	ND	H	0.25	1	02/10/2015 13:05
1,1-Dichloroethane	ND	H	0.25	1	02/10/2015 13:05
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	02/10/2015 13:05
1,1-Dichloroethene	ND	H	0.25	1	02/10/2015 13:05
cis-1,2-Dichloroethene	ND	H	0.25	1	02/10/2015 13:05
trans-1,2-Dichloroethene	ND	H	0.25	1	02/10/2015 13:05
1,2-Dichloropropane	ND	H	0.25	1	02/10/2015 13:05
1,3-Dichloropropane	ND	H	0.25	1	02/10/2015 13:05
2,2-Dichloropropane	ND	H	0.25	1	02/10/2015 13:05
1,1-Dichloropropene	ND	H	0.25	1	02/10/2015 13:05

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B46-Vapor	**1502330-011A**	**Air**	**02/10/2015 03:20**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	H	0.25	1	02/10/2015 13:05
trans-1,3-Dichloropropene	ND	H	0.25	1	02/10/2015 13:05
Diisopropyl ether (DIPE)	ND	H	0.25	1	02/10/2015 13:05
Ethylbenzene	**0.40**	H	0.25	1	02/10/2015 13:05
Ethyl tert-butyl ether (ETBE)	ND	H	0.25	1	02/10/2015 13:05
Freon 113	ND	H	5.0	1	02/10/2015 13:05
Hexachlorobutadiene	ND	H	0.25	1	02/10/2015 13:05
Hexachloroethane	ND	H	0.25	1	02/10/2015 13:05
2-Hexanone	ND	H	0.25	1	02/10/2015 13:05
Isopropylbenzene	ND	H	0.25	1	02/10/2015 13:05
4-Isopropyl toluene	ND	H	0.25	1	02/10/2015 13:05
Methyl-t-butyl ether (MTBE)	ND	H	0.25	1	02/10/2015 13:05
Methylene chloride	ND	H	0.25	1	02/10/2015 13:05
4-Methyl-2-pentanone (MIBK)	ND	H	0.25	1	02/10/2015 13:05
Naphthalene	ND	H	0.25	1	02/10/2015 13:05
n-Propyl benzene	ND	H	0.25	1	02/10/2015 13:05
Styrene	ND	H	0.25	1	02/10/2015 13:05
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	02/10/2015 13:05
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	02/10/2015 13:05
Tetrachloroethene	**1.4**	H	0.25	1	02/10/2015 13:05
Toluene	**1.9**	H	0.25	1	02/10/2015 13:05
1,2,3-Trichlorobenzene	ND	H	0.25	1	02/10/2015 13:05
1,2,4-Trichlorobenzene	ND	H	0.25	1	02/10/2015 13:05
1,1,1-Trichloroethane	ND	H	0.25	1	02/10/2015 13:05
1,1,2-Trichloroethane	ND	H	0.25	1	02/10/2015 13:05
Trichloroethene	ND	H	0.25	1	02/10/2015 13:05
Trichlorofluoromethane	ND	H	0.25	1	02/10/2015 13:05
1,2,3-Trichloropropane	ND	H	0.25	1	02/10/2015 13:05
1,2,4-Trimethylbenzene	**0.41**	H	0.25	1	02/10/2015 13:05
1,3,5-Trimethylbenzene	ND	H	0.25	1	02/10/2015 13:05
Vinyl Chloride	ND	H	0.25	1	02/10/2015 13:05
Xylenes, Total	**2.0**	H	0.25	1	02/10/2015 13:05

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B46-Vapor	**1502330-011A**	**Air**	**02/10/2015 03:20**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	97	H	70-130		02/10/2015 13:05
Toluene-d8	98	H	70-130		02/10/2015 13:05
4-BFB	92	H	70-130		02/10/2015 13:05

Analyst(s): AK

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B47-Vapor	**1502330-012A**	**Air**	**02/10/2015 03:28**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acetone	ND	H	5.0	1	02/10/2015 13:44
tert-Amyl methyl ether (TAME)	ND	H	0.25	1	02/10/2015 13:44
Benzene	ND	H	0.25	1	02/10/2015 13:44
Bromobenzene	ND	H	0.25	1	02/10/2015 13:44
Bromochloromethane	ND	H	0.25	1	02/10/2015 13:44
Bromodichloromethane	ND	H	0.25	1	02/10/2015 13:44
Bromoform	ND	H	0.25	1	02/10/2015 13:44
Bromomethane	ND	H	0.25	1	02/10/2015 13:44
2-Butanone (MEK)	ND	H	1.0	1	02/10/2015 13:44
t-Butyl alcohol (TBA)	ND	H	2.5	1	02/10/2015 13:44
n-Butyl benzene	ND	H	0.25	1	02/10/2015 13:44
sec-Butyl benzene	ND	H	0.25	1	02/10/2015 13:44
tert-Butyl benzene	ND	H	0.25	1	02/10/2015 13:44
Carbon Disulfide	ND	H	0.25	1	02/10/2015 13:44
Carbon Tetrachloride	ND	H	0.25	1	02/10/2015 13:44
Chlorobenzene	ND	H	0.25	1	02/10/2015 13:44
Chloroethane	ND	H	0.25	1	02/10/2015 13:44
Chloroform	ND	H	0.25	1	02/10/2015 13:44
Chloromethane	ND	H	0.25	1	02/10/2015 13:44
2-Chlorotoluene	ND	H	0.25	1	02/10/2015 13:44
4-Chlorotoluene	ND	H	0.25	1	02/10/2015 13:44
Dibromochloromethane	ND	H	0.25	1	02/10/2015 13:44
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	02/10/2015 13:44
1,2-Dibromoethane (EDB)	ND	H	0.25	1	02/10/2015 13:44
Dibromomethane	ND	H	0.25	1	02/10/2015 13:44
1,2-Dichlorobenzene	ND	H	0.25	1	02/10/2015 13:44
1,3-Dichlorobenzene	ND	H	0.25	1	02/10/2015 13:44
1,4-Dichlorobenzene	ND	H	0.25	1	02/10/2015 13:44
Dichlorodifluoromethane	ND	H	0.25	1	02/10/2015 13:44
1,1-Dichloroethane	ND	H	0.25	1	02/10/2015 13:44
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	02/10/2015 13:44
1,1-Dichloroethene	ND	H	0.25	1	02/10/2015 13:44
cis-1,2-Dichloroethene	ND	H	0.25	1	02/10/2015 13:44
trans-1,2-Dichloroethene	ND	H	0.25	1	02/10/2015 13:44
1,2-Dichloropropane	ND	H	0.25	1	02/10/2015 13:44
1,3-Dichloropropane	ND	H	0.25	1	02/10/2015 13:44
2,2-Dichloropropane	ND	H	0.25	1	02/10/2015 13:44
1,1-Dichloropropene	ND	H	0.25	1	02/10/2015 13:44

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B47-Vapor	**1502330-012A**	**Air**	**02/10/2015 03:28**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	H	0.25	1	02/10/2015 13:44
trans-1,3-Dichloropropene	ND	H	0.25	1	02/10/2015 13:44
Diisopropyl ether (DIPE)	ND	H	0.25	1	02/10/2015 13:44
Ethylbenzene	**0.30**	H	0.25	1	02/10/2015 13:44
Ethyl tert-butyl ether (ETBE)	ND	H	0.25	1	02/10/2015 13:44
Freon 113	ND	H	5.0	1	02/10/2015 13:44
Hexachlorobutadiene	ND	H	0.25	1	02/10/2015 13:44
Hexachloroethane	ND	H	0.25	1	02/10/2015 13:44
2-Hexanone	ND	H	0.25	1	02/10/2015 13:44
Isopropylbenzene	ND	H	0.25	1	02/10/2015 13:44
4-Isopropyl toluene	ND	H	0.25	1	02/10/2015 13:44
Methyl-t-butyl ether (MTBE)	ND	H	0.25	1	02/10/2015 13:44
Methylene chloride	ND	H	0.25	1	02/10/2015 13:44
4-Methyl-2-pentanone (MIBK)	ND	H	0.25	1	02/10/2015 13:44
Naphthalene	ND	H	0.25	1	02/10/2015 13:44
n-Propyl benzene	ND	H	0.25	1	02/10/2015 13:44
Styrene	ND	H	0.25	1	02/10/2015 13:44
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	02/10/2015 13:44
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	02/10/2015 13:44
Tetrachloroethene	**0.80**	H	0.25	1	02/10/2015 13:44
Toluene	**1.3**	H	0.25	1	02/10/2015 13:44
1,2,3-Trichlorobenzene	ND	H	0.25	1	02/10/2015 13:44
1,2,4-Trichlorobenzene	ND	H	0.25	1	02/10/2015 13:44
1,1,1-Trichloroethane	ND	H	0.25	1	02/10/2015 13:44
1,1,2-Trichloroethane	ND	H	0.25	1	02/10/2015 13:44
Trichloroethene	ND	H	0.25	1	02/10/2015 13:44
Trichlorofluoromethane	ND	H	0.25	1	02/10/2015 13:44
1,2,3-Trichloropropane	ND	H	0.25	1	02/10/2015 13:44
1,2,4-Trimethylbenzene	**0.30**	H	0.25	1	02/10/2015 13:44
1,3,5-Trimethylbenzene	ND	H	0.25	1	02/10/2015 13:44
Vinyl Chloride	ND	H	0.25	1	02/10/2015 13:44
Xylenes, Total	**1.5**	H	0.25	1	02/10/2015 13:44

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Angela Rydelius, Lab Manager

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B47-Vapor	**1502330-012A**	**Air**	**02/10/2015 03:28**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	95	H	70-130		02/10/2015 13:44
Toluene-d8	97	H	70-130		02/10/2015 13:44
4-BFB	91	H	70-130		02/10/2015 13:44

Analyst(s): AK

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B48-Vapor	**1502330-013A**	**Air**	**02/10/2015 03:54**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acetone	ND	H	5.0	1	02/10/2015 14:22
tert-Amyl methyl ether (TAME)	ND	H	0.25	1	02/10/2015 14:22
Benzene	ND	H	0.25	1	02/10/2015 14:22
Bromobenzene	ND	H	0.25	1	02/10/2015 14:22
Bromochloromethane	ND	H	0.25	1	02/10/2015 14:22
Bromodichloromethane	ND	H	0.25	1	02/10/2015 14:22
Bromoform	ND	H	0.25	1	02/10/2015 14:22
Bromomethane	ND	H	0.25	1	02/10/2015 14:22
2-Butanone (MEK)	ND	H	1.0	1	02/10/2015 14:22
t-Butyl alcohol (TBA)	ND	H	2.5	1	02/10/2015 14:22
n-Butyl benzene	ND	H	0.25	1	02/10/2015 14:22
sec-Butyl benzene	ND	H	0.25	1	02/10/2015 14:22
tert-Butyl benzene	ND	H	0.25	1	02/10/2015 14:22
Carbon Disulfide	ND	H	0.25	1	02/10/2015 14:22
Carbon Tetrachloride	ND	H	0.25	1	02/10/2015 14:22
Chlorobenzene	ND	H	0.25	1	02/10/2015 14:22
Chloroethane	ND	H	0.25	1	02/10/2015 14:22
Chloroform	ND	H	0.25	1	02/10/2015 14:22
Chloromethane	ND	H	0.25	1	02/10/2015 14:22
2-Chlorotoluene	ND	H	0.25	1	02/10/2015 14:22
4-Chlorotoluene	ND	H	0.25	1	02/10/2015 14:22
Dibromochloromethane	ND	H	0.25	1	02/10/2015 14:22
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	02/10/2015 14:22
1,2-Dibromoethane (EDB)	ND	H	0.25	1	02/10/2015 14:22
Dibromomethane	ND	H	0.25	1	02/10/2015 14:22
1,2-Dichlorobenzene	ND	H	0.25	1	02/10/2015 14:22
1,3-Dichlorobenzene	ND	H	0.25	1	02/10/2015 14:22
1,4-Dichlorobenzene	ND	H	0.25	1	02/10/2015 14:22
Dichlorodifluoromethane	ND	H	0.25	1	02/10/2015 14:22
1,1-Dichloroethane	ND	H	0.25	1	02/10/2015 14:22
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	02/10/2015 14:22
1,1-Dichloroethene	ND	H	0.25	1	02/10/2015 14:22
cis-1,2-Dichloroethene	ND	H	0.25	1	02/10/2015 14:22
trans-1,2-Dichloroethene	ND	H	0.25	1	02/10/2015 14:22
1,2-Dichloropropane	ND	H	0.25	1	02/10/2015 14:22
1,3-Dichloropropane	ND	H	0.25	1	02/10/2015 14:22
2,2-Dichloropropane	ND	H	0.25	1	02/10/2015 14:22
1,1-Dichloropropene	ND	H	0.25	1	02/10/2015 14:22

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B48-Vapor	**1502330-013A**	**Air**	**02/10/2015 03:54**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	H	0.25	1	02/10/2015 14:22
trans-1,3-Dichloropropene	ND	H	0.25	1	02/10/2015 14:22
Diisopropyl ether (DIPE)	ND	H	0.25	1	02/10/2015 14:22
Ethylbenzene	**0.31**	H	0.25	1	02/10/2015 14:22
Ethyl tert-butyl ether (ETBE)	ND	H	0.25	1	02/10/2015 14:22
Freon 113	ND	H	5.0	1	02/10/2015 14:22
Hexachlorobutadiene	ND	H	0.25	1	02/10/2015 14:22
Hexachloroethane	ND	H	0.25	1	02/10/2015 14:22
2-Hexanone	ND	H	0.25	1	02/10/2015 14:22
Isopropylbenzene	ND	H	0.25	1	02/10/2015 14:22
4-Isopropyl toluene	ND	H	0.25	1	02/10/2015 14:22
Methyl-t-butyl ether (MTBE)	ND	H	0.25	1	02/10/2015 14:22
Methylene chloride	ND	H	0.25	1	02/10/2015 14:22
4-Methyl-2-pentanone (MIBK)	ND	H	0.25	1	02/10/2015 14:22
Naphthalene	ND	H	0.25	1	02/10/2015 14:22
n-Propyl benzene	ND	H	0.25	1	02/10/2015 14:22
Styrene	ND	H	0.25	1	02/10/2015 14:22
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	02/10/2015 14:22
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	02/10/2015 14:22
Tetrachloroethene	**0.41**	H	0.25	1	02/10/2015 14:22
Toluene	**1.3**	H	0.25	1	02/10/2015 14:22
1,2,3-Trichlorobenzene	ND	H	0.25	1	02/10/2015 14:22
1,2,4-Trichlorobenzene	ND	H	0.25	1	02/10/2015 14:22
1,1,1-Trichloroethane	ND	H	0.25	1	02/10/2015 14:22
1,1,2-Trichloroethane	ND	H	0.25	1	02/10/2015 14:22
Trichloroethene	ND	H	0.25	1	02/10/2015 14:22
Trichlorofluoromethane	ND	H	0.25	1	02/10/2015 14:22
1,2,3-Trichloropropane	ND	H	0.25	1	02/10/2015 14:22
1,2,4-Trimethylbenzene	**0.35**	H	0.25	1	02/10/2015 14:22
1,3,5-Trimethylbenzene	ND	H	0.25	1	02/10/2015 14:22
Vinyl Chloride	ND	H	0.25	1	02/10/2015 14:22
Xylenes, Total	**1.6**	H	0.25	1	02/10/2015 14:22

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Angela Rydelius, Lab Manager

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B48-Vapor	**1502330-013A**	**Air**	**02/10/2015 03:54**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	96	H	70-130		02/10/2015 14:22
Toluene-d8	98	H	70-130		02/10/2015 14:22
4-BFB	88	H	70-130		02/10/2015 14:22

Analyst(s): AK

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B49-Vapor	**1502330-014A**	**Air**	**02/10/2015 04:04**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acetone	ND	H	5.0	1	02/10/2015 15:03
tert-Amyl methyl ether (TAME)	ND	H	0.25	1	02/10/2015 15:03
Benzene	ND	H	0.25	1	02/10/2015 15:03
Bromobenzene	ND	H	0.25	1	02/10/2015 15:03
Bromochloromethane	ND	H	0.25	1	02/10/2015 15:03
Bromodichloromethane	ND	H	0.25	1	02/10/2015 15:03
Bromoform	ND	H	0.25	1	02/10/2015 15:03
Bromomethane	ND	H	0.25	1	02/10/2015 15:03
2-Butanone (MEK)	ND	H	1.0	1	02/10/2015 15:03
t-Butyl alcohol (TBA)	ND	H	2.5	1	02/10/2015 15:03
n-Butyl benzene	ND	H	0.25	1	02/10/2015 15:03
sec-Butyl benzene	ND	H	0.25	1	02/10/2015 15:03
tert-Butyl benzene	ND	H	0.25	1	02/10/2015 15:03
Carbon Disulfide	ND	H	0.25	1	02/10/2015 15:03
Carbon Tetrachloride	ND	H	0.25	1	02/10/2015 15:03
Chlorobenzene	ND	H	0.25	1	02/10/2015 15:03
Chloroethane	ND	H	0.25	1	02/10/2015 15:03
Chloroform	ND	H	0.25	1	02/10/2015 15:03
Chloromethane	ND	H	0.25	1	02/10/2015 15:03
2-Chlorotoluene	ND	H	0.25	1	02/10/2015 15:03
4-Chlorotoluene	ND	H	0.25	1	02/10/2015 15:03
Dibromochloromethane	ND	H	0.25	1	02/10/2015 15:03
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	02/10/2015 15:03
1,2-Dibromoethane (EDB)	ND	H	0.25	1	02/10/2015 15:03
Dibromomethane	ND	H	0.25	1	02/10/2015 15:03
1,2-Dichlorobenzene	ND	H	0.25	1	02/10/2015 15:03
1,3-Dichlorobenzene	ND	H	0.25	1	02/10/2015 15:03
1,4-Dichlorobenzene	ND	H	0.25	1	02/10/2015 15:03
Dichlorodifluoromethane	ND	H	0.25	1	02/10/2015 15:03
1,1-Dichloroethane	ND	H	0.25	1	02/10/2015 15:03
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	02/10/2015 15:03
1,1-Dichloroethene	ND	H	0.25	1	02/10/2015 15:03
cis-1,2-Dichloroethene	ND	H	0.25	1	02/10/2015 15:03
trans-1,2-Dichloroethene	ND	H	0.25	1	02/10/2015 15:03
1,2-Dichloropropane	ND	H	0.25	1	02/10/2015 15:03
1,3-Dichloropropane	ND	H	0.25	1	02/10/2015 15:03
2,2-Dichloropropane	ND	H	0.25	1	02/10/2015 15:03
1,1-Dichloropropene	ND	H	0.25	1	02/10/2015 15:03

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B49-Vapor	**1502330-014A**	**Air**	**02/10/2015 04:04**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	H	0.25	1	02/10/2015 15:03
trans-1,3-Dichloropropene	ND	H	0.25	1	02/10/2015 15:03
Diisopropyl ether (DIPE)	ND	H	0.25	1	02/10/2015 15:03
Ethylbenzene	ND	H	0.25	1	02/10/2015 15:03
Ethyl tert-butyl ether (ETBE)	ND	H	0.25	1	02/10/2015 15:03
Freon 113	ND	H	5.0	1	02/10/2015 15:03
Hexachlorobutadiene	ND	H	0.25	1	02/10/2015 15:03
Hexachloroethane	ND	H	0.25	1	02/10/2015 15:03
2-Hexanone	ND	H	0.25	1	02/10/2015 15:03
Isopropylbenzene	ND	H	0.25	1	02/10/2015 15:03
4-Isopropyl toluene	ND	H	0.25	1	02/10/2015 15:03
Methyl-t-butyl ether (MTBE)	ND	H	0.25	1	02/10/2015 15:03
Methylene chloride	ND	H	0.25	1	02/10/2015 15:03
4-Methyl-2-pentanone (MIBK)	ND	H	0.25	1	02/10/2015 15:03
Naphthalene	ND	H	0.25	1	02/10/2015 15:03
n-Propyl benzene	ND	H	0.25	1	02/10/2015 15:03
Styrene	ND	H	0.25	1	02/10/2015 15:03
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	02/10/2015 15:03
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	02/10/2015 15:03
Tetrachloroethene	**0.44**	H	0.25	1	02/10/2015 15:03
Toluene	**0.68**	H	0.25	1	02/10/2015 15:03
1,2,3-Trichlorobenzene	ND	H	0.25	1	02/10/2015 15:03
1,2,4-Trichlorobenzene	ND	H	0.25	1	02/10/2015 15:03
1,1,1-Trichloroethane	ND	H	0.25	1	02/10/2015 15:03
1,1,2-Trichloroethane	ND	H	0.25	1	02/10/2015 15:03
Trichloroethene	ND	H	0.25	1	02/10/2015 15:03
Trichlorofluoromethane	ND	H	0.25	1	02/10/2015 15:03
1,2,3-Trichloropropane	ND	H	0.25	1	02/10/2015 15:03
1,2,4-Trimethylbenzene	ND	H	0.25	1	02/10/2015 15:03
1,3,5-Trimethylbenzene	ND	H	0.25	1	02/10/2015 15:03
Vinyl Chloride	ND	H	0.25	1	02/10/2015 15:03
Xylenes, Total	**0.85**	H	0.25	1	02/10/2015 15:03

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B49-Vapor	**1502330-014A**	**Air**	**02/10/2015 04:04**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	94	H	70-130		02/10/2015 15:03
Toluene-d8	98	H	70-130		02/10/2015 15:03
4-BFB	91	H	70-130		02/10/2015 15:03

Analyst(s): AK

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B50-Vapor	**1502330-015A**	**Air**	**02/10/2015 04:15**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acetone	ND	H	5.0	1	02/10/2015 15:42
tert-Amyl methyl ether (TAME)	ND	H	0.25	1	02/10/2015 15:42
Benzene	ND	H	0.25	1	02/10/2015 15:42
Bromobenzene	ND	H	0.25	1	02/10/2015 15:42
Bromochloromethane	ND	H	0.25	1	02/10/2015 15:42
Bromodichloromethane	ND	H	0.25	1	02/10/2015 15:42
Bromoform	ND	H	0.25	1	02/10/2015 15:42
Bromomethane	ND	H	0.25	1	02/10/2015 15:42
2-Butanone (MEK)	ND	H	1.0	1	02/10/2015 15:42
t-Butyl alcohol (TBA)	ND	H	2.5	1	02/10/2015 15:42
n-Butyl benzene	ND	H	0.25	1	02/10/2015 15:42
sec-Butyl benzene	ND	H	0.25	1	02/10/2015 15:42
tert-Butyl benzene	ND	H	0.25	1	02/10/2015 15:42
Carbon Disulfide	ND	H	0.25	1	02/10/2015 15:42
Carbon Tetrachloride	ND	H	0.25	1	02/10/2015 15:42
Chlorobenzene	ND	H	0.25	1	02/10/2015 15:42
Chloroethane	ND	H	0.25	1	02/10/2015 15:42
Chloroform	ND	H	0.25	1	02/10/2015 15:42
Chloromethane	ND	H	0.25	1	02/10/2015 15:42
2-Chlorotoluene	ND	H	0.25	1	02/10/2015 15:42
4-Chlorotoluene	ND	H	0.25	1	02/10/2015 15:42
Dibromochloromethane	ND	H	0.25	1	02/10/2015 15:42
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	02/10/2015 15:42
1,2-Dibromoethane (EDB)	ND	H	0.25	1	02/10/2015 15:42
Dibromomethane	ND	H	0.25	1	02/10/2015 15:42
1,2-Dichlorobenzene	ND	H	0.25	1	02/10/2015 15:42
1,3-Dichlorobenzene	ND	H	0.25	1	02/10/2015 15:42
1,4-Dichlorobenzene	ND	H	0.25	1	02/10/2015 15:42
Dichlorodifluoromethane	ND	H	0.25	1	02/10/2015 15:42
1,1-Dichloroethane	ND	H	0.25	1	02/10/2015 15:42
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	02/10/2015 15:42
1,1-Dichloroethene	ND	H	0.25	1	02/10/2015 15:42
cis-1,2-Dichloroethene	ND	H	0.25	1	02/10/2015 15:42
trans-1,2-Dichloroethene	ND	H	0.25	1	02/10/2015 15:42
1,2-Dichloropropane	ND	H	0.25	1	02/10/2015 15:42
1,3-Dichloropropane	ND	H	0.25	1	02/10/2015 15:42
2,2-Dichloropropane	ND	H	0.25	1	02/10/2015 15:42
1,1-Dichloropropene	ND	H	0.25	1	02/10/2015 15:42

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B50-Vapor	**1502330-015A**	**Air**	**02/10/2015 04:15**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	H	0.25	1	02/10/2015 15:42
trans-1,3-Dichloropropene	ND	H	0.25	1	02/10/2015 15:42
Diisopropyl ether (DIPE)	ND	H	0.25	1	02/10/2015 15:42
Ethylbenzene	**0.30**	H	0.25	1	02/10/2015 15:42
Ethyl tert-butyl ether (ETBE)	ND	H	0.25	1	02/10/2015 15:42
Freon 113	ND	H	5.0	1	02/10/2015 15:42
Hexachlorobutadiene	ND	H	0.25	1	02/10/2015 15:42
Hexachloroethane	ND	H	0.25	1	02/10/2015 15:42
2-Hexanone	ND	H	0.25	1	02/10/2015 15:42
Isopropylbenzene	ND	H	0.25	1	02/10/2015 15:42
4-Isopropyl toluene	ND	H	0.25	1	02/10/2015 15:42
Methyl-t-butyl ether (MTBE)	ND	H	0.25	1	02/10/2015 15:42
Methylene chloride	ND	H	0.25	1	02/10/2015 15:42
4-Methyl-2-pentanone (MIBK)	ND	H	0.25	1	02/10/2015 15:42
Naphthalene	ND	H	0.25	1	02/10/2015 15:42
n-Propyl benzene	ND	H	0.25	1	02/10/2015 15:42
Styrene	ND	H	0.25	1	02/10/2015 15:42
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	02/10/2015 15:42
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	02/10/2015 15:42
Tetrachloroethene	**1.5**	H	0.25	1	02/10/2015 15:42
Toluene	**1.2**	H	0.25	1	02/10/2015 15:42
1,2,3-Trichlorobenzene	ND	H	0.25	1	02/10/2015 15:42
1,2,4-Trichlorobenzene	ND	H	0.25	1	02/10/2015 15:42
1,1,1-Trichloroethane	ND	H	0.25	1	02/10/2015 15:42
1,1,2-Trichloroethane	ND	H	0.25	1	02/10/2015 15:42
Trichloroethene	ND	H	0.25	1	02/10/2015 15:42
Trichlorofluoromethane	ND	H	0.25	1	02/10/2015 15:42
1,2,3-Trichloropropane	ND	H	0.25	1	02/10/2015 15:42
1,2,4-Trimethylbenzene	**0.40**	H	0.25	1	02/10/2015 15:42
1,3,5-Trimethylbenzene	ND	H	0.25	1	02/10/2015 15:42
Vinyl Chloride	ND	H	0.25	1	02/10/2015 15:42
Xylenes, Total	**1.6**	H	0.25	1	02/10/2015 15:42

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/L

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B50-Vapor	**1502330-015A**	**Air**	**02/10/2015 04:15**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	95	H	70-130		02/10/2015 15:42
Toluene-d8	98	H	70-130		02/10/2015 15:42
4-BFB	90	H	70-130		02/10/2015 15:42

Analyst(s): AK

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B46-Vapor	**1502330-011A**	**Air**	**02/10/2015 03:20**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acetone	ND	H	5000	1	02/10/2015 13:05
tert-Amyl methyl ether (TAME)	ND	H	250	1	02/10/2015 13:05
Benzene	ND	H	250	1	02/10/2015 13:05
Bromobenzene	ND	H	250	1	02/10/2015 13:05
Bromochloromethane	ND	H	250	1	02/10/2015 13:05
Bromodichloromethane	ND	H	250	1	02/10/2015 13:05
Bromoform	ND	H	250	1	02/10/2015 13:05
Bromomethane	ND	H	250	1	02/10/2015 13:05
2-Butanone (MEK)	ND	H	1000	1	02/10/2015 13:05
t-Butyl alcohol (TBA)	ND	H	2500	1	02/10/2015 13:05
n-Butyl benzene	ND	H	250	1	02/10/2015 13:05
sec-Butyl benzene	ND	H	250	1	02/10/2015 13:05
tert-Butyl benzene	ND	H	250	1	02/10/2015 13:05
Carbon Disulfide	ND	H	250	1	02/10/2015 13:05
Carbon Tetrachloride	ND	H	250	1	02/10/2015 13:05
Chlorobenzene	ND	H	250	1	02/10/2015 13:05
Chloroethane	ND	H	250	1	02/10/2015 13:05
Chloroform	ND	H	250	1	02/10/2015 13:05
Chloromethane	ND	H	250	1	02/10/2015 13:05
2-Chlorotoluene	ND	H	250	1	02/10/2015 13:05
4-Chlorotoluene	ND	H	250	1	02/10/2015 13:05
Dibromochloromethane	ND	H	250	1	02/10/2015 13:05
1,2-Dibromo-3-chloropropane	ND	H	250	1	02/10/2015 13:05
1,2-Dibromoethane (EDB)	ND	H	250	1	02/10/2015 13:05
Dibromomethane	ND	H	250	1	02/10/2015 13:05
1,2-Dichlorobenzene	ND	H	250	1	02/10/2015 13:05
1,3-Dichlorobenzene	ND	H	250	1	02/10/2015 13:05
1,4-Dichlorobenzene	ND	H	250	1	02/10/2015 13:05
Dichlorodifluoromethane	ND	H	250	1	02/10/2015 13:05
1,1-Dichloroethane	ND	H	250	1	02/10/2015 13:05
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	02/10/2015 13:05
1,1-Dichloroethene	ND	H	250	1	02/10/2015 13:05
cis-1,2-Dichloroethene	ND	H	250	1	02/10/2015 13:05
trans-1,2-Dichloroethene	ND	H	250	1	02/10/2015 13:05
1,2-Dichloropropane	ND	H	250	1	02/10/2015 13:05
1,3-Dichloropropane	ND	H	250	1	02/10/2015 13:05
2,2-Dichloropropane	ND	H	250	1	02/10/2015 13:05
1,1-Dichloropropene	ND	H	250	1	02/10/2015 13:05

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B46-Vapor	**1502330-011A**	**Air**	**02/10/2015 03:20**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	H	250	1	02/10/2015 13:05
trans-1,3-Dichloropropene	ND	H	250	1	02/10/2015 13:05
Diisopropyl ether (DIPE)	ND	H	250	1	02/10/2015 13:05
Ethylbenzene	**400**	H	250	1	02/10/2015 13:05
Ethyl tert-butyl ether (ETBE)	ND	H	250	1	02/10/2015 13:05
Freon 113	ND	H	5000	1	02/10/2015 13:05
Hexachlorobutadiene	ND	H	250	1	02/10/2015 13:05
Hexachloroethane	ND	H	250	1	02/10/2015 13:05
2-Hexanone	ND	H	250	1	02/10/2015 13:05
Isopropylbenzene	ND	H	250	1	02/10/2015 13:05
4-Isopropyl toluene	ND	H	250	1	02/10/2015 13:05
Methyl-t-butyl ether (MTBE)	ND	H	250	1	02/10/2015 13:05
Methylene chloride	ND	H	250	1	02/10/2015 13:05
4-Methyl-2-pentanone (MIBK)	ND	H	250	1	02/10/2015 13:05
Naphthalene	ND	H	250	1	02/10/2015 13:05
n-Propyl benzene	ND	H	250	1	02/10/2015 13:05
Styrene	ND	H	250	1	02/10/2015 13:05
1,1,1,2-Tetrachloroethane	ND	H	250	1	02/10/2015 13:05
1,1,2,2-Tetrachloroethane	ND	H	250	1	02/10/2015 13:05
Tetrachloroethene	**1400**	H	250	1	02/10/2015 13:05
Toluene	**1900**	H	250	1	02/10/2015 13:05
1,2,3-Trichlorobenzene	ND	H	250	1	02/10/2015 13:05
1,2,4-Trichlorobenzene	ND	H	250	1	02/10/2015 13:05
1,1,1-Trichloroethane	ND	H	250	1	02/10/2015 13:05
1,1,2-Trichloroethane	ND	H	250	1	02/10/2015 13:05
Trichloroethene	ND	H	250	1	02/10/2015 13:05
Trichlorofluoromethane	ND	H	250	1	02/10/2015 13:05
1,2,3-Trichloropropane	ND	H	250	1	02/10/2015 13:05
1,2,4-Trimethylbenzene	**410**	H	250	1	02/10/2015 13:05
1,3,5-Trimethylbenzene	ND	H	250	1	02/10/2015 13:05
Vinyl Chloride	ND	H	250	1	02/10/2015 13:05
Xylenes, Total	**2000**	H	250	1	02/10/2015 13:05

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B46-Vapor	**1502330-011A**	**Air**	**02/10/2015 03:20**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	97	H	70-130		02/10/2015 13:05
Toluene-d8	98	H	70-130		02/10/2015 13:05
4-BFB	92	H	70-130		02/10/2015 13:05

Analyst(s): AK

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B47-Vapor	**1502330-012A**	**Air**	**02/10/2015 03:28**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acetone	ND	H	5000	1	02/10/2015 13:44
tert-Amyl methyl ether (TAME)	ND	H	250	1	02/10/2015 13:44
Benzene	ND	H	250	1	02/10/2015 13:44
Bromobenzene	ND	H	250	1	02/10/2015 13:44
Bromochloromethane	ND	H	250	1	02/10/2015 13:44
Bromodichloromethane	ND	H	250	1	02/10/2015 13:44
Bromoform	ND	H	250	1	02/10/2015 13:44
Bromomethane	ND	H	250	1	02/10/2015 13:44
2-Butanone (MEK)	ND	H	1000	1	02/10/2015 13:44
t-Butyl alcohol (TBA)	ND	H	2500	1	02/10/2015 13:44
n-Butyl benzene	ND	H	250	1	02/10/2015 13:44
sec-Butyl benzene	ND	H	250	1	02/10/2015 13:44
tert-Butyl benzene	ND	H	250	1	02/10/2015 13:44
Carbon Disulfide	ND	H	250	1	02/10/2015 13:44
Carbon Tetrachloride	ND	H	250	1	02/10/2015 13:44
Chlorobenzene	ND	H	250	1	02/10/2015 13:44
Chloroethane	ND	H	250	1	02/10/2015 13:44
Chloroform	ND	H	250	1	02/10/2015 13:44
Chloromethane	ND	H	250	1	02/10/2015 13:44
2-Chlorotoluene	ND	H	250	1	02/10/2015 13:44
4-Chlorotoluene	ND	H	250	1	02/10/2015 13:44
Dibromochloromethane	ND	H	250	1	02/10/2015 13:44
1,2-Dibromo-3-chloropropane	ND	H	250	1	02/10/2015 13:44
1,2-Dibromoethane (EDB)	ND	H	250	1	02/10/2015 13:44
Dibromomethane	ND	H	250	1	02/10/2015 13:44
1,2-Dichlorobenzene	ND	H	250	1	02/10/2015 13:44
1,3-Dichlorobenzene	ND	H	250	1	02/10/2015 13:44
1,4-Dichlorobenzene	ND	H	250	1	02/10/2015 13:44
Dichlorodifluoromethane	ND	H	250	1	02/10/2015 13:44
1,1-Dichloroethane	ND	H	250	1	02/10/2015 13:44
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	02/10/2015 13:44
1,1-Dichloroethene	ND	H	250	1	02/10/2015 13:44
cis-1,2-Dichloroethene	ND	H	250	1	02/10/2015 13:44
trans-1,2-Dichloroethene	ND	H	250	1	02/10/2015 13:44
1,2-Dichloropropane	ND	H	250	1	02/10/2015 13:44
1,3-Dichloropropane	ND	H	250	1	02/10/2015 13:44
2,2-Dichloropropane	ND	H	250	1	02/10/2015 13:44
1,1-Dichloropropene	ND	H	250	1	02/10/2015 13:44

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B47-Vapor	**1502330-012A**	**Air**	**02/10/2015 03:28**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	H	250	1	02/10/2015 13:44
trans-1,3-Dichloropropene	ND	H	250	1	02/10/2015 13:44
Diisopropyl ether (DIPE)	ND	H	250	1	02/10/2015 13:44
Ethylbenzene	**300**	H	250	1	02/10/2015 13:44
Ethyl tert-butyl ether (ETBE)	ND	H	250	1	02/10/2015 13:44
Freon 113	ND	H	5000	1	02/10/2015 13:44
Hexachlorobutadiene	ND	H	250	1	02/10/2015 13:44
Hexachloroethane	ND	H	250	1	02/10/2015 13:44
2-Hexanone	ND	H	250	1	02/10/2015 13:44
Isopropylbenzene	ND	H	250	1	02/10/2015 13:44
4-Isopropyl toluene	ND	H	250	1	02/10/2015 13:44
Methyl-t-butyl ether (MTBE)	ND	H	250	1	02/10/2015 13:44
Methylene chloride	ND	H	250	1	02/10/2015 13:44
4-Methyl-2-pentanone (MIBK)	ND	H	250	1	02/10/2015 13:44
Naphthalene	ND	H	250	1	02/10/2015 13:44
n-Propyl benzene	ND	H	250	1	02/10/2015 13:44
Styrene	ND	H	250	1	02/10/2015 13:44
1,1,1,2-Tetrachloroethane	ND	H	250	1	02/10/2015 13:44
1,1,2,2-Tetrachloroethane	ND	H	250	1	02/10/2015 13:44
Tetrachloroethene	**800**	H	250	1	02/10/2015 13:44
Toluene	**1300**	H	250	1	02/10/2015 13:44
1,2,3-Trichlorobenzene	ND	H	250	1	02/10/2015 13:44
1,2,4-Trichlorobenzene	ND	H	250	1	02/10/2015 13:44
1,1,1-Trichloroethane	ND	H	250	1	02/10/2015 13:44
1,1,2-Trichloroethane	ND	H	250	1	02/10/2015 13:44
Trichloroethene	ND	H	250	1	02/10/2015 13:44
Trichlorofluoromethane	ND	H	250	1	02/10/2015 13:44
1,2,3-Trichloropropane	ND	H	250	1	02/10/2015 13:44
1,2,4-Trimethylbenzene	**300**	H	250	1	02/10/2015 13:44
1,3,5-Trimethylbenzene	ND	H	250	1	02/10/2015 13:44
Vinyl Chloride	ND	H	250	1	02/10/2015 13:44
Xylenes, Total	**1500**	H	250	1	02/10/2015 13:44

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Angela Rydelius, Lab Manager

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B47-Vapor	**1502330-012A**	**Air**	**02/10/2015 03:28**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	95	H	70-130		02/10/2015 13:44
Toluene-d8	97	H	70-130		02/10/2015 13:44
4-BFB	91	H	70-130		02/10/2015 13:44

Analyst(s): AK

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B48-Vapor	**1502330-013A**	**Air**	**02/10/2015 03:54**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acetone	ND	H	5000	1	02/10/2015 14:22
tert-Amyl methyl ether (TAME)	ND	H	250	1	02/10/2015 14:22
Benzene	ND	H	250	1	02/10/2015 14:22
Bromobenzene	ND	H	250	1	02/10/2015 14:22
Bromochloromethane	ND	H	250	1	02/10/2015 14:22
Bromodichloromethane	ND	H	250	1	02/10/2015 14:22
Bromoform	ND	H	250	1	02/10/2015 14:22
Bromomethane	ND	H	250	1	02/10/2015 14:22
2-Butanone (MEK)	ND	H	1000	1	02/10/2015 14:22
t-Butyl alcohol (TBA)	ND	H	2500	1	02/10/2015 14:22
n-Butyl benzene	ND	H	250	1	02/10/2015 14:22
sec-Butyl benzene	ND	H	250	1	02/10/2015 14:22
tert-Butyl benzene	ND	H	250	1	02/10/2015 14:22
Carbon Disulfide	ND	H	250	1	02/10/2015 14:22
Carbon Tetrachloride	ND	H	250	1	02/10/2015 14:22
Chlorobenzene	ND	H	250	1	02/10/2015 14:22
Chloroethane	ND	H	250	1	02/10/2015 14:22
Chloroform	ND	H	250	1	02/10/2015 14:22
Chloromethane	ND	H	250	1	02/10/2015 14:22
2-Chlorotoluene	ND	H	250	1	02/10/2015 14:22
4-Chlorotoluene	ND	H	250	1	02/10/2015 14:22
Dibromochloromethane	ND	H	250	1	02/10/2015 14:22
1,2-Dibromo-3-chloropropane	ND	H	250	1	02/10/2015 14:22
1,2-Dibromoethane (EDB)	ND	H	250	1	02/10/2015 14:22
Dibromomethane	ND	H	250	1	02/10/2015 14:22
1,2-Dichlorobenzene	ND	H	250	1	02/10/2015 14:22
1,3-Dichlorobenzene	ND	H	250	1	02/10/2015 14:22
1,4-Dichlorobenzene	ND	H	250	1	02/10/2015 14:22
Dichlorodifluoromethane	ND	H	250	1	02/10/2015 14:22
1,1-Dichloroethane	ND	H	250	1	02/10/2015 14:22
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	02/10/2015 14:22
1,1-Dichloroethene	ND	H	250	1	02/10/2015 14:22
cis-1,2-Dichloroethene	ND	H	250	1	02/10/2015 14:22
trans-1,2-Dichloroethene	ND	H	250	1	02/10/2015 14:22
1,2-Dichloropropane	ND	H	250	1	02/10/2015 14:22
1,3-Dichloropropane	ND	H	250	1	02/10/2015 14:22
2,2-Dichloropropane	ND	H	250	1	02/10/2015 14:22
1,1-Dichloropropene	ND	H	250	1	02/10/2015 14:22

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B48-Vapor	**1502330-013A**	**Air**	**02/10/2015 03:54**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	H	250	1	02/10/2015 14:22
trans-1,3-Dichloropropene	ND	H	250	1	02/10/2015 14:22
Diisopropyl ether (DIPE)	ND	H	250	1	02/10/2015 14:22
Ethylbenzene	**310**	H	250	1	02/10/2015 14:22
Ethyl tert-butyl ether (ETBE)	ND	H	250	1	02/10/2015 14:22
Freon 113	ND	H	5000	1	02/10/2015 14:22
Hexachlorobutadiene	ND	H	250	1	02/10/2015 14:22
Hexachloroethane	ND	H	250	1	02/10/2015 14:22
2-Hexanone	ND	H	250	1	02/10/2015 14:22
Isopropylbenzene	ND	H	250	1	02/10/2015 14:22
4-Isopropyl toluene	ND	H	250	1	02/10/2015 14:22
Methyl-t-butyl ether (MTBE)	ND	H	250	1	02/10/2015 14:22
Methylene chloride	ND	H	250	1	02/10/2015 14:22
4-Methyl-2-pentanone (MIBK)	ND	H	250	1	02/10/2015 14:22
Naphthalene	ND	H	250	1	02/10/2015 14:22
n-Propyl benzene	ND	H	250	1	02/10/2015 14:22
Styrene	ND	H	250	1	02/10/2015 14:22
1,1,1,2-Tetrachloroethane	ND	H	250	1	02/10/2015 14:22
1,1,2,2-Tetrachloroethane	ND	H	250	1	02/10/2015 14:22
Tetrachloroethene	**410**	H	250	1	02/10/2015 14:22
Toluene	**1300**	H	250	1	02/10/2015 14:22
1,2,3-Trichlorobenzene	ND	H	250	1	02/10/2015 14:22
1,2,4-Trichlorobenzene	ND	H	250	1	02/10/2015 14:22
1,1,1-Trichloroethane	ND	H	250	1	02/10/2015 14:22
1,1,2-Trichloroethane	ND	H	250	1	02/10/2015 14:22
Trichloroethene	ND	H	250	1	02/10/2015 14:22
Trichlorofluoromethane	ND	H	250	1	02/10/2015 14:22
1,2,3-Trichloropropane	ND	H	250	1	02/10/2015 14:22
1,2,4-Trimethylbenzene	**350**	H	250	1	02/10/2015 14:22
1,3,5-Trimethylbenzene	ND	H	250	1	02/10/2015 14:22
Vinyl Chloride	ND	H	250	1	02/10/2015 14:22
Xylenes, Total	**1600**	H	250	1	02/10/2015 14:22

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B48-Vapor	**1502330-013A**	**Air**	**02/10/2015 03:54**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	96	H	70-130		02/10/2015 14:22
Toluene-d8	98	H	70-130		02/10/2015 14:22
4-BFB	88	H	70-130		02/10/2015 14:22

Analyst(s): AK

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B49-Vapor	**1502330-014A**	**Air**	**02/10/2015 04:04**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acetone	ND	H	5000	1	02/10/2015 15:03
tert-Amyl methyl ether (TAME)	ND	H	250	1	02/10/2015 15:03
Benzene	ND	H	250	1	02/10/2015 15:03
Bromobenzene	ND	H	250	1	02/10/2015 15:03
Bromochloromethane	ND	H	250	1	02/10/2015 15:03
Bromodichloromethane	ND	H	250	1	02/10/2015 15:03
Bromoform	ND	H	250	1	02/10/2015 15:03
Bromomethane	ND	H	250	1	02/10/2015 15:03
2-Butanone (MEK)	ND	H	1000	1	02/10/2015 15:03
t-Butyl alcohol (TBA)	ND	H	2500	1	02/10/2015 15:03
n-Butyl benzene	ND	H	250	1	02/10/2015 15:03
sec-Butyl benzene	ND	H	250	1	02/10/2015 15:03
tert-Butyl benzene	ND	H	250	1	02/10/2015 15:03
Carbon Disulfide	ND	H	250	1	02/10/2015 15:03
Carbon Tetrachloride	ND	H	250	1	02/10/2015 15:03
Chlorobenzene	ND	H	250	1	02/10/2015 15:03
Chloroethane	ND	H	250	1	02/10/2015 15:03
Chloroform	ND	H	250	1	02/10/2015 15:03
Chloromethane	ND	H	250	1	02/10/2015 15:03
2-Chlorotoluene	ND	H	250	1	02/10/2015 15:03
4-Chlorotoluene	ND	H	250	1	02/10/2015 15:03
Dibromochloromethane	ND	H	250	1	02/10/2015 15:03
1,2-Dibromo-3-chloropropane	ND	H	250	1	02/10/2015 15:03
1,2-Dibromoethane (EDB)	ND	H	250	1	02/10/2015 15:03
Dibromomethane	ND	H	250	1	02/10/2015 15:03
1,2-Dichlorobenzene	ND	H	250	1	02/10/2015 15:03
1,3-Dichlorobenzene	ND	H	250	1	02/10/2015 15:03
1,4-Dichlorobenzene	ND	H	250	1	02/10/2015 15:03
Dichlorodifluoromethane	ND	H	250	1	02/10/2015 15:03
1,1-Dichloroethane	ND	H	250	1	02/10/2015 15:03
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	02/10/2015 15:03
1,1-Dichloroethene	ND	H	250	1	02/10/2015 15:03
cis-1,2-Dichloroethene	ND	H	250	1	02/10/2015 15:03
trans-1,2-Dichloroethene	ND	H	250	1	02/10/2015 15:03
1,2-Dichloropropane	ND	H	250	1	02/10/2015 15:03
1,3-Dichloropropane	ND	H	250	1	02/10/2015 15:03
2,2-Dichloropropane	ND	H	250	1	02/10/2015 15:03
1,1-Dichloropropene	ND	H	250	1	02/10/2015 15:03

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B49-Vapor	**1502330-014A**	**Air**	**02/10/2015 04:04**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	H	250	1	02/10/2015 15:03
trans-1,3-Dichloropropene	ND	H	250	1	02/10/2015 15:03
Diisopropyl ether (DIPE)	ND	H	250	1	02/10/2015 15:03
Ethylbenzene	ND	H	250	1	02/10/2015 15:03
Ethyl tert-butyl ether (ETBE)	ND	H	250	1	02/10/2015 15:03
Freon 113	ND	H	5000	1	02/10/2015 15:03
Hexachlorobutadiene	ND	H	250	1	02/10/2015 15:03
Hexachloroethane	ND	H	250	1	02/10/2015 15:03
2-Hexanone	ND	H	250	1	02/10/2015 15:03
Isopropylbenzene	ND	H	250	1	02/10/2015 15:03
4-Isopropyl toluene	ND	H	250	1	02/10/2015 15:03
Methyl-t-butyl ether (MTBE)	ND	H	250	1	02/10/2015 15:03
Methylene chloride	ND	H	250	1	02/10/2015 15:03
4-Methyl-2-pentanone (MIBK)	ND	H	250	1	02/10/2015 15:03
Naphthalene	ND	H	250	1	02/10/2015 15:03
n-Propyl benzene	ND	H	250	1	02/10/2015 15:03
Styrene	ND	H	250	1	02/10/2015 15:03
1,1,1,2-Tetrachloroethane	ND	H	250	1	02/10/2015 15:03
1,1,2,2-Tetrachloroethane	ND	H	250	1	02/10/2015 15:03
Tetrachloroethene	**440**	H	250	1	02/10/2015 15:03
Toluene	**680**	H	250	1	02/10/2015 15:03
1,2,3-Trichlorobenzene	ND	H	250	1	02/10/2015 15:03
1,2,4-Trichlorobenzene	ND	H	250	1	02/10/2015 15:03
1,1,1-Trichloroethane	ND	H	250	1	02/10/2015 15:03
1,1,2-Trichloroethane	ND	H	250	1	02/10/2015 15:03
Trichloroethene	ND	H	250	1	02/10/2015 15:03
Trichlorofluoromethane	ND	H	250	1	02/10/2015 15:03
1,2,3-Trichloropropane	ND	H	250	1	02/10/2015 15:03
1,2,4-Trimethylbenzene	ND	H	250	1	02/10/2015 15:03
1,3,5-Trimethylbenzene	ND	H	250	1	02/10/2015 15:03
Vinyl Chloride	ND	H	250	1	02/10/2015 15:03
Xylenes, Total	**850**	H	250	1	02/10/2015 15:03

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B49-Vapor	**1502330-014A**	**Air**	**02/10/2015 04:04**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	94	H	70-130		02/10/2015 15:03
Toluene-d8	98	H	70-130		02/10/2015 15:03
4-BFB	91	H	70-130		02/10/2015 15:03

Analyst(s): AK

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Angela Rydelius, Lab Manager

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B50-Vapor	**1502330-015A**	**Air**	**02/10/2015 04:15**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Acetone	ND	H	5000	1	02/10/2015 15:42
tert-Amyl methyl ether (TAME)	ND	H	250	1	02/10/2015 15:42
Benzene	ND	H	250	1	02/10/2015 15:42
Bromobenzene	ND	H	250	1	02/10/2015 15:42
Bromochloromethane	ND	H	250	1	02/10/2015 15:42
Bromodichloromethane	ND	H	250	1	02/10/2015 15:42
Bromoform	ND	H	250	1	02/10/2015 15:42
Bromomethane	ND	H	250	1	02/10/2015 15:42
2-Butanone (MEK)	ND	H	1000	1	02/10/2015 15:42
t-Butyl alcohol (TBA)	ND	H	2500	1	02/10/2015 15:42
n-Butyl benzene	ND	H	250	1	02/10/2015 15:42
sec-Butyl benzene	ND	H	250	1	02/10/2015 15:42
tert-Butyl benzene	ND	H	250	1	02/10/2015 15:42
Carbon Disulfide	ND	H	250	1	02/10/2015 15:42
Carbon Tetrachloride	ND	H	250	1	02/10/2015 15:42
Chlorobenzene	ND	H	250	1	02/10/2015 15:42
Chloroethane	ND	H	250	1	02/10/2015 15:42
Chloroform	ND	H	250	1	02/10/2015 15:42
Chloromethane	ND	H	250	1	02/10/2015 15:42
2-Chlorotoluene	ND	H	250	1	02/10/2015 15:42
4-Chlorotoluene	ND	H	250	1	02/10/2015 15:42
Dibromochloromethane	ND	H	250	1	02/10/2015 15:42
1,2-Dibromo-3-chloropropane	ND	H	250	1	02/10/2015 15:42
1,2-Dibromoethane (EDB)	ND	H	250	1	02/10/2015 15:42
Dibromomethane	ND	H	250	1	02/10/2015 15:42
1,2-Dichlorobenzene	ND	H	250	1	02/10/2015 15:42
1,3-Dichlorobenzene	ND	H	250	1	02/10/2015 15:42
1,4-Dichlorobenzene	ND	H	250	1	02/10/2015 15:42
Dichlorodifluoromethane	ND	H	250	1	02/10/2015 15:42
1,1-Dichloroethane	ND	H	250	1	02/10/2015 15:42
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	02/10/2015 15:42
1,1-Dichloroethene	ND	H	250	1	02/10/2015 15:42
cis-1,2-Dichloroethene	ND	H	250	1	02/10/2015 15:42
trans-1,2-Dichloroethene	ND	H	250	1	02/10/2015 15:42
1,2-Dichloropropane	ND	H	250	1	02/10/2015 15:42
1,3-Dichloropropane	ND	H	250	1	02/10/2015 15:42
2,2-Dichloropropane	ND	H	250	1	02/10/2015 15:42
1,1-Dichloropropene	ND	H	250	1	02/10/2015 15:42

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B50-Vapor	**1502330-015A**	**Air**	**02/10/2015 04:15**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	H	250	1	02/10/2015 15:42
trans-1,3-Dichloropropene	ND	H	250	1	02/10/2015 15:42
Diisopropyl ether (DIPE)	ND	H	250	1	02/10/2015 15:42
Ethylbenzene	**300**	H	250	1	02/10/2015 15:42
Ethyl tert-butyl ether (ETBE)	ND	H	250	1	02/10/2015 15:42
Freon 113	ND	H	5000	1	02/10/2015 15:42
Hexachlorobutadiene	ND	H	250	1	02/10/2015 15:42
Hexachloroethane	ND	H	250	1	02/10/2015 15:42
2-Hexanone	ND	H	250	1	02/10/2015 15:42
Isopropylbenzene	ND	H	250	1	02/10/2015 15:42
4-Isopropyl toluene	ND	H	250	1	02/10/2015 15:42
Methyl-t-butyl ether (MTBE)	ND	H	250	1	02/10/2015 15:42
Methylene chloride	ND	H	250	1	02/10/2015 15:42
4-Methyl-2-pentanone (MIBK)	ND	H	250	1	02/10/2015 15:42
Naphthalene	ND	H	250	1	02/10/2015 15:42
n-Propyl benzene	ND	H	250	1	02/10/2015 15:42
Styrene	ND	H	250	1	02/10/2015 15:42
1,1,1,2-Tetrachloroethane	ND	H	250	1	02/10/2015 15:42
1,1,2,2-Tetrachloroethane	ND	H	250	1	02/10/2015 15:42
Tetrachloroethene	**1500**	H	250	1	02/10/2015 15:42
Toluene	**1200**	H	250	1	02/10/2015 15:42
1,2,3-Trichlorobenzene	ND	H	250	1	02/10/2015 15:42
1,2,4-Trichlorobenzene	ND	H	250	1	02/10/2015 15:42
1,1,1-Trichloroethane	ND	H	250	1	02/10/2015 15:42
1,1,2-Trichloroethane	ND	H	250	1	02/10/2015 15:42
Trichloroethene	ND	H	250	1	02/10/2015 15:42
Trichlorofluoromethane	ND	H	250	1	02/10/2015 15:42
1,2,3-Trichloropropane	ND	H	250	1	02/10/2015 15:42
1,2,4-Trimethylbenzene	**400**	H	250	1	02/10/2015 15:42
1,3,5-Trimethylbenzene	ND	H	250	1	02/10/2015 15:42
Vinyl Chloride	ND	H	250	1	02/10/2015 15:42
Xylenes, Total	**1600**	H	250	1	02/10/2015 15:42

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15	**Unit:**	µg/m³

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B50-Vapor	**1502330-015A**	**Air**	**02/10/2015 04:15**	**GC18**	**101070**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Surrogates	REC (%)	Qualifiers	Limits		
Dibromofluoromethane	95	H	70-130		02/10/2015 15:42
Toluene-d8	98	H	70-130		02/10/2015 15:42
4-BFB	90	H	70-130		02/10/2015 15:42

Analyst(s): AK

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B46-1.5-2.0	1502330-001A	Soil	02/09/2015 23:05	GC16	100997

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	02/17/2015 20:09
tert-Amyl methyl ether (TAME)	ND	0.0050	1	02/17/2015 20:09
Benzene	ND	0.0050	1	02/17/2015 20:09
Bromobenzene	ND	0.0050	1	02/17/2015 20:09
Bromochloromethane	ND	0.0050	1	02/17/2015 20:09
Bromodichloromethane	ND	0.0050	1	02/17/2015 20:09
Bromoform	ND	0.0050	1	02/17/2015 20:09
Bromomethane	ND	0.0050	1	02/17/2015 20:09
2-Butanone (MEK)	ND	0.020	1	02/17/2015 20:09
t-Butyl alcohol (TBA)	ND	0.050	1	02/17/2015 20:09
n-Butyl benzene	ND	0.0050	1	02/17/2015 20:09
sec-Butyl benzene	ND	0.0050	1	02/17/2015 20:09
tert-Butyl benzene	ND	0.0050	1	02/17/2015 20:09
Carbon Disulfide	ND	0.0050	1	02/17/2015 20:09
Carbon Tetrachloride	ND	0.0050	1	02/17/2015 20:09
Chlorobenzene	ND	0.0050	1	02/17/2015 20:09
Chloroethane	ND	0.0050	1	02/17/2015 20:09
Chloroform	ND	0.0050	1	02/17/2015 20:09
Chloromethane	ND	0.0050	1	02/17/2015 20:09
2-Chlorotoluene	ND	0.0050	1	02/17/2015 20:09
4-Chlorotoluene	ND	0.0050	1	02/17/2015 20:09
Dibromochloromethane	ND	0.0050	1	02/17/2015 20:09
1,2-Dibromo-3-chloropropane	ND	0.0040	1	02/17/2015 20:09
1,2-Dibromoethane (EDB)	ND	0.0040	1	02/17/2015 20:09
Dibromomethane	ND	0.0050	1	02/17/2015 20:09
1,2-Dichlorobenzene	ND	0.0050	1	02/17/2015 20:09
1,3-Dichlorobenzene	ND	0.0050	1	02/17/2015 20:09
1,4-Dichlorobenzene	ND	0.0050	1	02/17/2015 20:09
Dichlorodifluoromethane	ND	0.0050	1	02/17/2015 20:09
1,1-Dichloroethane	ND	0.0050	1	02/17/2015 20:09
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	02/17/2015 20:09
1,1-Dichloroethene	ND	0.0050	1	02/17/2015 20:09
cis-1,2-Dichloroethene	ND	0.0050	1	02/17/2015 20:09
trans-1,2-Dichloroethene	ND	0.0050	1	02/17/2015 20:09
1,2-Dichloropropane	ND	0.0050	1	02/17/2015 20:09
1,3-Dichloropropane	ND	0.0050	1	02/17/2015 20:09
2,2-Dichloropropane	ND	0.0050	1	02/17/2015 20:09
1,1-Dichloropropene	ND	0.0050	1	02/17/2015 20:09

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B46-1.5-2.0	**1502330-001A**	**Soil**	**02/09/2015 23:05**	**GC16**	**100997**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	02/17/2015 20:09
trans-1,3-Dichloropropene	ND	0.0050	1	02/17/2015 20:09
Diisopropyl ether (DIPE)	ND	0.0050	1	02/17/2015 20:09
Ethylbenzene	ND	0.0050	1	02/17/2015 20:09
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	02/17/2015 20:09
Freon 113	ND	0.0050	1	02/17/2015 20:09
Hexachlorobutadiene	ND	0.0050	1	02/17/2015 20:09
Hexachloroethane	ND	0.0050	1	02/17/2015 20:09
2-Hexanone	ND	0.0050	1	02/17/2015 20:09
Isopropylbenzene	ND	0.0050	1	02/17/2015 20:09
4-Isopropyl toluene	ND	0.0050	1	02/17/2015 20:09
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	02/17/2015 20:09
Methylene chloride	ND	0.0050	1	02/17/2015 20:09
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	02/17/2015 20:09
Naphthalene	ND	0.0050	1	02/17/2015 20:09
n-Propyl benzene	ND	0.0050	1	02/17/2015 20:09
Styrene	ND	0.0050	1	02/17/2015 20:09
1,1,1,2-Tetrachloroethane	ND	0.0050	1	02/17/2015 20:09
1,1,2,2-Tetrachloroethane	ND	0.0050	1	02/17/2015 20:09
Tetrachloroethene	ND	0.0050	1	02/17/2015 20:09
Toluene	ND	0.0050	1	02/17/2015 20:09
1,2,3-Trichlorobenzene	ND	0.0050	1	02/17/2015 20:09
1,2,4-Trichlorobenzene	ND	0.0050	1	02/17/2015 20:09
1,1,1-Trichloroethane	ND	0.0050	1	02/17/2015 20:09
1,1,2-Trichloroethane	ND	0.0050	1	02/17/2015 20:09
Trichloroethene	ND	0.0050	1	02/17/2015 20:09
Trichlorofluoromethane	ND	0.0050	1	02/17/2015 20:09
1,2,3-Trichloropropane	ND	0.0050	1	02/17/2015 20:09
1,2,4-Trimethylbenzene	ND	0.0050	1	02/17/2015 20:09
1,3,5-Trimethylbenzene	ND	0.0050	1	02/17/2015 20:09
Vinyl Chloride	ND	0.0050	1	02/17/2015 20:09
Xylenes, Total	ND	0.0050	1	02/17/2015 20:09

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B46-1.5-2.0	**1502330-001A**	**Soil**	**02/09/2015 23:05**	**GC16**	**100997**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	94	70-130		02/17/2015 20:09
Toluene-d8	98	70-130		02/17/2015 20:09
4-BFB	96	70-130		02/17/2015 20:09

Analyst(s): KF

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B46-2.5-3.0	1502330-002A	Soil	02/09/2015 23:10	GC28	101348

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	02/19/2015 10:05
tert-Amyl methyl ether (TAME)	ND	0.0050	1	02/19/2015 10:05
Benzene	ND	0.0050	1	02/19/2015 10:05
Bromobenzene	ND	0.0050	1	02/19/2015 10:05
Bromochloromethane	ND	0.0050	1	02/19/2015 10:05
Bromodichloromethane	ND	0.0050	1	02/19/2015 10:05
Bromoform	ND	0.0050	1	02/19/2015 10:05
Bromomethane	ND	0.0050	1	02/19/2015 10:05
2-Butanone (MEK)	ND	0.020	1	02/19/2015 10:05
t-Butyl alcohol (TBA)	ND	0.050	1	02/19/2015 10:05
n-Butyl benzene	ND	0.0050	1	02/19/2015 10:05
sec-Butyl benzene	ND	0.0050	1	02/19/2015 10:05
tert-Butyl benzene	ND	0.0050	1	02/19/2015 10:05
Carbon Disulfide	ND	0.0050	1	02/19/2015 10:05
Carbon Tetrachloride	ND	0.0050	1	02/19/2015 10:05
Chlorobenzene	ND	0.0050	1	02/19/2015 10:05
Chloroethane	ND	0.0050	1	02/19/2015 10:05
Chloroform	ND	0.0050	1	02/19/2015 10:05
Chloromethane	ND	0.0050	1	02/19/2015 10:05
2-Chlorotoluene	ND	0.0050	1	02/19/2015 10:05
4-Chlorotoluene	ND	0.0050	1	02/19/2015 10:05
Dibromochloromethane	ND	0.0050	1	02/19/2015 10:05
1,2-Dibromo-3-chloropropane	ND	0.0040	1	02/19/2015 10:05
1,2-Dibromoethane (EDB)	ND	0.0040	1	02/19/2015 10:05
Dibromomethane	ND	0.0050	1	02/19/2015 10:05
1,2-Dichlorobenzene	ND	0.0050	1	02/19/2015 10:05
1,3-Dichlorobenzene	ND	0.0050	1	02/19/2015 10:05
1,4-Dichlorobenzene	ND	0.0050	1	02/19/2015 10:05
Dichlorodifluoromethane	ND	0.0050	1	02/19/2015 10:05
1,1-Dichloroethane	ND	0.0050	1	02/19/2015 10:05
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	02/19/2015 10:05
1,1-Dichloroethene	ND	0.0050	1	02/19/2015 10:05
cis-1,2-Dichloroethene	ND	0.0050	1	02/19/2015 10:05
trans-1,2-Dichloroethene	ND	0.0050	1	02/19/2015 10:05
1,2-Dichloropropane	ND	0.0050	1	02/19/2015 10:05
1,3-Dichloropropane	ND	0.0050	1	02/19/2015 10:05
2,2-Dichloropropane	ND	0.0050	1	02/19/2015 10:05
1,1-Dichloropropene	ND	0.0050	1	02/19/2015 10:05

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B46-2.5-3.0	**1502330-002A**	**Soil**	**02/09/2015 23:10**	**GC28**	**101348**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	02/19/2015 10:05
trans-1,3-Dichloropropene	ND	0.0050	1	02/19/2015 10:05
Diisopropyl ether (DIPE)	ND	0.0050	1	02/19/2015 10:05
Ethylbenzene	ND	0.0050	1	02/19/2015 10:05
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	02/19/2015 10:05
Freon 113	ND	0.0050	1	02/19/2015 10:05
Hexachlorobutadiene	ND	0.0050	1	02/19/2015 10:05
Hexachloroethane	ND	0.0050	1	02/19/2015 10:05
2-Hexanone	ND	0.0050	1	02/19/2015 10:05
Isopropylbenzene	ND	0.0050	1	02/19/2015 10:05
4-Isopropyl toluene	ND	0.0050	1	02/19/2015 10:05
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	02/19/2015 10:05
Methylene chloride	ND	0.0050	1	02/19/2015 10:05
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	02/19/2015 10:05
Naphthalene	ND	0.0050	1	02/19/2015 10:05
n-Propyl benzene	ND	0.0050	1	02/19/2015 10:05
Styrene	ND	0.0050	1	02/19/2015 10:05
1,1,1,2-Tetrachloroethane	ND	0.0050	1	02/19/2015 10:05
1,1,2,2-Tetrachloroethane	ND	0.0050	1	02/19/2015 10:05
Tetrachloroethene	ND	0.0050	1	02/19/2015 10:05
Toluene	ND	0.0050	1	02/19/2015 10:05
1,2,3-Trichlorobenzene	ND	0.0050	1	02/19/2015 10:05
1,2,4-Trichlorobenzene	ND	0.0050	1	02/19/2015 10:05
1,1,1-Trichloroethane	ND	0.0050	1	02/19/2015 10:05
1,1,2-Trichloroethane	ND	0.0050	1	02/19/2015 10:05
Trichloroethene	ND	0.0050	1	02/19/2015 10:05
Trichlorofluoromethane	ND	0.0050	1	02/19/2015 10:05
1,2,3-Trichloropropane	ND	0.0050	1	02/19/2015 10:05
1,2,4-Trimethylbenzene	ND	0.0050	1	02/19/2015 10:05
1,3,5-Trimethylbenzene	ND	0.0050	1	02/19/2015 10:05
Vinyl Chloride	ND	0.0050	1	02/19/2015 10:05
Xylenes, Total	ND	0.0050	1	02/19/2015 10:05

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B46-2.5-3.0	**1502330-002A**	**Soil**	**02/09/2015 23:10**	**GC28**	**101348**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	99	70-130		02/19/2015 10:05
Toluene-d8	121	70-130		02/19/2015 10:05
4-BFB	122	70-130		02/19/2015 10:05

Analyst(s): KBO

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B47-1.5-2.0	**1502330-003A**	**Soil**	**02/10/2015 00:20**	**GC16**	**100997**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	02/18/2015 02:30
tert-Amyl methyl ether (TAME)	ND	0.0050	1	02/18/2015 02:30
Benzene	ND	0.0050	1	02/18/2015 02:30
Bromobenzene	ND	0.0050	1	02/18/2015 02:30
Bromochloromethane	ND	0.0050	1	02/18/2015 02:30
Bromodichloromethane	ND	0.0050	1	02/18/2015 02:30
Bromoform	ND	0.0050	1	02/18/2015 02:30
Bromomethane	ND	0.0050	1	02/18/2015 02:30
2-Butanone (MEK)	ND	0.020	1	02/18/2015 02:30
t-Butyl alcohol (TBA)	ND	0.050	1	02/18/2015 02:30
n-Butyl benzene	ND	0.0050	1	02/18/2015 02:30
sec-Butyl benzene	ND	0.0050	1	02/18/2015 02:30
tert-Butyl benzene	ND	0.0050	1	02/18/2015 02:30
Carbon Disulfide	ND	0.0050	1	02/18/2015 02:30
Carbon Tetrachloride	ND	0.0050	1	02/18/2015 02:30
Chlorobenzene	ND	0.0050	1	02/18/2015 02:30
Chloroethane	ND	0.0050	1	02/18/2015 02:30
Chloroform	ND	0.0050	1	02/18/2015 02:30
Chloromethane	ND	0.0050	1	02/18/2015 02:30
2-Chlorotoluene	ND	0.0050	1	02/18/2015 02:30
4-Chlorotoluene	ND	0.0050	1	02/18/2015 02:30
Dibromochloromethane	ND	0.0050	1	02/18/2015 02:30
1,2-Dibromo-3-chloropropane	ND	0.0040	1	02/18/2015 02:30
1,2-Dibromoethane (EDB)	ND	0.0040	1	02/18/2015 02:30
Dibromomethane	ND	0.0050	1	02/18/2015 02:30
1,2-Dichlorobenzene	ND	0.0050	1	02/18/2015 02:30
1,3-Dichlorobenzene	ND	0.0050	1	02/18/2015 02:30
1,4-Dichlorobenzene	ND	0.0050	1	02/18/2015 02:30
Dichlorodifluoromethane	ND	0.0050	1	02/18/2015 02:30
1,1-Dichloroethane	ND	0.0050	1	02/18/2015 02:30
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	02/18/2015 02:30
1,1-Dichloroethene	ND	0.0050	1	02/18/2015 02:30
cis-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 02:30
trans-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 02:30
1,2-Dichloropropane	ND	0.0050	1	02/18/2015 02:30
1,3-Dichloropropane	ND	0.0050	1	02/18/2015 02:30
2,2-Dichloropropane	ND	0.0050	1	02/18/2015 02:30
1,1-Dichloropropene	ND	0.0050	1	02/18/2015 02:30

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B47-1.5-2.0	**1502330-003A**	**Soil**	**02/10/2015 00:20**	**GC16**	**100997**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 02:30
trans-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 02:30
Diisopropyl ether (DIPE)	ND	0.0050	1	02/18/2015 02:30
Ethylbenzene	ND	0.0050	1	02/18/2015 02:30
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	02/18/2015 02:30
Freon 113	ND	0.0050	1	02/18/2015 02:30
Hexachlorobutadiene	ND	0.0050	1	02/18/2015 02:30
Hexachloroethane	ND	0.0050	1	02/18/2015 02:30
2-Hexanone	ND	0.0050	1	02/18/2015 02:30
Isopropylbenzene	ND	0.0050	1	02/18/2015 02:30
4-Isopropyl toluene	ND	0.0050	1	02/18/2015 02:30
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	02/18/2015 02:30
Methylene chloride	ND	0.0050	1	02/18/2015 02:30
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	02/18/2015 02:30
Naphthalene	ND	0.0050	1	02/18/2015 02:30
n-Propyl benzene	ND	0.0050	1	02/18/2015 02:30
Styrene	ND	0.0050	1	02/18/2015 02:30
1,1,1,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 02:30
1,1,2,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 02:30
Tetrachloroethene	ND	0.0050	1	02/18/2015 02:30
Toluene	ND	0.0050	1	02/18/2015 02:30
1,2,3-Trichlorobenzene	ND	0.0050	1	02/18/2015 02:30
1,2,4-Trichlorobenzene	ND	0.0050	1	02/18/2015 02:30
1,1,1-Trichloroethane	ND	0.0050	1	02/18/2015 02:30
1,1,2-Trichloroethane	ND	0.0050	1	02/18/2015 02:30
Trichloroethene	ND	0.0050	1	02/18/2015 02:30
Trichlorofluoromethane	ND	0.0050	1	02/18/2015 02:30
1,2,3-Trichloropropane	ND	0.0050	1	02/18/2015 02:30
1,2,4-Trimethylbenzene	ND	0.0050	1	02/18/2015 02:30
1,3,5-Trimethylbenzene	ND	0.0050	1	02/18/2015 02:30
Vinyl Chloride	ND	0.0050	1	02/18/2015 02:30
Xylenes, Total	ND	0.0050	1	02/18/2015 02:30

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B47-1.5-2.0	**1502330-003A**	**Soil**	**02/10/2015 00:20**	**GC16**	**100997**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	99	70-130		02/18/2015 02:30
Toluene-d8	97	70-130		02/18/2015 02:30
4-BFB	92	70-130		02/18/2015 02:30

Analyst(s): KF

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B47-2.5-3.0	**1502330-004A**	**Soil**	**02/10/2015 00:30**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	02/18/2015 22:17
tert-Amyl methyl ether (TAME)	ND	0.0050	1	02/18/2015 22:17
Benzene	ND	0.0050	1	02/18/2015 22:17
Bromobenzene	ND	0.0050	1	02/18/2015 22:17
Bromochloromethane	ND	0.0050	1	02/18/2015 22:17
Bromodichloromethane	ND	0.0050	1	02/18/2015 22:17
Bromoform	ND	0.0050	1	02/18/2015 22:17
Bromomethane	ND	0.0050	1	02/18/2015 22:17
2-Butanone (MEK)	ND	0.020	1	02/18/2015 22:17
t-Butyl alcohol (TBA)	ND	0.050	1	02/18/2015 22:17
n-Butyl benzene	ND	0.0050	1	02/18/2015 22:17
sec-Butyl benzene	ND	0.0050	1	02/18/2015 22:17
tert-Butyl benzene	ND	0.0050	1	02/18/2015 22:17
Carbon Disulfide	ND	0.0050	1	02/18/2015 22:17
Carbon Tetrachloride	ND	0.0050	1	02/18/2015 22:17
Chlorobenzene	ND	0.0050	1	02/18/2015 22:17
Chloroethane	ND	0.0050	1	02/18/2015 22:17
Chloroform	ND	0.0050	1	02/18/2015 22:17
Chloromethane	ND	0.0050	1	02/18/2015 22:17
2-Chlorotoluene	ND	0.0050	1	02/18/2015 22:17
4-Chlorotoluene	ND	0.0050	1	02/18/2015 22:17
Dibromochloromethane	ND	0.0050	1	02/18/2015 22:17
1,2-Dibromo-3-chloropropane	ND	0.0040	1	02/18/2015 22:17
1,2-Dibromoethane (EDB)	ND	0.0040	1	02/18/2015 22:17
Dibromomethane	ND	0.0050	1	02/18/2015 22:17
1,2-Dichlorobenzene	ND	0.0050	1	02/18/2015 22:17
1,3-Dichlorobenzene	ND	0.0050	1	02/18/2015 22:17
1,4-Dichlorobenzene	ND	0.0050	1	02/18/2015 22:17
Dichlorodifluoromethane	ND	0.0050	1	02/18/2015 22:17
1,1-Dichloroethane	ND	0.0050	1	02/18/2015 22:17
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	02/18/2015 22:17
1,1-Dichloroethene	ND	0.0050	1	02/18/2015 22:17
cis-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 22:17
trans-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 22:17
1,2-Dichloropropane	ND	0.0050	1	02/18/2015 22:17
1,3-Dichloropropane	ND	0.0050	1	02/18/2015 22:17
2,2-Dichloropropane	ND	0.0050	1	02/18/2015 22:17
1,1-Dichloropropene	ND	0.0050	1	02/18/2015 22:17

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B47-2.5-3.0	**1502330-004A**	**Soil**	**02/10/2015 00:30**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 22:17
trans-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 22:17
Diisopropyl ether (DIPE)	ND	0.0050	1	02/18/2015 22:17
Ethylbenzene	ND	0.0050	1	02/18/2015 22:17
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	02/18/2015 22:17
Freon 113	ND	0.0050	1	02/18/2015 22:17
Hexachlorobutadiene	ND	0.0050	1	02/18/2015 22:17
Hexachloroethane	ND	0.0050	1	02/18/2015 22:17
2-Hexanone	ND	0.0050	1	02/18/2015 22:17
Isopropylbenzene	ND	0.0050	1	02/18/2015 22:17
4-Isopropyl toluene	ND	0.0050	1	02/18/2015 22:17
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	02/18/2015 22:17
Methylene chloride	ND	0.0050	1	02/18/2015 22:17
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	02/18/2015 22:17
Naphthalene	ND	0.0050	1	02/18/2015 22:17
n-Propyl benzene	ND	0.0050	1	02/18/2015 22:17
Styrene	ND	0.0050	1	02/18/2015 22:17
1,1,1,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 22:17
1,1,2,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 22:17
Tetrachloroethene	**0.0060**	0.0050	1	02/18/2015 22:17
Toluene	ND	0.0050	1	02/18/2015 22:17
1,2,3-Trichlorobenzene	ND	0.0050	1	02/18/2015 22:17
1,2,4-Trichlorobenzene	ND	0.0050	1	02/18/2015 22:17
1,1,1-Trichloroethane	ND	0.0050	1	02/18/2015 22:17
1,1,2-Trichloroethane	ND	0.0050	1	02/18/2015 22:17
Trichloroethene	ND	0.0050	1	02/18/2015 22:17
Trichlorofluoromethane	ND	0.0050	1	02/18/2015 22:17
1,2,3-Trichloropropane	ND	0.0050	1	02/18/2015 22:17
1,2,4-Trimethylbenzene	ND	0.0050	1	02/18/2015 22:17
1,3,5-Trimethylbenzene	ND	0.0050	1	02/18/2015 22:17
Vinyl Chloride	ND	0.0050	1	02/18/2015 22:17
Xylenes, Total	**0.0065**	0.0050	1	02/18/2015 22:17

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B47-2.5-3.0	**1502330-004A**	**Soil**	**02/10/2015 00:30**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	94	70-130		02/18/2015 22:17
Toluene-d8	120	70-130		02/18/2015 22:17
4-BFB	117	70-130		02/18/2015 22:17

Analyst(s): KF

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CDPH ELAP 1644 ♦ NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B48-1.5-2.0	**1502330-005A**	**Soil**	**02/10/2015 01:05**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	02/18/2015 15:52
tert-Amyl methyl ether (TAME)	ND	0.0050	1	02/18/2015 15:52
Benzene	ND	0.0050	1	02/18/2015 15:52
Bromobenzene	ND	0.0050	1	02/18/2015 15:52
Bromochloromethane	ND	0.0050	1	02/18/2015 15:52
Bromodichloromethane	ND	0.0050	1	02/18/2015 15:52
Bromoform	ND	0.0050	1	02/18/2015 15:52
Bromomethane	ND	0.0050	1	02/18/2015 15:52
2-Butanone (MEK)	ND	0.020	1	02/18/2015 15:52
t-Butyl alcohol (TBA)	ND	0.050	1	02/18/2015 15:52
n-Butyl benzene	ND	0.0050	1	02/18/2015 15:52
sec-Butyl benzene	ND	0.0050	1	02/18/2015 15:52
tert-Butyl benzene	ND	0.0050	1	02/18/2015 15:52
Carbon Disulfide	ND	0.0050	1	02/18/2015 15:52
Carbon Tetrachloride	ND	0.0050	1	02/18/2015 15:52
Chlorobenzene	ND	0.0050	1	02/18/2015 15:52
Chloroethane	ND	0.0050	1	02/18/2015 15:52
Chloroform	ND	0.0050	1	02/18/2015 15:52
Chloromethane	ND	0.0050	1	02/18/2015 15:52
2-Chlorotoluene	ND	0.0050	1	02/18/2015 15:52
4-Chlorotoluene	ND	0.0050	1	02/18/2015 15:52
Dibromochloromethane	ND	0.0050	1	02/18/2015 15:52
1,2-Dibromo-3-chloropropane	ND	0.0040	1	02/18/2015 15:52
1,2-Dibromoethane (EDB)	ND	0.0040	1	02/18/2015 15:52
Dibromomethane	ND	0.0050	1	02/18/2015 15:52
1,2-Dichlorobenzene	ND	0.0050	1	02/18/2015 15:52
1,3-Dichlorobenzene	ND	0.0050	1	02/18/2015 15:52
1,4-Dichlorobenzene	ND	0.0050	1	02/18/2015 15:52
Dichlorodifluoromethane	ND	0.0050	1	02/18/2015 15:52
1,1-Dichloroethane	ND	0.0050	1	02/18/2015 15:52
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	02/18/2015 15:52
1,1-Dichloroethene	ND	0.0050	1	02/18/2015 15:52
cis-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 15:52
trans-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 15:52
1,2-Dichloropropane	ND	0.0050	1	02/18/2015 15:52
1,3-Dichloropropane	ND	0.0050	1	02/18/2015 15:52
2,2-Dichloropropane	ND	0.0050	1	02/18/2015 15:52
1,1-Dichloropropene	ND	0.0050	1	02/18/2015 15:52

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B48-1.5-2.0	1502330-005A	Soil	02/10/2015 01:05	GC28	100997

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 15:52
trans-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 15:52
Diisopropyl ether (DIPE)	ND	0.0050	1	02/18/2015 15:52
Ethylbenzene	ND	0.0050	1	02/18/2015 15:52
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	02/18/2015 15:52
Freon 113	ND	0.0050	1	02/18/2015 15:52
Hexachlorobutadiene	ND	0.0050	1	02/18/2015 15:52
Hexachloroethane	ND	0.0050	1	02/18/2015 15:52
2-Hexanone	ND	0.0050	1	02/18/2015 15:52
Isopropylbenzene	ND	0.0050	1	02/18/2015 15:52
4-Isopropyl toluene	ND	0.0050	1	02/18/2015 15:52
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	02/18/2015 15:52
Methylene chloride	ND	0.0050	1	02/18/2015 15:52
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	02/18/2015 15:52
Naphthalene	ND	0.0050	1	02/18/2015 15:52
n-Propyl benzene	ND	0.0050	1	02/18/2015 15:52
Styrene	ND	0.0050	1	02/18/2015 15:52
1,1,1,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 15:52
1,1,2,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 15:52
Tetrachloroethene	ND	0.0050	1	02/18/2015 15:52
Toluene	ND	0.0050	1	02/18/2015 15:52
1,2,3-Trichlorobenzene	ND	0.0050	1	02/18/2015 15:52
1,2,4-Trichlorobenzene	ND	0.0050	1	02/18/2015 15:52
1,1,1-Trichloroethane	ND	0.0050	1	02/18/2015 15:52
1,1,2-Trichloroethane	ND	0.0050	1	02/18/2015 15:52
Trichloroethene	ND	0.0050	1	02/18/2015 15:52
Trichlorofluoromethane	ND	0.0050	1	02/18/2015 15:52
1,2,3-Trichloropropane	ND	0.0050	1	02/18/2015 15:52
1,2,4-Trimethylbenzene	ND	0.0050	1	02/18/2015 15:52
1,3,5-Trimethylbenzene	ND	0.0050	1	02/18/2015 15:52
Vinyl Chloride	ND	0.0050	1	02/18/2015 15:52
Xylenes, Total	ND	0.0050	1	02/18/2015 15:52

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B48-1.5-2.0	**1502330-005A**	**Soil**	**02/10/2015 01:05**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	95	70-130		02/18/2015 15:52
Toluene-d8	118	70-130		02/18/2015 15:52
4-BFB	119	70-130		02/18/2015 15:52

Analyst(s): AK

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B48-2.5-3.0	1502330-006A	Soil	02/10/2015 01:15	GC28	100997

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	02/18/2015 16:30
tert-Amyl methyl ether (TAME)	ND	0.0050	1	02/18/2015 16:30
Benzene	ND	0.0050	1	02/18/2015 16:30
Bromobenzene	ND	0.0050	1	02/18/2015 16:30
Bromochloromethane	ND	0.0050	1	02/18/2015 16:30
Bromodichloromethane	ND	0.0050	1	02/18/2015 16:30
Bromoform	ND	0.0050	1	02/18/2015 16:30
Bromomethane	ND	0.0050	1	02/18/2015 16:30
2-Butanone (MEK)	ND	0.020	1	02/18/2015 16:30
t-Butyl alcohol (TBA)	ND	0.050	1	02/18/2015 16:30
n-Butyl benzene	ND	0.0050	1	02/18/2015 16:30
sec-Butyl benzene	ND	0.0050	1	02/18/2015 16:30
tert-Butyl benzene	ND	0.0050	1	02/18/2015 16:30
Carbon Disulfide	ND	0.0050	1	02/18/2015 16:30
Carbon Tetrachloride	ND	0.0050	1	02/18/2015 16:30
Chlorobenzene	ND	0.0050	1	02/18/2015 16:30
Chloroethane	ND	0.0050	1	02/18/2015 16:30
Chloroform	ND	0.0050	1	02/18/2015 16:30
Chloromethane	ND	0.0050	1	02/18/2015 16:30
2-Chlorotoluene	ND	0.0050	1	02/18/2015 16:30
4-Chlorotoluene	ND	0.0050	1	02/18/2015 16:30
Dibromochloromethane	ND	0.0050	1	02/18/2015 16:30
1,2-Dibromo-3-chloropropane	ND	0.0040	1	02/18/2015 16:30
1,2-Dibromoethane (EDB)	ND	0.0040	1	02/18/2015 16:30
Dibromomethane	ND	0.0050	1	02/18/2015 16:30
1,2-Dichlorobenzene	ND	0.0050	1	02/18/2015 16:30
1,3-Dichlorobenzene	ND	0.0050	1	02/18/2015 16:30
1,4-Dichlorobenzene	ND	0.0050	1	02/18/2015 16:30
Dichlorodifluoromethane	ND	0.0050	1	02/18/2015 16:30
1,1-Dichloroethane	ND	0.0050	1	02/18/2015 16:30
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	02/18/2015 16:30
1,1-Dichloroethene	ND	0.0050	1	02/18/2015 16:30
cis-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 16:30
trans-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 16:30
1,2-Dichloropropane	ND	0.0050	1	02/18/2015 16:30
1,3-Dichloropropane	ND	0.0050	1	02/18/2015 16:30
2,2-Dichloropropane	ND	0.0050	1	02/18/2015 16:30
1,1-Dichloropropene	ND	0.0050	1	02/18/2015 16:30

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B48-2.5-3.0	**1502330-006A**	**Soil**	**02/10/2015 01:15**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 16:30
trans-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 16:30
Diisopropyl ether (DIPE)	ND	0.0050	1	02/18/2015 16:30
Ethylbenzene	ND	0.0050	1	02/18/2015 16:30
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	02/18/2015 16:30
Freon 113	ND	0.0050	1	02/18/2015 16:30
Hexachlorobutadiene	ND	0.0050	1	02/18/2015 16:30
Hexachloroethane	ND	0.0050	1	02/18/2015 16:30
2-Hexanone	ND	0.0050	1	02/18/2015 16:30
Isopropylbenzene	ND	0.0050	1	02/18/2015 16:30
4-Isopropyl toluene	ND	0.0050	1	02/18/2015 16:30
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	02/18/2015 16:30
Methylene chloride	ND	0.0050	1	02/18/2015 16:30
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	02/18/2015 16:30
Naphthalene	ND	0.0050	1	02/18/2015 16:30
n-Propyl benzene	ND	0.0050	1	02/18/2015 16:30
Styrene	ND	0.0050	1	02/18/2015 16:30
1,1,1,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 16:30
1,1,2,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 16:30
Tetrachloroethene	ND	0.0050	1	02/18/2015 16:30
Toluene	ND	0.0050	1	02/18/2015 16:30
1,2,3-Trichlorobenzene	ND	0.0050	1	02/18/2015 16:30
1,2,4-Trichlorobenzene	ND	0.0050	1	02/18/2015 16:30
1,1,1-Trichloroethane	ND	0.0050	1	02/18/2015 16:30
1,1,2-Trichloroethane	ND	0.0050	1	02/18/2015 16:30
Trichloroethene	ND	0.0050	1	02/18/2015 16:30
Trichlorofluoromethane	ND	0.0050	1	02/18/2015 16:30
1,2,3-Trichloropropane	ND	0.0050	1	02/18/2015 16:30
1,2,4-Trimethylbenzene	ND	0.0050	1	02/18/2015 16:30
1,3,5-Trimethylbenzene	ND	0.0050	1	02/18/2015 16:30
Vinyl Chloride	ND	0.0050	1	02/18/2015 16:30
Xylenes, Total	ND	0.0050	1	02/18/2015 16:30

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B48-2.5-3.0	**1502330-006A**	**Soil**	**02/10/2015 01:15**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	98	70-130		02/18/2015 16:30
Toluene-d8	116	70-130		02/18/2015 16:30
4-BFB	115	70-130		02/18/2015 16:30

Analyst(s): AK

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B49-1.5-2.0	1502330-007A	Soil	02/10/2015 01:30	GC28	100997

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	02/18/2015 17:08
tert-Amyl methyl ether (TAME)	ND	0.0050	1	02/18/2015 17:08
Benzene	ND	0.0050	1	02/18/2015 17:08
Bromobenzene	ND	0.0050	1	02/18/2015 17:08
Bromochloromethane	ND	0.0050	1	02/18/2015 17:08
Bromodichloromethane	ND	0.0050	1	02/18/2015 17:08
Bromoform	ND	0.0050	1	02/18/2015 17:08
Bromomethane	ND	0.0050	1	02/18/2015 17:08
2-Butanone (MEK)	ND	0.020	1	02/18/2015 17:08
t-Butyl alcohol (TBA)	ND	0.050	1	02/18/2015 17:08
n-Butyl benzene	ND	0.0050	1	02/18/2015 17:08
sec-Butyl benzene	ND	0.0050	1	02/18/2015 17:08
tert-Butyl benzene	ND	0.0050	1	02/18/2015 17:08
Carbon Disulfide	ND	0.0050	1	02/18/2015 17:08
Carbon Tetrachloride	ND	0.0050	1	02/18/2015 17:08
Chlorobenzene	ND	0.0050	1	02/18/2015 17:08
Chloroethane	ND	0.0050	1	02/18/2015 17:08
Chloroform	ND	0.0050	1	02/18/2015 17:08
Chloromethane	ND	0.0050	1	02/18/2015 17:08
2-Chlorotoluene	ND	0.0050	1	02/18/2015 17:08
4-Chlorotoluene	ND	0.0050	1	02/18/2015 17:08
Dibromochloromethane	ND	0.0050	1	02/18/2015 17:08
1,2-Dibromo-3-chloropropane	ND	0.0040	1	02/18/2015 17:08
1,2-Dibromoethane (EDB)	ND	0.0040	1	02/18/2015 17:08
Dibromomethane	ND	0.0050	1	02/18/2015 17:08
1,2-Dichlorobenzene	ND	0.0050	1	02/18/2015 17:08
1,3-Dichlorobenzene	ND	0.0050	1	02/18/2015 17:08
1,4-Dichlorobenzene	ND	0.0050	1	02/18/2015 17:08
Dichlorodifluoromethane	ND	0.0050	1	02/18/2015 17:08
1,1-Dichloroethane	ND	0.0050	1	02/18/2015 17:08
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	02/18/2015 17:08
1,1-Dichloroethene	ND	0.0050	1	02/18/2015 17:08
cis-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 17:08
trans-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 17:08
1,2-Dichloropropane	ND	0.0050	1	02/18/2015 17:08
1,3-Dichloropropane	ND	0.0050	1	02/18/2015 17:08
2,2-Dichloropropane	ND	0.0050	1	02/18/2015 17:08
1,1-Dichloropropene	ND	0.0050	1	02/18/2015 17:08

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B49-1.5-2.0	1502330-007A	Soil	02/10/2015 01:30	GC28	100997

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 17:08
trans-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 17:08
Diisopropyl ether (DIPE)	ND	0.0050	1	02/18/2015 17:08
Ethylbenzene	ND	0.0050	1	02/18/2015 17:08
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	02/18/2015 17:08
Freon 113	ND	0.0050	1	02/18/2015 17:08
Hexachlorobutadiene	ND	0.0050	1	02/18/2015 17:08
Hexachloroethane	ND	0.0050	1	02/18/2015 17:08
2-Hexanone	ND	0.0050	1	02/18/2015 17:08
Isopropylbenzene	ND	0.0050	1	02/18/2015 17:08
4-Isopropyl toluene	ND	0.0050	1	02/18/2015 17:08
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	02/18/2015 17:08
Methylene chloride	ND	0.0050	1	02/18/2015 17:08
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	02/18/2015 17:08
Naphthalene	ND	0.0050	1	02/18/2015 17:08
n-Propyl benzene	ND	0.0050	1	02/18/2015 17:08
Styrene	ND	0.0050	1	02/18/2015 17:08
1,1,1,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 17:08
1,1,2,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 17:08
Tetrachloroethene	ND	0.0050	1	02/18/2015 17:08
Toluene	ND	0.0050	1	02/18/2015 17:08
1,2,3-Trichlorobenzene	ND	0.0050	1	02/18/2015 17:08
1,2,4-Trichlorobenzene	ND	0.0050	1	02/18/2015 17:08
1,1,1-Trichloroethane	ND	0.0050	1	02/18/2015 17:08
1,1,2-Trichloroethane	ND	0.0050	1	02/18/2015 17:08
Trichloroethene	ND	0.0050	1	02/18/2015 17:08
Trichlorofluoromethane	ND	0.0050	1	02/18/2015 17:08
1,2,3-Trichloropropane	ND	0.0050	1	02/18/2015 17:08
1,2,4-Trimethylbenzene	ND	0.0050	1	02/18/2015 17:08
1,3,5-Trimethylbenzene	ND	0.0050	1	02/18/2015 17:08
Vinyl Chloride	ND	0.0050	1	02/18/2015 17:08
Xylenes, Total	ND	0.0050	1	02/18/2015 17:08

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B49-1.5-2.0	**1502330-007A**	**Soil**	**02/10/2015 01:30**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	98	70-130		02/18/2015 17:08
Toluene-d8	117	70-130		02/18/2015 17:08
4-BFB	121	70-130		02/18/2015 17:08

Analyst(s): AK

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CDPH ELAP 1644 ♦ NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B49-2.5-3.0	**1502330-008A**	**Soil**	**02/10/2015 01:35**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	02/18/2015 17:46
tert-Amyl methyl ether (TAME)	ND	0.0050	1	02/18/2015 17:46
Benzene	ND	0.0050	1	02/18/2015 17:46
Bromobenzene	ND	0.0050	1	02/18/2015 17:46
Bromochloromethane	ND	0.0050	1	02/18/2015 17:46
Bromodichloromethane	ND	0.0050	1	02/18/2015 17:46
Bromoform	ND	0.0050	1	02/18/2015 17:46
Bromomethane	ND	0.0050	1	02/18/2015 17:46
2-Butanone (MEK)	ND	0.020	1	02/18/2015 17:46
t-Butyl alcohol (TBA)	ND	0.050	1	02/18/2015 17:46
n-Butyl benzene	ND	0.0050	1	02/18/2015 17:46
sec-Butyl benzene	ND	0.0050	1	02/18/2015 17:46
tert-Butyl benzene	ND	0.0050	1	02/18/2015 17:46
Carbon Disulfide	ND	0.0050	1	02/18/2015 17:46
Carbon Tetrachloride	ND	0.0050	1	02/18/2015 17:46
Chlorobenzene	ND	0.0050	1	02/18/2015 17:46
Chloroethane	ND	0.0050	1	02/18/2015 17:46
Chloroform	ND	0.0050	1	02/18/2015 17:46
Chloromethane	ND	0.0050	1	02/18/2015 17:46
2-Chlorotoluene	ND	0.0050	1	02/18/2015 17:46
4-Chlorotoluene	ND	0.0050	1	02/18/2015 17:46
Dibromochloromethane	ND	0.0050	1	02/18/2015 17:46
1,2-Dibromo-3-chloropropane	ND	0.0040	1	02/18/2015 17:46
1,2-Dibromoethane (EDB)	ND	0.0040	1	02/18/2015 17:46
Dibromomethane	ND	0.0050	1	02/18/2015 17:46
1,2-Dichlorobenzene	ND	0.0050	1	02/18/2015 17:46
1,3-Dichlorobenzene	ND	0.0050	1	02/18/2015 17:46
1,4-Dichlorobenzene	ND	0.0050	1	02/18/2015 17:46
Dichlorodifluoromethane	ND	0.0050	1	02/18/2015 17:46
1,1-Dichloroethane	ND	0.0050	1	02/18/2015 17:46
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	02/18/2015 17:46
1,1-Dichloroethene	ND	0.0050	1	02/18/2015 17:46
cis-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 17:46
trans-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 17:46
1,2-Dichloropropane	ND	0.0050	1	02/18/2015 17:46
1,3-Dichloropropane	ND	0.0050	1	02/18/2015 17:46
2,2-Dichloropropane	ND	0.0050	1	02/18/2015 17:46
1,1-Dichloropropene	ND	0.0050	1	02/18/2015 17:46

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B49-2.5-3.0	**1502330-008A**	**Soil**	**02/10/2015 01:35**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 17:46
trans-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 17:46
Diisopropyl ether (DIPE)	ND	0.0050	1	02/18/2015 17:46
Ethylbenzene	ND	0.0050	1	02/18/2015 17:46
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	02/18/2015 17:46
Freon 113	ND	0.0050	1	02/18/2015 17:46
Hexachlorobutadiene	ND	0.0050	1	02/18/2015 17:46
Hexachloroethane	ND	0.0050	1	02/18/2015 17:46
2-Hexanone	ND	0.0050	1	02/18/2015 17:46
Isopropylbenzene	ND	0.0050	1	02/18/2015 17:46
4-Isopropyl toluene	ND	0.0050	1	02/18/2015 17:46
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	02/18/2015 17:46
Methylene chloride	ND	0.0050	1	02/18/2015 17:46
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	02/18/2015 17:46
Naphthalene	ND	0.0050	1	02/18/2015 17:46
n-Propyl benzene	ND	0.0050	1	02/18/2015 17:46
Styrene	ND	0.0050	1	02/18/2015 17:46
1,1,1,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 17:46
1,1,2,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 17:46
Tetrachloroethene	ND	0.0050	1	02/18/2015 17:46
Toluene	ND	0.0050	1	02/18/2015 17:46
1,2,3-Trichlorobenzene	ND	0.0050	1	02/18/2015 17:46
1,2,4-Trichlorobenzene	ND	0.0050	1	02/18/2015 17:46
1,1,1-Trichloroethane	ND	0.0050	1	02/18/2015 17:46
1,1,2-Trichloroethane	ND	0.0050	1	02/18/2015 17:46
Trichloroethene	ND	0.0050	1	02/18/2015 17:46
Trichlorofluoromethane	ND	0.0050	1	02/18/2015 17:46
1,2,3-Trichloropropane	ND	0.0050	1	02/18/2015 17:46
1,2,4-Trimethylbenzene	ND	0.0050	1	02/18/2015 17:46
1,3,5-Trimethylbenzene	ND	0.0050	1	02/18/2015 17:46
Vinyl Chloride	ND	0.0050	1	02/18/2015 17:46
Xylenes, Total	ND	0.0050	1	02/18/2015 17:46

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B49-2.5-3.0	**1502330-008A**	**Soil**	**02/10/2015 01:35**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	97	70-130		02/18/2015 17:46
Toluene-d8	120	70-130		02/18/2015 17:46
4-BFB	119	70-130		02/18/2015 17:46

Analyst(s): AK

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B50-1.5-2.0	**1502330-009A**	**Soil**	**02/10/2015 01:55**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	02/18/2015 18:24
tert-Amyl methyl ether (TAME)	ND	0.0050	1	02/18/2015 18:24
Benzene	ND	0.0050	1	02/18/2015 18:24
Bromobenzene	ND	0.0050	1	02/18/2015 18:24
Bromochloromethane	ND	0.0050	1	02/18/2015 18:24
Bromodichloromethane	ND	0.0050	1	02/18/2015 18:24
Bromoform	ND	0.0050	1	02/18/2015 18:24
Bromomethane	ND	0.0050	1	02/18/2015 18:24
2-Butanone (MEK)	ND	0.020	1	02/18/2015 18:24
t-Butyl alcohol (TBA)	ND	0.050	1	02/18/2015 18:24
n-Butyl benzene	ND	0.0050	1	02/18/2015 18:24
sec-Butyl benzene	ND	0.0050	1	02/18/2015 18:24
tert-Butyl benzene	ND	0.0050	1	02/18/2015 18:24
Carbon Disulfide	ND	0.0050	1	02/18/2015 18:24
Carbon Tetrachloride	ND	0.0050	1	02/18/2015 18:24
Chlorobenzene	ND	0.0050	1	02/18/2015 18:24
Chloroethane	ND	0.0050	1	02/18/2015 18:24
Chloroform	ND	0.0050	1	02/18/2015 18:24
Chloromethane	ND	0.0050	1	02/18/2015 18:24
2-Chlorotoluene	ND	0.0050	1	02/18/2015 18:24
4-Chlorotoluene	ND	0.0050	1	02/18/2015 18:24
Dibromochloromethane	ND	0.0050	1	02/18/2015 18:24
1,2-Dibromo-3-chloropropane	ND	0.0040	1	02/18/2015 18:24
1,2-Dibromoethane (EDB)	ND	0.0040	1	02/18/2015 18:24
Dibromomethane	ND	0.0050	1	02/18/2015 18:24
1,2-Dichlorobenzene	ND	0.0050	1	02/18/2015 18:24
1,3-Dichlorobenzene	ND	0.0050	1	02/18/2015 18:24
1,4-Dichlorobenzene	ND	0.0050	1	02/18/2015 18:24
Dichlorodifluoromethane	ND	0.0050	1	02/18/2015 18:24
1,1-Dichloroethane	ND	0.0050	1	02/18/2015 18:24
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	02/18/2015 18:24
1,1-Dichloroethene	ND	0.0050	1	02/18/2015 18:24
cis-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 18:24
trans-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 18:24
1,2-Dichloropropane	ND	0.0050	1	02/18/2015 18:24
1,3-Dichloropropane	ND	0.0050	1	02/18/2015 18:24
2,2-Dichloropropane	ND	0.0050	1	02/18/2015 18:24
1,1-Dichloropropene	ND	0.0050	1	02/18/2015 18:24

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B50-1.5-2.0	**1502330-009A**	**Soil**	**02/10/2015 01:55**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 18:24
trans-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 18:24
Diisopropyl ether (DIPE)	ND	0.0050	1	02/18/2015 18:24
Ethylbenzene	ND	0.0050	1	02/18/2015 18:24
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	02/18/2015 18:24
Freon 113	ND	0.0050	1	02/18/2015 18:24
Hexachlorobutadiene	ND	0.0050	1	02/18/2015 18:24
Hexachloroethane	ND	0.0050	1	02/18/2015 18:24
2-Hexanone	ND	0.0050	1	02/18/2015 18:24
Isopropylbenzene	ND	0.0050	1	02/18/2015 18:24
4-Isopropyl toluene	ND	0.0050	1	02/18/2015 18:24
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	02/18/2015 18:24
Methylene chloride	ND	0.0050	1	02/18/2015 18:24
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	02/18/2015 18:24
Naphthalene	ND	0.0050	1	02/18/2015 18:24
n-Propyl benzene	ND	0.0050	1	02/18/2015 18:24
Styrene	ND	0.0050	1	02/18/2015 18:24
1,1,1,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 18:24
1,1,2,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 18:24
Tetrachloroethene	ND	0.0050	1	02/18/2015 18:24
Toluene	ND	0.0050	1	02/18/2015 18:24
1,2,3-Trichlorobenzene	ND	0.0050	1	02/18/2015 18:24
1,2,4-Trichlorobenzene	ND	0.0050	1	02/18/2015 18:24
1,1,1-Trichloroethane	ND	0.0050	1	02/18/2015 18:24
1,1,2-Trichloroethane	ND	0.0050	1	02/18/2015 18:24
Trichloroethene	ND	0.0050	1	02/18/2015 18:24
Trichlorofluoromethane	ND	0.0050	1	02/18/2015 18:24
1,2,3-Trichloropropane	ND	0.0050	1	02/18/2015 18:24
1,2,4-Trimethylbenzene	ND	0.0050	1	02/18/2015 18:24
1,3,5-Trimethylbenzene	ND	0.0050	1	02/18/2015 18:24
Vinyl Chloride	ND	0.0050	1	02/18/2015 18:24
Xylenes, Total	ND	0.0050	1	02/18/2015 18:24

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B50-1.5-2.0	**1502330-009A**	**Soil**	**02/10/2015 01:55**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	99	70-130		02/18/2015 18:24
Toluene-d8	119	70-130		02/18/2015 18:24
4-BFB	118	70-130		02/18/2015 18:24

Analyst(s): AK

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CDPH ELAP 1644 ♦ NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B50-2.5-3.0	**1502330-010A**	**Soil**	**02/10/2015 02:15**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	0.10	1	02/18/2015 21:39
tert-Amyl methyl ether (TAME)	ND	0.0050	1	02/18/2015 21:39
Benzene	ND	0.0050	1	02/18/2015 21:39
Bromobenzene	ND	0.0050	1	02/18/2015 21:39
Bromochloromethane	ND	0.0050	1	02/18/2015 21:39
Bromodichloromethane	ND	0.0050	1	02/18/2015 21:39
Bromoform	ND	0.0050	1	02/18/2015 21:39
Bromomethane	ND	0.0050	1	02/18/2015 21:39
2-Butanone (MEK)	ND	0.020	1	02/18/2015 21:39
t-Butyl alcohol (TBA)	ND	0.050	1	02/18/2015 21:39
n-Butyl benzene	ND	0.0050	1	02/18/2015 21:39
sec-Butyl benzene	ND	0.0050	1	02/18/2015 21:39
tert-Butyl benzene	ND	0.0050	1	02/18/2015 21:39
Carbon Disulfide	ND	0.0050	1	02/18/2015 21:39
Carbon Tetrachloride	ND	0.0050	1	02/18/2015 21:39
Chlorobenzene	ND	0.0050	1	02/18/2015 21:39
Chloroethane	ND	0.0050	1	02/18/2015 21:39
Chloroform	ND	0.0050	1	02/18/2015 21:39
Chloromethane	ND	0.0050	1	02/18/2015 21:39
2-Chlorotoluene	ND	0.0050	1	02/18/2015 21:39
4-Chlorotoluene	ND	0.0050	1	02/18/2015 21:39
Dibromochloromethane	ND	0.0050	1	02/18/2015 21:39
1,2-Dibromo-3-chloropropane	ND	0.0040	1	02/18/2015 21:39
1,2-Dibromoethane (EDB)	ND	0.0040	1	02/18/2015 21:39
Dibromomethane	ND	0.0050	1	02/18/2015 21:39
1,2-Dichlorobenzene	ND	0.0050	1	02/18/2015 21:39
1,3-Dichlorobenzene	ND	0.0050	1	02/18/2015 21:39
1,4-Dichlorobenzene	ND	0.0050	1	02/18/2015 21:39
Dichlorodifluoromethane	ND	0.0050	1	02/18/2015 21:39
1,1-Dichloroethane	ND	0.0050	1	02/18/2015 21:39
1,2-Dichloroethane (1,2-DCA)	ND	0.0040	1	02/18/2015 21:39
1,1-Dichloroethene	ND	0.0050	1	02/18/2015 21:39
cis-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 21:39
trans-1,2-Dichloroethene	ND	0.0050	1	02/18/2015 21:39
1,2-Dichloropropane	ND	0.0050	1	02/18/2015 21:39
1,3-Dichloropropane	ND	0.0050	1	02/18/2015 21:39
2,2-Dichloropropane	ND	0.0050	1	02/18/2015 21:39
1,1-Dichloropropene	ND	0.0050	1	02/18/2015 21:39

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B50-2.5-3.0	1502330-010A	Soil	02/10/2015 02:15	GC28	100997

Analytes	Result	RL	DF	Date Analyzed
cis-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 21:39
trans-1,3-Dichloropropene	ND	0.0050	1	02/18/2015 21:39
Diisopropyl ether (DIPE)	ND	0.0050	1	02/18/2015 21:39
Ethylbenzene	ND	0.0050	1	02/18/2015 21:39
Ethyl tert-butyl ether (ETBE)	ND	0.0050	1	02/18/2015 21:39
Freon 113	ND	0.0050	1	02/18/2015 21:39
Hexachlorobutadiene	ND	0.0050	1	02/18/2015 21:39
Hexachloroethane	ND	0.0050	1	02/18/2015 21:39
2-Hexanone	ND	0.0050	1	02/18/2015 21:39
Isopropylbenzene	ND	0.0050	1	02/18/2015 21:39
4-Isopropyl toluene	ND	0.0050	1	02/18/2015 21:39
Methyl-t-butyl ether (MTBE)	ND	0.0050	1	02/18/2015 21:39
Methylene chloride	ND	0.0050	1	02/18/2015 21:39
4-Methyl-2-pentanone (MIBK)	ND	0.0050	1	02/18/2015 21:39
Naphthalene	ND	0.0050	1	02/18/2015 21:39
n-Propyl benzene	ND	0.0050	1	02/18/2015 21:39
Styrene	ND	0.0050	1	02/18/2015 21:39
1,1,1,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 21:39
1,1,2,2-Tetrachloroethane	ND	0.0050	1	02/18/2015 21:39
Tetrachloroethene	ND	0.0050	1	02/18/2015 21:39
Toluene	ND	0.0050	1	02/18/2015 21:39
1,2,3-Trichlorobenzene	ND	0.0050	1	02/18/2015 21:39
1,2,4-Trichlorobenzene	ND	0.0050	1	02/18/2015 21:39
1,1,1-Trichloroethane	ND	0.0050	1	02/18/2015 21:39
1,1,2-Trichloroethane	ND	0.0050	1	02/18/2015 21:39
Trichloroethene	ND	0.0050	1	02/18/2015 21:39
Trichlorofluoromethane	ND	0.0050	1	02/18/2015 21:39
1,2,3-Trichloropropane	ND	0.0050	1	02/18/2015 21:39
1,2,4-Trimethylbenzene	ND	0.0050	1	02/18/2015 21:39
1,3,5-Trimethylbenzene	ND	0.0050	1	02/18/2015 21:39
Vinyl Chloride	ND	0.0050	1	02/18/2015 21:39
Xylenes, Total	ND	0.0050	1	02/18/2015 21:39

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	SW5030B
Date Received:	2/10/15 11:59	**Analytical Method:**	SW8260B
Date Prepared:	2/10/15-2/18/15	**Unit:**	mg/kg

Volatile Organics by P&T and GC/MS (Basic Target List)

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B50-2.5-3.0	**1502330-010A**	**Soil**	**02/10/2015 02:15**	**GC28**	**100997**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	97	70-130		02/18/2015 21:39
Toluene-d8	118	70-130		02/18/2015 21:39
4-BFB	120	70-130		02/18/2015 21:39

Analyst(s): KF

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	2/10/15 11:59	**Analytical Method:**	TO15
Date Prepared:	2/12/15	**Unit:**	µg/m³

Leak Check Compound

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B46-Vapor	1502330-011A	Air	02/10/2015 03:20	GC29	101144

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
NA	NA	AK

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Isopropyl Alcohol	ND	H	50	1	02/12/2015 01:34

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B47-Vapor	1502330-012A	Air	02/10/2015 03:28	GC29	101144

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
NA	NA	AK

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Isopropyl Alcohol	ND	H	50	1	02/12/2015 02:19

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B48-Vapor	1502330-013A	Air	02/10/2015 03:54	GC29	101144

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
NA	NA	AK

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Isopropyl Alcohol	ND	H	50	1	02/12/2015 03:03

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	2/10/15 11:59	**Analytical Method:**	TO15
Date Prepared:	2/12/15	**Unit:**	µg/m³

Leak Check Compound

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B49-Vapor	**1502330-014A**	**Air**	**02/10/2015 04:04**	**GC29**	**101144**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
NA	**NA**	**AK**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Isopropyl Alcohol	ND	H	50	1	02/12/2015 03:48

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
B50-Vapor	**1502330-015A**	**Air**	**02/10/2015 04:15**	**GC29**	**101144**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
NA	**NA**	**AK**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Isopropyl Alcohol	ND	H	50	1	02/12/2015 04:33

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Date Prepared:	2/10/15	**BatchID:**	101070
Date Analyzed:	2/10/15	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-101070 1502298-004BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	10.4	0.50	10	-	104	54-140
Benzene	ND	9.70	0.50	10	-	97	47-158
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	36.6	2.0	40	-	92	42-140
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	9.24	0.50	10	-	92	43-157
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	9.27	0.50	10	-	93	44-155
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	9.66	0.50	10	-	97	66-125
1,1-Dichloroethene	ND	-	0.50	-	-	-	-
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Date Prepared:	2/10/15	**BatchID:**	101070
Date Analyzed:	2/10/15	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-101070 1502298-004BMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	10.2	0.50	10	-	102	57-136
Ethanol	ND	-	50	-	-	-	-
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	10.4	0.50	10	-	104	55-137
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Methanol	ND	-	500	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	10.1	0.50	10	-	101	53-139
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	9.29	0.50	10	-	93	52-137
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	9.34	0.50	10	-	93	43-157
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Xylenes, Total	ND	-	0.50	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	24.1	24.3		25	97	97	65-135
Toluene-d8	25.0	23.8		25	100	95	64-112
4-BFB	2.23	2.34		2.5	89	94	59-139

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Date Prepared:	2/10/15	**BatchID:**	101070
Date Analyzed:	2/10/15	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-101070 1502298-004BMS/MSD

QC Summary Report for SW8260B

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	11.1	11.3	10	ND	111	113	69-139	1.65	20
Benzene	10.6	10.5	10	ND	102	101	69-141	1.12	20
t-Butyl alcohol (TBA)	37.7	38.9	40	ND	94	97	41-152	3.13	20
Chlorobenzene	9.70	9.59	10	ND	97	96	77-120	1.13	20
1,2-Dibromoethane (EDB)	10.3	10.3	10	ND	103	103	76-135	0	20
1,2-Dichloroethane (1,2-DCA)	10.4	10.4	10	ND	104	103	73-139	0.168	20
Diisopropyl ether (DIPE)	10.6	10.6	10	ND	106	106	72-140	0	20
Ethyl tert-butyl ether (ETBE)	10.9	11.1	10	ND	109	111	71-140	1.37	20
Methyl-t-butyl ether (MTBE)	10.9	11.0	10	ND	109	110	73-139	1.22	20
Toluene	9.91	9.70	10	ND	97	95	71-128	2.14	20
Trichloroethene	10.6	11.8	10	ND	106	118	64-132	10.9	20
Surrogate Recovery									
Dibromofluoromethane	24.4	23.5	25		98	94	80-124	3.95	20
Toluene-d8	23.8	23.6	25		95	94	75-110	0.774	20
4-BFB	2.33	2.36	2.5		93	95	69-114	1.41	20

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Date Prepared:	2/9/15	**BatchID:**	100997
Date Analyzed:	2/10/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-100997 1502315-025AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0386	0.0050	0.050	-	77	53-116
Benzene	ND	0.0462	0.0050	0.050	-	92	63-137
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.164	0.050	0.20	-	82	41-135
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.0453	0.0050	0.050	-	91	77-121
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0423	0.0040	0.050	-	85	67-119
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0457	0.0040	0.050	-	91	58-135
1,1-Dichloroethene	ND	0.0479	0.0050	0.050	-	96	42-145
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Date Prepared:	2/9/15	**BatchID:**	100997
Date Analyzed:	2/10/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-100997 1502315-025AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	0.0470	0.0050	0.050	-	94	52-129
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0452	0.0050	0.050	-	91	53-125
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0453	0.0050	0.050	-	91	58-122
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.0508	0.0050	0.050	-	102	76-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0461	0.0050	0.050	-	92	72-132
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	0.119	0.119		0.12	95	95	72-126
Toluene-d8	0.127	0.127		0.12	101	101	81-115
4-BFB	0.0111	0.0110		0.012	89	88	55-127

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Date Prepared:	2/9/15	**BatchID:**	100997
Date Analyzed:	2/10/15	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-100997 1502315-025AMS/MSD

QC Summary Report for SW8260B

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	0.0343	0.0344	0.050	ND	69,F1	69,F1	70-130	0	20
Benzene	0.0400	0.0403	0.050	ND	80	81	70-130	7.08	20
t-Butyl alcohol (TBA)	0.181	0.144	0.20	ND	91	72	70-130	2.85	20
Chlorobenzene	0.0396	0.0384	0.050	ND	79	77	70-130	9.86	20
1,2-Dibromoethane (EDB)	0.0339	0.0366	0.050	ND	68,F1	73	70-130	4.93	20
1,2-Dichloroethane (1,2-DCA)	0.0390	0.0401	0.050	ND	78	80	70-130	1.54	20
1,1-Dichloroethene	0.0384	0.0403	0.050	ND	77	81	70-130	8.01	20
Diisopropyl ether (DIPE)	0.0413	0.0421	0.050	ND	83	84	70-130	3.85	20
Ethyl tert-butyl ether (ETBE)	0.0384	0.0399	0.050	ND	77	80	70-130	4.11	20
Methyl-t-butyl ether (MTBE)	0.0366	0.0400	0.050	ND	73	80	70-130	2.67	20
Toluene	0.0412	0.0426	0.050	ND	82	85	70-130	8.35	20
Trichloroethene	0.0382	0.0396	0.050	ND	76	79	70-130	7.29	20
Surrogate Recovery									
Dibromofluoromethane	0.114	0.121	0.12		91	97	70-130	1.75	20
Toluene-d8	0.116	0.125	0.12		93	100	70-130	0.424	20
4-BFB	0.0100	0.0108	0.012		80	86	70-130	2.35	20

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Date Prepared:	2/18/15	**BatchID:**	101348
Date Analyzed:	2/18/15	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-101348

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	0.10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	0.0456	0.0050	0.050	-	91	53-116
Benzene	ND	0.0503	0.0050	0.050	-	101	63-137
Bromobenzene	ND	-	0.0050	-	-	-	-
Bromochloromethane	ND	-	0.0050	-	-	-	-
Bromodichloromethane	ND	-	0.0050	-	-	-	-
Bromoform	ND	-	0.0050	-	-	-	-
Bromomethane	ND	-	0.0050	-	-	-	-
2-Butanone (MEK)	ND	-	0.020	-	-	-	-
t-Butyl alcohol (TBA)	ND	0.207	0.050	0.20	-	104	41-135
n-Butyl benzene	ND	-	0.0050	-	-	-	-
sec-Butyl benzene	ND	-	0.0050	-	-	-	-
tert-Butyl benzene	ND	-	0.0050	-	-	-	-
Carbon Disulfide	ND	-	0.0050	-	-	-	-
Carbon Tetrachloride	ND	-	0.0050	-	-	-	-
Chlorobenzene	ND	0.0492	0.0050	0.050	-	98	77-121
Chloroethane	ND	-	0.0050	-	-	-	-
Chloroform	ND	-	0.0050	-	-	-	-
Chloromethane	ND	-	0.0050	-	-	-	-
2-Chlorotoluene	ND	-	0.0050	-	-	-	-
4-Chlorotoluene	ND	-	0.0050	-	-	-	-
Dibromochloromethane	ND	-	0.0050	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.0040	-	-	-	-
1,2-Dibromoethane (EDB)	ND	0.0474	0.0040	0.050	-	95	67-119
Dibromomethane	ND	-	0.0050	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.0050	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.0050	-	-	-	-
Dichlorodifluoromethane	ND	-	0.0050	-	-	-	-
1,1-Dichloroethane	ND	-	0.0050	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.0480	0.0040	0.050	-	96	58-135
1,1-Dichloroethene	ND	0.0454	0.0050	0.050	-	91	42-145
cis-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.0050	-	-	-	-
1,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,3-Dichloropropane	ND	-	0.0050	-	-	-	-
2,2-Dichloropropane	ND	-	0.0050	-	-	-	-
1,1-Dichloropropene	ND	-	0.0050	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.0050	-	-	-	-

(Cont.)

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Date Prepared:	2/18/15	**BatchID:**	101348
Date Analyzed:	2/18/15	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Soil	**Unit:**	mg/Kg
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-101348

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	0.0469	0.0050	0.050	-	94	52-129
Ethylbenzene	ND	-	0.0050	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.0468	0.0050	0.050	-	94	53-125
Freon 113	ND	-	0.0050	-	-	-	-
Hexachlorobutadiene	ND	-	0.0050	-	-	-	-
Hexachloroethane	ND	-	0.0050	-	-	-	-
2-Hexanone	ND	-	0.0050	-	-	-	-
Isopropylbenzene	ND	-	0.0050	-	-	-	-
4-Isopropyl toluene	ND	-	0.0050	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.0464	0.0050	0.050	-	93	58-122
Methylene chloride	ND	-	0.0050	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.0050	-	-	-	-
Naphthalene	ND	-	0.0050	-	-	-	-
n-Propyl benzene	ND	-	0.0050	-	-	-	-
Styrene	ND	-	0.0050	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.0050	-	-	-	-
Tetrachloroethene	ND	-	0.0050	-	-	-	-
Toluene	ND	0.0560	0.0050	0.050	-	106	76-130
1,2,3-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.0050	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.0050	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.0050	-	-	-	-
Trichloroethene	ND	0.0496	0.0050	0.050	-	99	72-132
Trichlorofluoromethane	ND	-	0.0050	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.0050	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.0050	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.0050	-	-	-	-
Vinyl Chloride	ND	-	0.0050	-	-	-	-
Xylenes, Total	ND	-	0.0050	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	0.123	0.120		0.12	98	96	72-126
Toluene-d8	0.122	0.123		0.12	98	98	81-115
4-BFB	0.0118	0.0120		0.012	94	96	55-127

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Date Prepared:	2/12/15	**BatchID:**	101144
Date Analyzed:	2/11/15	**Extraction Method:**	TO15
Instrument:	GC29	**Analytical Method:**	TO15
Matrix:	Soilgas	**Unit:**	nL/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-101144

QC Summary Report for TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	34.5	25	25	-	138	60-140
Acrolein	ND	23.4	0.50	25	-	94	60-140
Acrylonitrile	ND	31.0	0.50	25	-	124	60-140
tert-Amyl methyl ether (TAME)	ND	19.6	0.50	25	-	78	60-140
Benzene	ND	19.3	0.50	25	-	77	60-140
Benzyl chloride	ND	17.9	0.50	25	-	72	60-140
Bromodichloromethane	ND	20.8	0.50	25	-	83	60-140
Bromoform	ND	16.1	0.50	25	-	64	60-140
Bromomethane	ND	21.2	0.50	25	-	85	60-140
1,3-Butadiene	ND	29.7	0.50	25	-	119	60-140
2-Butanone (MEK)	ND	ND	25	25	-	91	60-140
t-Butyl alcohol (TBA)	ND	20.6	10	25	-	82	60-140
Carbon Disulfide	ND	19.2	0.50	25	-	77	60-140
Carbon Tetrachloride	ND	21.7	0.50	25	-	87	60-140
Chlorobenzene	ND	19.7	0.50	25	-	79	60-140
Chloroethane	ND	22.8	0.50	25	-	91	60-140
Chloroform	ND	20.0	0.50	25	-	80	60-140
Chloromethane	ND	28.0	0.50	25	-	112	60-140
Cyclohexane	ND	27.9	5.0	25	-	112	60-140
Dibromochloromethane	ND	18.9	0.50	25	-	76	60-140
1,2-Dibromo-3-chloropropane	ND	19.3	0.012	25	-	77	60-140
1,2-Dibromoethane (EDB)	ND	21.2	0.50	25	-	85	60-140
1,2-Dichlorobenzene	ND	20.5	0.50	25	-	82	60-140
1,3-Dichlorobenzene	ND	20.5	0.50	25	-	82	60-140
1,4-Dichlorobenzene	ND	20.1	0.50	25	-	81	60-140
Dichlorodifluoromethane	ND	18.2	0.50	25	-	73	60-140
1,1-Dichloroethane	ND	23.4	0.50	25	-	94	60-140
1,2-Dichloroethane (1,2-DCA)	ND	22.4	0.50	25	-	89	60-140
1,1-Dichloroethene	ND	19.6	0.50	25	-	78	60-140
cis-1,2-Dichloroethene	ND	20.0	0.50	25	-	80	60-140
trans-1,2-Dichloroethene	ND	20.5	0.50	25	-	82	60-140
1,2-Dichloropropane	ND	24.4	0.50	25	-	98	60-140
cis-1,3-Dichloropropene	ND	23.0	0.50	25	-	92	60-140
trans-1,3-Dichloropropene	ND	24.3	0.50	25	-	97	60-140
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	18.8	0.50	25	-	75	60-140
Diisopropyl ether (DIPE)	ND	30.4	0.50	25	-	122	60-140
1,4-Dioxane	ND	19.9	0.50	25	-	80	60-140
Ethanol	ND	-	50	-	-	-	-
Ethyl acetate	ND	31.5	0.50	25	-	126	60-140
Ethyl tert-butyl ether (ETBE)	ND	23.9	0.50	25	-	96	60-140

(Cont.)

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1502330
Date Prepared:	2/12/15	**BatchID:**	101144
Date Analyzed:	2/11/15	**Extraction Method:**	TO15
Instrument:	GC29	**Analytical Method:**	TO15
Matrix:	Soilgas	**Unit:**	nL/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-101144

QC Summary Report for TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Ethylbenzene	ND	22.3	0.50	25	-	89	60-140
4-Ethyltoluene	ND	21.3	0.50	25	-	85	60-140
Freon 113	ND	19.1	0.50	25	-	77	60-140
Heptane	ND	35.2	5.0	25	-	141, F2	60-140
Hexachlorobutadiene	ND	21.3	0.50	25	-	85	60-140
Hexane	ND	27.8	5.0	25	-	111	60-140
2-Hexanone	ND	33.9	0.50	25	-	136	60-140
4-Methyl-2-pentanone (MIBK)	ND	34.0	0.50	25	-	136	60-140
Methyl-t-butyl ether (MTBE)	ND	19.9	0.50	25	-	80	60-140
Methylene chloride	ND	19.9	0.50	25	-	80	60-140
Naphthalene	ND	33.8	1.0	50	-	68	60-140
Propene	ND	-	50	-	-	-	-
Styrene	ND	15.9	0.50	25	-	64	60-140
1,1,1,2-Tetrachloroethane	ND	20.7	0.50	25	-	83	60-140
1,1,2,2-Tetrachloroethane	ND	21.2	0.50	25	-	85	60-140
Tetrachloroethene	ND	23.9	0.50	25	-	96	60-140
Tetrahydrofuran	ND	35.8	0.50	25	-	143, F2	60-140
Toluene	ND	19.6	0.50	25	-	78	60-140
1,2,4-Trichlorobenzene	ND	22.2	0.50	25	-	89	60-140
1,1,1-Trichloroethane	ND	22.6	0.50	25	-	90	60-140
1,1,2-Trichloroethane	ND	20.4	0.50	25	-	82	60-140
Trichloroethene	ND	19.7	0.50	25	-	79	60-140
Trichlorofluoromethane	ND	19.2	0.50	25	-	77	60-140
1,2,4-Trimethylbenzene	ND	19.8	0.50	25	-	79	60-140
1,3,5-Trimethylbenzene	ND	18.8	0.50	25	-	75	60-140
Vinyl Acetate	ND	35.0	0.50	25	-	140	60-140
Vinyl Chloride	ND	24.5	0.50	25	-	98	60-140
Xylenes, Total	ND	61.5	1.5	75	-	82	60-140
Surrogate Recovery							
1,2-DCA-d4	574	512		500	115	102	60-140
Toluene-d8	500	504		500	100	101	60-140
4-BFB	505	543		500	101	109	60-140

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1502330 **ClientCode: AGES**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☑ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Daniel Villanueva
Advanced GeoEnvironmental, Inc.
837 Shaw Road
Stockton, CA 95215
(209) 467-1006 FAX: (209) 467-1118

Email: dvillanueva@advgeoenv.com
cc/3rd Party:
PO:
ProjectNo: Swiss Valley Cleaners

Bill to:
Erica
Advanced GeoEnvironmental, Inc.
837 Shaw Road
Stockton, CA 95215
ebart@advgeoenv.com

Requested TAT: 5 days

Date Received: **02/10/2015**
Date Printed: **02/20/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
1502330-001	B46-1.5-2.0	Soil	2/9/2015 23:05	☐			A	A								
1502330-002	B46-2.5-3.0	Soil	2/9/2015 23:10	☐			A									
1502330-003	B47-1.5-2.0	Soil	2/10/2015 0:20	☐			A									
1502330-004	B47-2.5-3.0	Soil	2/10/2015 0:30	☐			A									
1502330-005	B48-1.5-2.0	Soil	2/10/2015 1:05	☐			A									
1502330-006	B48-2.5-3.0	Soil	2/10/2015 1:15	☐			A									
1502330-007	B49-1.5-2.0	Soil	2/10/2015 1:30	☐			A									
1502330-008	B49-2.5-3.0	Soil	2/10/2015 1:35	☐			A									
1502330-009	B50-1.5-2.0	Soil	2/10/2015 1:55	☐			A									
1502330-010	B50-2.5-3.0	Soil	2/10/2015 2:15	☐			A									
1502330-011	B46-Vapor	Air	2/10/2015 3:20	☐	A	A			A	A	A					
1502330-012	B47-Vapor	Air	2/10/2015 3:28	☐	A	A			A	A	A					
1502330-013	B48-Vapor	Air	2/10/2015 3:54	☐	A	A			A	A	A					
1502330-014	B49-Vapor	Air	2/10/2015 4:04	☐	A	A			A	A	A					
1502330-015	B50-Vapor	Air	2/10/2015 4:15	☐	A	A			A	A	A					

Test Legend:

1	8260B_A	2	8260B_A(UG/M3)	3	8260B_S	4	PREDF REPORT	5	TO15_TEDLAR(UG/M3)
6	TO15_TEDLAR(UL/L)	7	TO15-LC_TEDLAR(UG/M3)	8		9		10	
11		12							

The following SampIDs: 011A, 012A, 013A, 014A, 015A contain testgroup.

Prepared by: Maria Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ADVANCED GEOENVIRONMENTAL, INC. **QC Level:** LEVEL 2 **Work Order:** 1502330
Project: Swiss Valley Cleaners **Client Contact:** Daniel Villanueva **Date Received:** 2/10/2015
Comments: **Contact's Email:** dvillanueva@advgeoenv.com

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1502330-001A	B46-1.5-2.0	Soil	SW8260B (VOCs)	1	Acetate Liner	☐	2/9/2015 23:05	5 days		☐	
1502330-002A	B46-2.5-3.0	Soil	SW8260B (VOCs)	1	Acetate Liner	☐	2/9/2015 23:10	5 days		☐	
1502330-003A	B47-1.5-2.0	Soil	SW8260B (VOCs)	1	Acetate Liner	☐	2/10/2015 0:20	5 days		☐	
1502330-004A	B47-2.5-3.0	Soil	SW8260B (VOCs)	1	Acetate Liner	☐	2/10/2015 0:30	5 days		☐	
1502330-005A	B48-1.5-2.0	Soil	SW8260B (VOCs)	1	Acetate Liner	☐	2/10/2015 1:05	5 days		☐	
1502330-006A	B48-2.5-3.0	Soil	SW8260B (VOCs)	1	Acetate Liner	☐	2/10/2015 1:15	5 days		☐	
1502330-007A	B49-1.5-2.0	Soil	SW8260B (VOCs)	1	Acetate Liner	☐	2/10/2015 1:30	5 days		☐	
1502330-008A	B49-2.5-3.0	Soil	SW8260B (VOCs)	1	Acetate Liner	☐	2/10/2015 1:35	5 days		☐	
1502330-009A	B50-1.5-2.0	Soil	SW8260B (VOCs)	1	Acetate Liner	☐	2/10/2015 1:55	5 days		☐	
1502330-010A	B50-2.5-3.0	Soil	SW8260B (VOCs)	1	Acetate Liner	☐	2/10/2015 2:15	5 days		☐	
1502330-011A	B46-Vapor	Air	Leak Check Compound by TO15 (µg/m³)	1	Tedlar	☐	2/10/2015 3:20	5 days		☐	
			TO15 (VOCs) (µL/L)			☐		5 days		☐	
			TO15 (VOCs) (µg/m³)			☐		5 days		☐	
			VOCs by PT & GCMS			☐		5 days		☐	
1502330-012A	B47-Vapor	Air	Leak Check Compound by TO15 (µg/m³)	1	Tedlar	☐	2/10/2015 3:28	5 days		☐	
			TO15 (VOCs) (µL/L)			☐		5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

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WORK ORDER SUMMARY

Client Name: ADVANCED GEOENVIRONMENTAL, INC. **QC Level:** LEVEL 2 **Work Order:** 1502330
Project: Swiss Valley Cleaners **Client Contact:** Daniel Villanueva **Date Received:** 2/10/2015
Comments: **Contact's Email:** dvillanueva@advgeoenv.com

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1502330-012A	B47-Vapor	Air	TO15 (VOCs) (µg/m³)	1	Tedlar	☐	2/10/2015 3:28	5 days		☐	
			VOCs by PT & GCMS			☐		5 days		☐	
1502330-013A	B48-Vapor	Air	Leak Check Compound by TO15 (µg/m³)	1	Tedlar	☐	2/10/2015 3:54	5 days		☐	
			TO15 (VOCs) (µL/L)			☐		5 days		☐	
			TO15 (VOCs) (µg/m³)			☐		5 days		☐	
			VOCs by PT & GCMS			☐		5 days		☐	
1502330-014A	B49-Vapor	Air	Leak Check Compound by TO15 (µg/m³)	1	Tedlar	☐	2/10/2015 4:04	5 days		☐	
			TO15 (VOCs) (µL/L)			☐		5 days		☐	
			TO15 (VOCs) (µg/m³)			☐		5 days		☐	
			VOCs by PT & GCMS			☐		5 days		☐	
1502330-015A	B50-Vapor	Air	Leak Check Compound by TO15 (µg/m³)	1	Tedlar	☐	2/10/2015 4:15	5 days		☐	
			TO15 (VOCs) (µL/L)			☐		5 days		☐	
			TO15 (VOCs) (µg/m³)			☐		5 days		☐	
			VOCs by PT & GCMS			☐		5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

Advanced GeoEnvironmental, Inc. 1502330 www.advgeoenv.com

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☐ 2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461
☐ 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979
☐ _____

CHAIN OF CUSTODY RECORD

Date: 2-10-15 Page 1 of 2

Project Name: Swiss Valley Cleaners
Project Manager: Daniel Villanueva
Client:
Sampler (initials & signature): DV
Invoice to: ☒ AGE ☐ Client
Lab Project No.:

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs
B46-1.5-2.0	2-9-15	2305	S	1		X
B46-2.5-3.0	2-9-15	2310	S	1		X
B47-1.5-2.0	2-10-15	0030	S	1		X
B47-2.5-3.0		0030				X
B48-1.5-2.0		0105				X
B48-2.5-3.0		0115				X
B49-1.5-2.0		0130				X
B49-2.5-3.0		0135				X
B50-1.5-2.0		0155				X
B50-2.5-3.0		0215				X

Relinquished by:	Date: 2-10-15	Time: 1125	Laboratory: McCampbell		
Courier:			Received by:	Date: 2/10/15	Time: 1125
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Special Instructions to lab:

IR# 3.4
GOOD CONDITION_____ APPROPRIATE
HEAD SPACE ABSENT_____ CONTAINERS_____
DECHLORINATED IN LAB_____ PRESERVED IN LAB_____
PRESERVATION

Geotracker EDF to: ☒ geotracker@advgeoenv.com ☐ _____

Global ID:	VOAS	O&G	METALS	OTHER

Matrix Codes: A = Air W = Water S = Solid

I hereby authorize the performance of the above indicated work.

Advanced GeoEnvironmental, Inc.

www.advgeoenv.com

☒ 837 Shaw Road, Stockton, California 95215 • Phone (209) 467-1006 • Fax (209) 467-1118
☐ 381 Thor Place, Brea, California 92821 • Phone (714) 529-0200 • Fax (714) 529-0203
☐ 2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461
☐ 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979
☐ _____

CHAIN OF CUSTODY RECORD

Date: 2-10-15 Page 2 of 2

Project Name: Swiss Valley Cleaners
Project Manager: Daniel Villanueva
Client:
Sampler (initials & signature): DV
Invoice to: ☒ AGE ☐ Client
Lab Project No.:

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOC's
B46-Vapor	2-10-15	0320	A	1		X
B47-Vapor	"	0328	"	"		X
B48-Vapor	"	0354	"	"		X
B49-Vapor	"	0404	"	"		X
B50-Vapor	"	0415	"	"		X

Relinquished by:	Date: 2/10/15	Time: 1125	Laboratory: McCampbell		
Courier:			Received by:	Date: 2/10/15	Time: 1125
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other:_____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work.

Geotracker EDF to: ☒ geotracker@advgeoenv.com ☐ _____ Global ID:

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: **Advanced GeoEnvironmental, Inc.**
Date and Time Received: **2/10/2015 11:59:40 AM**

Project Name: **Swiss Valley Cleaners**
LogIn Reviewed by: Maria Venegas

WorkOrder №: **1502330** Matrix: Air/Soil
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☐	No ☑	
Sample/Temp Blank temperature	Temp: 3.1°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes ☐	No ☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Comments: Method SW8260B (VOCs) was received passed its 0.25-day holding time.

CAL TECH Environmental Laboratories

6814 Rosecrans Avenue, Paramount, CA 90723-3146
Telephone: (562) 272-2700 Fax: (562) 272-2789

ANALYTICAL RESULTS*

CTEL Project No: CT214-1503022
Client Name: Advanced Geo Environmental, Inc.
837 Shaw Road
Stockton, CA 95215
Phone:(209) 467-1006
Fax: (209) 467-1118
Attention: Mr. Daniel Villanueva

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Date Sampled: 02/26/15 – 02/27/15 @ 09:35 am
Matrix: Soil
Date Received: 03/04/15 @ 11:10 am
Date Analyzed: 03/05/15 – 03/06/15

Laboratory ID:	1503-022-5	1503-022-8	1503-022-13	**Method**	**Units:**	**Detection**
Client Sample ID:	B51-4.5-5.0	B51-9.5-10	B52-4.5-5.0			**Limit**
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAM)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MI)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

(Continued)

CTEL Project No: CT214-1503022

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Laboratory ID: / **Client Sample ID:**	1503-022-5 B51-4.5-5.0	1503-022-8 B51-9.5-10	1503-022-13 B52-4.5-5.0	**Method**	**Units**	**Detection Limit**
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m.p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2 Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	102	101	114	70-130
1,2 Dichloromethaned4	76	76	93	70-130
Toluene-d8	105	101	117	70-130
Bromofluorobenzene	104	120	123	70-130

CTEL Project No: CT214-1503022
Client Name: Advanced Geo Environmental, Inc.
837 Shaw Road
Stockton, CA 95215
Phone:(209) 467-1006
Fax: (209) 467-1118
Attention: Mr. Daniel Villanueva

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Date Sampled: 02/26/15 – 02/27/15 @ 09:35 am
Matrix: Soil
Date Received: 03/04/15 @ 11:10 am
Date Analyzed: 03/05/15 – 03/06/15

Laboratory ID:	1503-022-16	1503-022-21	1503-022-22	**Method**	**Units:**	**Detection**
Client Sample ID:	B52-9.5-10	B53-4.5-5.0	B53-6.5-7.0			**Limit**
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAM)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorocthene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MI)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

(Continued)

CTEL Project No: CT214-1503022

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Laboratory ID: / **Client Sample ID:**	1503-022-16 B52-9.5-10	1503-022-21 B53-4.5-5.0	1503-022-22 B53-6.5-7.0	**Method**	**Units**	**Detection Limit**
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m.p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2 Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	107	115	107	70-130
1,2 Dichloromethaned4	87	91	95	70-130
Toluene-d8	106	110	112	70-130
Bromofluorobenzene	117	120	118	70-130

CTEL Project No: CT214-1503022
Client Name: Advanced Geo Environmental, Inc.
837 Shaw Road
Stockton, CA 95215
Phone:(209) 467-1006
Fax: (209) 467-1118
Attention: Mr. Daniel Villanueva

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Date Sampled: 02/26/15 – 02/27/15 @ 09:35 am
Matrix: Soil
Date Received: 03/04/15 @ 11:10 am
Date Analyzed: 03/05/15 – 03/06/15

Laboratory ID:	1503-022-23	1503-022-24	1503-022-25	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	B53-9.5-10	B54-0.5-1.0	B54-1.5-2.0			
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAM)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MI)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

(Continued)

CTEL Project No: CT214-1503022

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Laboratory ID:	1503-022-23	1503-022-24	1503-022-25	**Method**	**Units**	**Detection**
Client Sample ID:	B53-9.5-10	B54-0.5-1.0	B54-1.5-2.0			**Limit**
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m.p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2 Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	108	121	117	70-130
1,2 Dichloromethaned4	82	104	92	70-130
Toluene-d8	111	101	111	70-130
Bromofluorobenzene	122	123	125	70-130

CTEL Project No: CT214-1503022
Client Name: Advanced Geo Environmental, Inc.
837 Shaw Road
Stockton, CA 95215
Phone:(209) 467-1006
Fax: (209) 467-1118
Attention: Mr. Daniel Villanueva

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Date Sampled: 02/26/15 – 02/27/15 @ 09:35 am
Matrix: Soil
Date Received: 03/04/15 @ 11:10 am
Date Analyzed: 03/05/15 – 03/06/15

Laboratory ID:	1503-022-27	1503-022-28	1503-022-31	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	B54-3.5-4.0	B54-4.5-5.0	B54-9.5-10			
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAM)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MI)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

(Continued)

CTEL Project No: CT214-1503022

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Laboratory ID: / **Client Sample ID:**	1503-022-27 B54-3.5-4.0	1503-022-28 B54-4.5-5.0	1503-022-31 B54-9.5-10	**Method**	**Units**	**Detection Limit**
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m.p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2 Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	123	126	127	70-130
1,2 Dichloromethaned4	107	100	111	70-130
Toluene-d8	103	103	108	70-130
Bromofluorobenzene	121	119	119	70-130

CTEL Project No: CT214-1503022
Client Name: Advanced Geo Environmental, Inc.
837 Shaw Road
Stockton, CA 95215
Phone:(209) 467-1006
Fax: (209) 467-1118
Attention: Mr. Daniel Villanueva

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Date Sampled: 02/26/15 – 02/27/15 @ 09:35 am
Matrix: Soil
Date Received: 03/04/15 @ 11:10 am
Date Analyzed: 03/05/15 – 03/06/15

Laboratory ID:	1503-022-32	1503-022-34	1503-022-36	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	B55-0.5-1.0	B55-2.5-3.0	B55-4.5-5.0			
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAM)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MI)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

(Continued)

CTEL Project No: CT214-1503022

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Laboratory ID:	1503-022-32	1503-022-34	1503-022-36	**Method**	**Units**	**Detection Limit**
Client Sample ID:	B55-0.5-1.0	B55-2.5-3.0	B55-4.5-5.0			
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m.p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2 Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	114	116	116	70-130
1,2 Dichloromethaned4	114	99	105	70-130
Toluene-d8	85	117	105	70-130
Bromofluorobenzene	115	122	114	70-130

CTEL Project No: CT214-1503022
Client Name: Advanced Geo Environmental, Inc.
837 Shaw Road
Stockton, CA 95215
Phone:(209) 467-1006
Fax: (209) 467-1118
Attention: Mr. Daniel Villanueva

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Date Sampled: 02/26/15 – 02/27/15 @ 09:35 am
Matrix: Soil
Date Received: 03/04/15 @ 11:10 am
Date Analyzed: 03/05/15 – 03/06/15

Laboratory ID:	1503-022-38	1503-022-41	1503-022-42	**Method**	**Units:**	**Detection**
Client Sample ID:	B55-9.5-10	B56-4.5-5.0	B56-6.5-7.0			**Limit**
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAM)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MI)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

(Continued)

CTEL Project No: CT214-1503022

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Laboratory ID: / **Client Sample ID:**	1503-022-38 B55-9.5-10	1503-022-41 B56-4.5-5.0	1503-022-42 B56-6.5-7.0	**Method**	**Units**	**Detection Limit**
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	0.040	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m.p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2 Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	115	114	116	70-130
1,2 Dichloromethaned4	97	103	102	70-130
Toluene-d8	104	98	96	70-130
Bromofluorobenzene	123	125	126	70-130

CTEL Project No: CT214-1503022
Client Name: Advanced Geo Environmental, Inc.
837 Shaw Road
Stockton, CA 95215
Phone:(209) 467-1006
Fax: (209) 467-1118
Attention: Mr. Daniel Villanueva

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Date Sampled: 02/26/15 – 02/27/15 @ 09:35 am
Matrix: Soil
Date Received: 03/04/15 @ 11:10 am
Date Analyzed: 03/05/15 – 03/06/15

Laboratory ID:	1503-022-33	1503-022-44	1503-022-45	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	B56-8.5-9.0	B56-9.5-10	B57-0.5-1.0			
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAM)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MI)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

(Continued)

CTEL Project No: CT214-1503022

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Laboratory ID: / **Client Sample ID:**	1503-022-33 B56-8.5-9.0	1503-022-44 B56-9.5-10	1503-022-45 B57-0.5-1.0	**Method**	**Units**	**Detection Limit**
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m.p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2 Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	114	120	108	70-130
1,2 Dichloromethaned4	93	100	92	70-130
Toluene-d8	94	109	101	70-130
Bromofluorobenzene	121	124	120	70-130

CTEL Project No: CT214-1503022
Client Name: Advanced Geo Environmental, Inc.
837 Shaw Road
Stockton, CA 95215
Phone:(209) 467-1006
Fax: (209) 467-1118
Attention: Mr. Daniel Villanueva

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Date Sampled: 02/26/15 – 02/27/15 @ 09:35 am
Matrix: Soil
Date Received: 03/04/15 @ 11:10 am
Date Analyzed: 03/05/15 – 03/06/15

Laboratory ID:	1503-022-47	1503-022-50	1503-022-51	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	B57-4.5-5.0	B58-4.5-5.0	B58-6.5-7.0			
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAM)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MI)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

(Continued)

CTEL Project No: CT214-1503022

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Laboratory ID: / **Client Sample ID:**	1503-022-47 B57-4.5-5.0	1503-022-50 B58-4.5-5.0	1503-022-51 B58-6.5-7.0	**Method**	**Units**	**Detection Limit**
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	0.014	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m.p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2 Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	123	121	116	70-130
1,2 Dichloromethaned4	114	105	101	70-130
Toluene-d8	85	99	96	70-130
Bromofluorobenzene	123	122	115	70-130

CTEL Project No: CT214-1503022
Client Name: Advanced Geo Environmental, Inc.
837 Shaw Road
Stockton, CA 95215
Phone:(209) 467-1006
Fax: (209) 467-1118
Attention: Mr. Daniel Villanueva

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Date Sampled: 02/26/15 – 02/27/15 @ 09:35 am
Matrix: Soil
Date Received: 03/04/15 @ 11:10 am
Date Analyzed: 03/05/15 – 03/06/15

Laboratory ID:	1503-022-52	1503-022-54	1503-022-55	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	B58-9.5-10	B59-1.5-2.0	B59-4.5-5.0			
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAM)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MI)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

(Continued)

CTEL Project No: CT214-1503022

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Laboratory ID: / **Client Sample ID:**	1503-022-52 B58-9.5-10	1503-022-54 B59-1.5-2.0	1503-022-55 B59-4.5-5.0	**Method**	**Units**	**Detection Limit**
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	0.050	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m.p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2 Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	112	112	117	70-130
1,2 Dichloromethaned4	94	94	115	70-130
Toluene-d8	102	103	101	70-130
Bromofluorobenzene	123	127	114	70-130

CTEL Project No: CT214-1503022
Client Name: Advanced Geo Environmental, Inc.
837 Shaw Road
Stockton, CA 95215
Phone:(209) 467-1006
Fax: (209) 467-1118
Attention: Mr. Daniel Villanueva

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Date Sampled: 02/26/15 – 02/27/15 @ 09:35 am
Matrix: Soil
Date Received: 03/04/15 @ 11:10 am
Date Analyzed: 03/05/15 – 03/06/15

Laboratory ID:	1503-022-57	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	B59-9.5-10			
Dilution	1			
Dichlorodifluoromethane	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	EPA 8260B	mg/Kg	0.02
Methylene Chloride	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	EPA 8260B	mg/Kg	0.005
trans,1,2-Dichloroethene	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether(MtBE)	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	EPA 8260B	mg/Kg	0.01
cis,1,2-Dichloroethene	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAM)	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloropropene	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MI)	ND	EPA 8260B	mg/Kg	0.01
trans,1,3-Dichloropropene	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	EPA 8260B	mg/Kg	0.005

(Continued)

CTEL Project No: CT214-1503022

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Laboratory ID:	1503-022-57	Method	Units	Detection Limit
Client Sample ID:	B59-9.5-10			
1,2-Dibromoethane(EDB)	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	EPA 8260B	mg/Kg	0.001
m,p-Xylene	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	EPA 8260B	mg/Kg	0.005
tert-Butylbenzene	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	EPA 8260B	mg/Kg	0.005
sec-Butylbenzene	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	EPA 8260B	mg/Kg	0.005
1,2 Dibromo-3-Chloropropane	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	EPA 8260B	mg/Kg	0.1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY	Control Limit
Dibromofluoromethane	108	70-130
1,2 Dichloromethaned4	99	70-130
Toluene-d8	92	70-130
Bromofluorobenzene	123	70-130

Roobik Yaghoubi
Laboratory Director

*The results are base upon the sample received.

Cal Tech Environmental Laboratories, Inc. ELAP ID #: 2424

CAL TECH Environmental Laboratories

6814 Rosecrans Avenue, Paramount, CA 90723-1436
Telephone: (562) 272-2700 Fax: (562) 272-2789

QA/QC Report

Method: 8015M

Matrix: Soil

Date Analyzed: 3/5/2015

Date Extracted: 3/5/2015

Client: AGENCAL

Project: 03-022
Batch No: A50305
Inst. ID MSD #1

Lab QC
Sample ID: 03-022-05

Perimeters	Conc. ug/Kg		Spike	Recovery %		Control Limits		RPD
	MS	MSD	Added	MS	MSD	Rec.	RPD	
1,1-Dichloroethene	42	42	50	84	84	70-130	20	0
Benzene	43	44	50	86	88	70-130	20	2
Trichloroethene	47	47	50	94	94	70-130	20	0
Toluene	51	48	50	102	96	70-130	20	6
Chlorobenzene	48	46	50	96	92	70-130	20	4
m,p-Xylenes	94	94	100	94	94	70-130	20	0

MS: Matrix Spike
MSD: Matrix Spike Duplicate

RPD: Relative Percent Difference of MS and MSD

Perimeters	Method Blank	Units	Det. Limit
1,1-Dichloroethene	ND	ug/Kg	5
Benzene	ND	ug/Kg	5
Trichloroethene	ND	ug/Kg	5
Toluene	ND	ug/Kg	5
Chlorobenzene	ND	ug/Kg	5
m,p-Xylenes	ND	ug/Kg	5
MTBE	ND	ug/Kg	5
TBA	ND	ug/Kg	100
DIPE	ND	ug/Kg	10
ETBE	ND	ug/Kg	10
TAME	ND	ug/Kg	10
1,2-Dichloroethane	ND	ug/Kg	5
EDB	ND	ug/Kg	5
Ethylbenzene	ND	ug/Kg	5
o-Xylene	ND	ug/Kg	5

CAL TECH Environmental Laboratories

6814 Rosecrans Avenue, Paramount, CA 90723-1436
Telephone: (562) 272-2700 Fax: (562) 272-2789

QA/QC Report

Method: 8015M

Matrix: Soil

Date Analyzed: 3/6/2015

Date Extracted: 3/6/2005

Client: AGENCAL

Project: 03-022
Batch No: A50306
Inst. ID MSD #1

Lab QC
Sample ID: 03-022-47

Perimeters	Conc. ug/Kg		Spike	Recovery %		Control Limits		RPD
	MS	MSD	Added	MS	MSD	Rec.	RPD	
1,1-Dichloroethene	49	53	50	98	106	70-130	20	8
Benzene	54	58	50	108	116	70-130	20	8
Trichloroethene	51	54	50	102	108	70-130	20	6
Toluene	53	56	50	106	112	70-130	20	6
Chlorobenzene	54	51	50	108	102	70-130	20	6
m,p-Xylenes	106	103	100	106	103	70-130	20	3

MS: Matrix Spike
MSD: Matrix Spike Duplicate

RPD: Relative Percent Difference of MS and MSD

Perimeters	Method Blank	Units	Det. Limit
1,1-Dichloroethene	ND	ug/Kg	5
Benzene	ND	ug/Kg	5
Trichloroethene	ND	ug/Kg	5
Toluene	ND	ug/Kg	5
Chlorobenzene	ND	ug/Kg	5
m,p-Xylenes	ND	ug/Kg	5
MTBE	ND	ug/Kg	5
TBA	ND	ug/Kg	100
DIPE	ND	ug/Kg	10
ETBE	ND	ug/Kg	10
TAME	ND	ug/Kg	10
1,2-Dichloroethane	ND	ug/Kg	5
EDB	ND	ug/Kg	5
Ethylbenzene	ND	ug/Kg	5
o-Xylene	ND	ug/Kg	5

Advanced GeoEnvironmental, Inc.

www.advgeoenv.com

CHAIN OF CUSTODY RECORD

☒ 837 Shaw Road, Stockton, California 95215 • Phone (209) 467-1006 • Fax (209) 467-1118
☐ 381 Thor Place, Brea, California 92821 • Phone (714) 529-0200 • Fax (714) 529-0203
☐ 2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461
☐ 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979
☐ _____

03-022

Date: 2-3-15 Page 1 of 8

Project Name	Project Manager
Swiss Valley Cleaners	Daniel Villanueva
Client	**Sampler (initials & signature)**
	DV
Invoice to: ☒ AGE ☐ Client	**Lab Project No.:**

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs
B51-0.5-1.0	2-26-15	0915	S	1	HOLD	
B51-1.5-2.0		0920			HOLD	
B51-2.5-3.0		0925			HOLD	
B51-3.5-4.0		0930			HOLD	
B51-4.5-5.0		0935				X
B51-6.5-7.0		1240			HOLD	
B51-8.5-9.0		1250			HOLD	
B51-9.5-10		1305				X
					HOLD	

Relinquished by:	Date: 2-03-15	Time: 1700	Laboratory: CTEL		
Courier:			Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date: 3-4-15	Time: 11:10

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work.

Geotracker EDF to: ☒ geotracker@advgeoenv.com ☐ _____

Global ID:

Advanced GeoEnvironmental, Inc.

www.advgeoenv.com

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☐ 381 Thor Place, Brea, California 92821 • Phone (714) 529-0200 • Fax (714) 529-0203
☐ 2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461
☐ 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979
☐ _____

03.022

CHAIN OF CUSTODY RECORD

Date: 9-3-15 Page 2 of 8

Project Name Swiss Valley Cleaners	**Project Manager** Daniel Villanueva
Client	**Sampler (Initials & signature)** DV
Invoice to: ☒ AGE ☐ Client	**Lab Project No.:**

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOC's
B52 - 0.5 - 1.0	2-26-15	1000	S	1	HOLD	
B52 - 1.5 - 2.0		1010			HOLD	
B52 - 2.5 - 3.0		1015			HOLD	
B52 - 3.5 - 4.0		1017			HOLD	
B52 - 4.5 - 5.0		1020				X
B52 - 6.5 - 7.0		1320			HOLD	
B52 - 8.5 - 9.0		1330			HOLD	
B52 - 9.5 - 10		1340				X

Relinquished by:	Date: 9-3-15	Time: 1700	Laboratory: CTEL
Courier:		Received by:	Date: / Time:
Relinquished by:	Date:	Time:	Received by: / Date: / Time:
Relinquished by:	Date:	Time:	Received by: R Tyler / Date: 3-4-15 / Time: 11:10

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work.

Geotracker EDF to: ☒ geotracker@advgeoenv.com ☐ _____ Global ID:

Advanced GeoEnvironmental, Inc.

www.advgeoenv.com

☒ 837 Shaw Road, Stockton, California 95215 • Phone (209) 467-1006 • Fax (209) 467-1118
☐ 381 Thor Place, Brea, California 92821 • Phone (714) 529-0200 • Fax (714) 529-0203
☐ 2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461
☐ 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979
☐ _____

03_022

CHAIN OF CUSTODY RECORD

Date: 3-3-15 Page 3 of 8

Project Name Swiss Valley Cleaners	**Project Manager** David Villanueva
Client	**Sampler (initials & signature)** DV
Invoice to: ☒ AGE ☐ Client	**Lab Project No.:**

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs
B53-0.5-1.0	2-26-15	1045	S	1	HOLD	
B53-1.5-2.0		1050			HOLD	
B53-2.5-3.0		1055			HOLD	
B53-3.5-4.0		1057			HOLD	
B53-4.5-5.0		1100				X
B53-6.5-7.0		1400				X
B53-9.5-10.0		1510				X

Relinquished by:	Date: 3-3-15	Time: 1700	Laboratory: CTEL	
Courier:			Received by:	Date: / Time:
Relinquished by:	Date:	Time:	Received by:	Date: / Time:
Relinquished by:	Date:	Time:	Received by: R. Taylor	Date: 3-4-15 / Time: 11:10

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work.

Geotracker EDF to: ☒ geotracker@advgeoenv.com ☐ _____ Global ID:

Advanced GeoEnvironmental, Inc. www.advgeoenv.com

☒ 837 Shaw Road, Stockton, California 95215 • Phone (209) 467-1006 • Fax (209) 467-1118
☐ 381 Thor Place, Brea, California 92821 • Phone (714) 529-0200 • Fax (714) 529-0203
☐ 2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461
☐ 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979
☐ _____

03-022

CHAIN OF CUSTODY RECORD

Date: 3-3-15 Page 4 of 8

Project Name	Project Manager
Swiss Valley Cleaners	Daniel Villanueva
Client	**Sampler (initials & signature)** DV
Invoice to: ☒ AGE ☐ Client	**Lab Project No.:**

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOC's
B54-0.5-1.0	2-26-15	1120	S	1		X
B54-1.5-2.0	↓	1125	↓	↓		X
B54-2.5-3.0		1130			HOLD	
B54-3.5-4.0		1132				X
B54-4.5-5.0		1135				X
B54-6.5-7.0		1430			HOLD	
B54-8.5-9.0		1445			HOLD	
B54-9.5-10.	↓	1455	↓	↓		X

Relinquished by:	Date:	Time:	Laboratory:
	3-3-15	1700	CTEL

Courier:	Received by:	Date:	Time:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
			R. Taylor	3-4-15	11:10

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work.

Geotracker EDF to: ☒ Geotracker@advgeoenv.com ☐ _____ Global ID:

Advanced GeoEnvironmental, Inc.

www.advgeoenv.com

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☐ 2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461
☐ 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979
☐ _____

03-022

CHAIN OF CUSTODY RECORD

Date: 3-3-15 Page 5 of 8

Project Name Swiss Valley Cleaners	**Project Manager** Daniel Villanueva
Client	**Sampler (initials & signature)** DV
Invoice to: ☒ AGE ☐ Client	**Lab Project No.:**

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs
B55-0.5-1.0	2-26-15	1200	S	1		X
B55-1.5-2.0	"	1202	"	"	HOLD	
B55-2.5-3.0	"	1205	"	"		X
B55-3.5-4.0	"	1210	"	"	HOLD	
B55-4.5-5.0	"	1215	"	"		X
B55-6.5-7.0	"	1510	"	"	HOLD	
B55-9.5-10.0	"	1520	"	"		X

Relinquished by:	Date: 3-3-15	Time: 1700	Laboratory: CTEL		
Courier:			Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by: R. Taylor	Date: 3-4-15	Time: 11:10

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work.

Geotracker EDF to: ☒ geotracker@advgeoenv.com ☐ _____

Global ID:

Advanced GeoEnvironmental, Inc.

www.advgeoenv.com

☒ 837 Shaw Road, Stockton, California 95215 • Phone (209) 467-1006 • Fax (209) 467-1118
☐ 381 Thor Place, Brea, California 92821 • Phone (714) 529-0200 • Fax (714) 529-0203
☐ 2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461
☐ 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979
☐ _____

03-022

CHAIN OF CUSTODY RECORD

Date: 3-3-15 Page 6 of 8

Project Name Swiss Valley Cleaners	**Project Manager** Daniel Villanueva
Client	**Sampler (initials & signature)**
Invoice to: ☒ AGE ☐ Client	**Lab Project No.:**

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: TPH-G
B56-0.5-1.0	2-27-15	0910	S	1	HOLD	
B56-1.5-2.0	"	0915	"	"	HOLD	
B56-4.5-5.0	"	0955	"	"		X
B56-6.5-7.0	"	1100	"	"		X
~~B55~~ DUP B56-8.5-9.0	"	1110	"	"		X
B56-9.5-10	"	1120	"	"		X

Relinquished by:	Date: 3-3-15	Time: 1700	Laboratory: CTEL	
Courier:			Received by:	Date: / Time:
Relinquished by:	Date:	Time:	Received by:	Date: / Time:
Relinquished by:	Date:	Time:	Received by: R. Taylor	Date: 3-4-15 / Time: 11:10

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work.

Geotracker EDF to: ☒ geotracker@advgeoenv.com ☐ _____ Global ID:

Advanced GeoEnvironmental, Inc.

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CHAIN OF CUSTODY RECORD

☒ 837 Shaw Road, Stockton, California 95215 • Phone (209) 467-1006 • Fax (209) 467-1118
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☐ _____

03_022

Date: 3-3-15 Page 7 of 8

Project Name: Swiss Valley Cleaners
Project Manager: Daniel Villanueva
Client:
Sampler (initials & signature): DV
Invoice to: ☒ AGE ☐ Client
Lab Project No.:

Analysis Required

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	VOCs
B57-0.5-1.0	2-27-15	1015	S	1		X
B57-1.5-2.0		1020			HOLD	
B57-4.5-5.0		1140				X
B58-0.5-1.0					HOLD	
B58-1.5-2.0					HOLD	
B58-4.5-5.0						X
B58-6.5-7.0						X
B58-9.5-10	↓		↓	↓		X

Relinquished by:		Date: 3-3-15	Time: 1700	Laboratory: CTEL	
Courier:				Received by:	Date: / Time:
Relinquished by:		Date:	Time:	Received by:	Date: / Time:
Relinquished by:		Date:	Time:	Received by: R Tyhurst	Date: 3-4-15 / Time: 11:10

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work.

Geotracker EDF to: ☒ geotracker@advgeoenv.com ☐ _____

Global ID:

Advanced GeoEnvironmental, Inc.

www.advgeoenv.com

CHAIN OF CUSTODY RECORD

☒ 837 Shaw Road, Stockton, California 95215 • Phone (209) 467-1006 • Fax (209) 467-1118
☐ 381 Thor Place, Brea, California 92821 • Phone (714) 529-0200 • Fax (714) 529-0203
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☐ 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979
☐ _____

03-022

Date: 3-3-15 Page 8 of 8

Project Name	Swiss Valley Cleaners	Project Manager	Daniel Villanueva
Client		Sampler (initials & signature)	DV
Invoice to:	☒ AGE ☐ Client	Lab Project No.:	

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs
B59-0.5-1.0	2-27-15	1405	S	1	HOLD	
B59-1.5-2.0	"	1410	"	"		X
B59-4.5-5.0	"	1440	"	"		X
B59-6.5-7.0	"	1540	"	"	HOLD	
B59-9.5-10.0	▼	1550	▼	▼		X

Relinquished by:	Date:	Time:	Laboratory:
Dan	3-3-15	1700	CTEL

Courier:	Received by:	Date:	Time:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
			R. Taylor	3-4-15	11:12

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours (5 days (standard)) Other: _____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work.

Geotracker EDF to: ☒ geotracker@advgeoenv.com ☐ _____

Global ID:

CAL TECH Environmental Laboratories

6814 Rosecrans Avenue, Paramount, CA 90723-1648
Telephone: (562) 272-2700 Fax: (562) 272-2789

ANALYTICAL RESULTS*

CTEL Project No: CT214-1503061
Client Name: Advanced Geo Environmental, Inc.
837 Shaw Road
Stockton, CA 95215
Phone:(209) 467-1006
Fax: (209) 467-1118
Attention: Mr. Daniel Villanueva

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Date Sampled: 03/10/15 @ 10:12 am
Matrix: Soil
Date Received: 03/12/15 @ 09:30 am
Date Analyzed: 03/12/15

Laboratory ID:	1503-061-5	1503-061-6	1503-061-8	**Method**	**Units:**	**Detection**
Client Sample ID:	B60-4.5-5.0	B60-9.5-10	B61-1.5-2.0			**Limit**
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAM)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MI)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

(Continued)

CTEL Project No: CT214-1503061

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Laboratory ID: / **Client Sample ID:**	1503-061-5 B60-4.5-5.0	1503-061-6 B60-9.5-10	1503-061-8 B61-1.5-2.0	**Method**	**Units**	**Detection Limit**
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m.p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2 Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	119	119	113	70-130
1,2 Dichloromethaned4	115	109	119	70-130
Toluene-d8	99	108	107	70-130
Bromofluorobenzene	113	122	115	70-130

CTEL Project No: CT214-1503061
Client Name: Advanced Geo Environmental, Inc.
837 Shaw Road
Stockton, CA 95215
Phone:(209) 467-1006
Fax: (209) 467-1118
Attention: Mr. Daniel Villanueva

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Date Sampled: 03/10/15 @ 10:55 am
Date Received: 03/12/15 @ 09:30 am
Date Analyzed: 03/12/15
Matrix: Soil

Laboratory ID:	1503-061-11	1503-061-12	1503-061-15	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	B61-4.5-5.0	B61-9.5-10	B62-2.5-3.0			
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAM)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MI)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

(Continued)

CTEL Project No: CT214-1503061

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Laboratory ID: / **Client Sample ID:**	1503-061-11 B61-4.5-5.0	1503-061-12 B61-9.5-10	1503-061-15 B62-2.5-3.0	**Method**	**Units**	**Detection Limit**
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m.p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2 Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	117	113	113	70-130
1,2 Dichloromethaned4	122	108	125	70-130
Toluene-d8	105	100	112	70-130
Bromofluorobenzene	122	119	114	70-130

CTEL Project No: CT214-1503061
Client Name: Advanced Geo Environmental, Inc.
837 Shaw Road
Stockton, CA 95215
Phone:(209) 467-1006
Fax: (209) 467-1118
Attention: Mr. Daniel Villanueva

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Date Sampled: 03/10/15 @ 11:27 am
Date Received: 03/12/15 @ 09:30 am
Date Analyzed: 03/12/15
Matrix: Soil

Laboratory ID:	1503-061-17	1503-061-18	1503-061-20	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	B62-4.5-5.0	B62-9.5-10	B63-1.5-2.0			
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Methylene Chloride	ND	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	ND	EPA 8260B	mg/Kg	0.005
trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAM)	ND	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MI)	ND	ND	ND	EPA 8260B	mg/Kg	0.01
trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005

(Continued)

CTEL Project No: CT214-1503061

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Laboratory ID:	1503-061-17	1503-061-18	1503-061-20	**Method**	**Units**	**Detection**
Client Sample ID:	B62-4.5-5.0	B62-9.5-10	B63-1.5-2.0			**Limit**
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
m.p-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
tert-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
sec-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2 Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	ND	EPA 8260B	mg/Kg	0.1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	124	113	119	70-130
1,2 Dichloromethaned4	116	117	115	70-130
Toluene-d8	116	120	111	70-130
Bromofluorobenzene	114	126	114	70-130

CTEL Project No: CT214-1503061
Client Name: Advanced Geo Environmental, Inc.
837 Shaw Road
Stockton, CA 95215
Phone:(209) 467-1006
Fax: (209) 467-1118
Attention: Mr. Daniel Villanueva

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Date Sampled: 03/10/15 @ 13:42 pm
Date Received: 03/12/15 @ 09:30 am
Date Analyzed: 03/12/15
Matrix: Soil

Laboratory ID:	1503-061-23	1503-061-24	**Method**	**Units:**	**Detection Limit**
Client Sample ID:	B63-4.5-5.0	B63-9.5-10			
Dilution	1	1			
Dichlorodifluoromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Chloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl Chloride	ND	ND	EPA 8260B	mg/Kg	0.005
Bromomethane	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
Trichlorofluoromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Iodomethane	ND	ND	EPA 8260B	mg/Kg	0.005
Acetone	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
t-Butyl Alcohol (TBA)	ND	ND	EPA 8260B	mg/Kg	0.02
Methylene Chloride	ND	ND	EPA 8260B	mg/Kg	0.02
Freon 113	ND	ND	EPA 8260B	mg/Kg	0.01
Carbon disulfide	ND	ND	EPA 8260B	mg/Kg	0.005
trans,1,2-Dichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Methyl-tert-butyl-ether(MtBE)	ND	ND	EPA 8260B	mg/Kg	0.002
1,1-Dichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
Vinyl acetate	ND	ND	EPA 8260B	mg/Kg	0.005
Diisopropyl Ether (DIPE)	ND	ND	EPA 8260B	mg/Kg	0.002
Methyl Ethyl Ketone	ND	ND	EPA 8260B	mg/Kg	0.01
cis,1,2-Dichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Bromochloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
Chloroform	ND	ND	EPA 8260B	mg/Kg	0.005
2,2-Dichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Ethyl-t-butyl ether (ETBE)	ND	ND	EPA 8260B	mg/Kg	0.002
1,1,1-Trichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
1,1-Dichloropropene	ND	ND	EPA 8260B	mg/Kg	0.005
Carbon Tetrachloride	ND	ND	EPA 8260B	mg/Kg	0.005
Benzene	ND	ND	EPA 8260B	mg/Kg	0.001
t-Amyl Methyl Ether (TAM)	ND	ND	EPA 8260B	mg/Kg	0.002
1,2-Dichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Trichloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromomethane	ND	ND	EPA 8260B	mg/Kg	0.005
Bromodichloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chloroethylvinylether	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloropropene	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MI)	ND	ND	EPA 8260B	mg/Kg	0.01
trans,1,3-Dichloropropene	ND	ND	EPA 8260B	mg/Kg	0.005
Toluene	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2-Trichloroethane	ND	ND	EPA 8260B	mg/Kg	0.005

(Continued)

CTEL Project No: CT214-1503061

Project ID: Global ID:
Project Name: Swiss Valley Cleaners

Laboratory ID:	1503-061-23	1503-061-24	**Method**	**Units**	**Detection Limit**
Client Sample ID:	B63-4.5-5.0	B63-9.5-10			
1,2-Dibromoethane(EDB)	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Dibromochloromethane	ND	ND	EPA 8260B	mg/Kg	0.005
2-Hexanone	ND	ND	EPA 8260B	mg/Kg	0.01
Tetrachloroethene	ND	ND	EPA 8260B	mg/Kg	0.005
Chlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,1,1,2-Tetrachloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
Ethylbenzene	ND	ND	EPA 8260B	mg/Kg	0.001
m.p-Xylene	ND	ND	EPA 8260B	mg/Kg	0.001
Bromoform	ND	ND	EPA 8260B	mg/Kg	0.005
Styrene	ND	ND	EPA 8260B	mg/Kg	0.005
o-Xylene	ND	ND	EPA 8260B	mg/Kg	0.001
1,1,2,2-Tetrachloroethane	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
Isopropylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Bromobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
2-Chlorotoluene	ND	ND	EPA 8260B	mg/Kg	0.005
n-Propylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
4-Chlorotoluene	ND	ND	EPA 8260B	mg/Kg	0.005
1,3,5-Trimethylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
tert-Butylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trimethylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
sec-Butylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,3-Dichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,4-Dichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
p-Isopropyltoluene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2-Dichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
n-Butylbenzene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2 Dibromo-3-Chloropropane	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,4-Trichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Naphthalene	ND	ND	EPA 8260B	mg/Kg	0.005
1,2,3-Trichlorobenzene	ND	ND	EPA 8260B	mg/Kg	0.005
Hexachlorobutadiene	ND	ND	EPA 8260B	mg/Kg	0.005
Ethanol	ND	ND	EPA 8260B	mg/Kg	0.1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY		Control Limit
Dibromofluoromethane	113	112	70-130
1,2 Dichloromethaned4	110	116	70-130
Toluene-d8	119	108	70-130
Bromofluorobenzene	116	114	70-130

Roobik Yaghoubi
Laboratory Director

*The results are base upon the sample received.

Cal Tech Environmental Laboratories, Inc. ELAP ID #: 2424

CAL TECH Environmental Laboratories

6814 Rosecrans Avenue, Paramount, CA 90723-1646
Telephone: (562) 272-2700 Fax: (562) 272-2789

QA/QC Report

Method: 8015M

Matrix: Soil

Date Analyzed: 3/12/2015

Date Extracted: 3/12/2015

Client: AGENCAL

Project: 03-061

Batch No: A50312

Inst. ID MSD #1

Lab QC Sample ID: 03-062-11

Perimeters	Conc. ug/Kg		Spike Added	Recovery %		Control Limits		RPD
	MS	MSD		MS	MSD	Rec.	RPD	
1,1-Dichloroethene	41	40	50	82	80	70-130	30	2
Benzene	47	50	50	94	100	70-130	30	6
Trichloroethene	42	46	50	84	92	70-130	30	8
Toluene	49	54	50	98	108	70-130	30	10
Chlorobenzene	56	58	50	112	116	70-130	30	4
m,p-Xylenes	103	112	100	103	112	70-130	30	9

MS: Matrix Spike
MSD: Matrix Spike Duplicate

RPD: Relative Percent Difference of MS and MSD

Perimeters	Method Blank	Units	Det. Limit
1,1-Dichloroethene	ND	ug/Kg	5
Benzene	ND	ug/Kg	5
Trichloroethene	ND	ug/Kg	5
Toluene	ND	ug/Kg	5
Chlorobenzene	ND	ug/Kg	5
m,p-Xylenes	ND	ug/Kg	5
MTBE	ND	ug/Kg	5
TBA	ND	ug/Kg	100
DIPE	ND	ug/Kg	10
ETBE	ND	ug/Kg	10
TAME	ND	ug/Kg	10
1,2-Dichloroethane	ND	ug/Kg	5
EDB	ND	ug/Kg	5
Ethylbenzene	ND	ug/Kg	5
o-Xylene	ND	ug/Kg	5

Advanced GeoEnvironmental, Inc. www.advgeoenv.com

CHAIN OF CUSTODY RECO

- [x] 837 Shaw Road, Stockton, California 95215 • Phone (209) 467-1006 • Fax (209) 467-1118
- [ ] 381 Thor Place, Brea, California 92821 • Phone (714) 529-0200 • Fax (714) 529-0203
- [ ] 2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461
- [ ] 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979
- [ ] _____

03.061

Date: 3-11-15 Page 1 of _

Project Name: Swiss Valley Cleaners	Project Manager: Daniel Villanueva
Client:	Sampler (initials & signature): DV
Invoice to: [x] AGE [ ] Client	Lab Project No.:

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs
B60-0.5-1.0	3-10-15	0955	S	1	HOLD	
B60-1.5-2.0		1000			HOLD	
B60-2.5-3.0		1005			HOLD	
B60-3.5-4.0		1010			HOLD	
B60-4.5-5.0		1012				X
B60-9.5-10		1145				X
B61-0.5-1.0		1035			HOLD	
B61-1.5-2.0		1040				X
B61-2.5-3.0		1045			HOLD	
B61-3.5-4.0		1050			HOLD	

Relinquished by:	Date: 3-11-15	Time: 1700	Laboratory: CTEL	
Courier:			Received by:	Date: / Tim
Relinquished by:	Date:	Time:	Received by:	Date: / Tim
Relinquished by:	Date:	Time:	Received by: R. Taylor	Date: 3-12-15 / Tim 9:

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work

Geotracker EDF to: [x] geotracker@advgeoenv.com [ ] _____ Global ID:

Advanced GeoEnvironmental, Inc.

www.advgeoenv.com

☒ 837 Shaw Road, Stockton, California 95215 • Phone (209) 467-1006 • Fax (209) 467-1118
☐ 381 Thor Place, Brea, California 92821 • Phone (714) 529-0200 • Fax (714) 529-0203
☐ 2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461
☐ 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979
☐ _____

03-061

CHAIN OF CUSTODY RECORD

Date: 3-11-15 Page 2 of 3

Project Name Swiss Valley Cleaners	**Project Manager** Daniel Villanueva
Client	**Sampler (initials & signature)** DV
Invoice to: ☒ AGE ☐ Client	**Lab Project No.:**

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs
B61-4.5-5.0	3-10-15	1055	S	1		X
B61-9.5-10		1230				X
B62-0.5-1.0		1105			HOLD	
B62-1.5-2.0		1110			HOLD	
B62-2.5-3.0		1115				X
B62-3.5-4.0		1117			HOLD	
B62-4.5-5.0		1120				X
B62-9.5-10		1255				X
B63-0.5-1.0					HOLD	
B63-1.5-2.0						X

Relinquished by: DV	Date: 3-11-15	Time: 1700	Laboratory: CTEL		
Courier:			Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by: R. Taylor	Date: 3-12-15	Time: 9:[illegible]

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work.

Geotracker EDF to: ☒ geotracker@advgeoenv.com ☐ _____ Global ID:

Advanced GeoEnvironmental, Inc.

www.advgeoenv.com

☒ 837 Shaw Road, Stockton, California 95215 • Phone (209) 467-1006 • Fax (209) 467-1118
☐ 381 Thor Place, Brea, California 92821 • Phone (714) 529-0200 • Fax (714) 529-0203
☐ 2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461
☐ 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979
☐ _____

03-061

CHAIN OF CUSTODY RECORD

Date: 3-11-15 Page 3 of 3

Project Name: Swiss Valley Cleaners	Project Manager: Daniel Villanueva
Client:	Sampler (initials & signature): DV
Invoice to: ☒ AGE ☐ Client	Lab Project No.:

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs
B63-2.5-3.0	3-10-15	1335	S	1	HOLD	
B63-3.5-4.0	↓	1340	↓	↓	HOLD	
B63-4.5-5.0		1342				X
B63-9.5-10	↓	1445	↓	↓		X

Relinquished by:	Date:	Time:	Laboratory:
	3-11-15	1900	CTEL

Courier:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by: R. Toghrai	Date: 3-12-15	Time: 9:30

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work.

Geotracker EDF to: ☒ geotracker@advgeoenv.com ☐ _____ Global ID:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1503981

Report Created for: Advanced GeoEnvironmental, Inc.

837 Shaw Road
Stockton, CA 95215

Project Contact: Daniel Villanueva
Project P.O.:
Project Name: Swiss Valley Cleaners

Project Received: 03/24/2015

Analytical Report reviewed & approved for release on 04/02/2015 by:

Question about your data?

Click here to email McCampbell

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Advanced GeoEnvironmental, Inc.
Project: Swiss Valley Cleaners
WorkOrder: 1503981

Glossary Abbreviation

95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DUP	Duplicate
EDL	Estimated Detection Limit
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Quality Control Qualifiers

F2	LCS recovery for this compound is outside of acceptance limits.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Case Narrative

Client: Advanced GeoEnvironmental, Inc. **Work Order:** 1503981
Project: Swiss Valley Cleaners April 01, 2015

TO-15 ANALYSIS

All summa canisters are EVACUATED 5 days after the reporting of the results. Please call or email if a longer retention time is required.

In an effort to attain the lowest reporting limits possible for the majority of the TO-15 target list, high level compounds may be analyzed using EPA Method 8260B.

Polymer (Tedlar) bags are not recommended for TO15 samples. The disadvantages are listed in Appendix B of the DTSC Advisory of April 2012.

CDPH ELAP 1644 ♦ NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15	**Unit:**	µg/m³

Leak Check Compound

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-1	1503981-001A	SoilGas	03/23/2015 10:38	GC24	103026

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.67	25.27	AK

Analytes	Result	RL	DF	Date Analyzed
Isopropyl Alcohol	ND	50	1	03/31/2015 09:30

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-2	1503981-002A	SoilGas	03/23/2015 11:19	GC24	103026

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.28	26.47	AK

Analytes	Result	RL	DF	Date Analyzed
Isopropyl Alcohol	ND	50	1	03/31/2015 10:16

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-3	1503981-003A	SoilGas	03/23/2015 12:50	GC24	103026

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.21	24.34	AK

Analytes	Result	RL	DF	Date Analyzed
Isopropyl Alcohol	ND	50	1	03/31/2015 10:56

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15	**Unit:**	µg/m³

Leak Check Compound

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-4	**1503981-004A**	**SoilGas**	**03/23/2015 13:25**	**GC24**	**103026**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.46	**26.83**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Isopropyl Alcohol	ND	50	1	03/31/2015 11:41

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
IA-1395 MacArthur	1503981-005A	Indoor Air	03/23/2015 12:20	GC24	103063

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.58	13.58	AK

Analytes	Result	RL	DF	Date Analyzed
Acetone	**110**	60	10	03/31/2015 22:20
Acrolein	ND	0.23	1	04/01/2015 01:42
Acrylonitrile	ND	0.22	1	04/01/2015 01:42
tert-Amyl methyl ether (TAME)	ND	0.42	1	04/01/2015 01:42
Benzene	**0.50**	0.032	1	04/01/2015 01:42
Benzyl chloride	ND	0.53	1	04/01/2015 01:42
Bromodichloromethane	ND	0.0070	1	04/01/2015 01:42
Bromoform	ND	1.1	1	04/01/2015 01:42
Bromomethane	ND	0.39	1	04/01/2015 01:42
1,3-Butadiene	ND	0.22	1	04/01/2015 01:42
2-Butanone (MEK)	ND	7.5	1	04/01/2015 01:42
t-Butyl alcohol (TBA)	ND	6.2	1	04/01/2015 01:42
Carbon Disulfide	ND	0.32	1	04/01/2015 01:42
Carbon Tetrachloride	**0.46**	0.0064	1	04/01/2015 01:42
Chlorobenzene	ND	0.47	1	04/01/2015 01:42
Chloroethane	ND	0.27	1	04/01/2015 01:42
Chloroform	**0.33**	0.025	1	04/01/2015 01:42
Chloromethane	**0.62**	0.21	1	04/01/2015 01:42
Cyclohexane	ND	1.8	1	04/01/2015 01:42
Dibromochloromethane	ND	0.87	1	04/01/2015 01:42
1,2-Dibromo-3-chloropropane	ND	0.050	1	04/01/2015 01:42
1,2-Dibromoethane (EDB)	ND	0.0078	1	04/01/2015 01:42
1,2-Dichlorobenzene	ND	0.61	1	04/01/2015 01:42
1,3-Dichlorobenzene	ND	0.61	1	04/01/2015 01:42
1,4-Dichlorobenzene	**0.074**	0.030	1	04/01/2015 01:42
Dichlorodifluoromethane	**2.4**	0.50	1	04/01/2015 01:42
1,1-Dichloroethane	ND	0.41	1	04/01/2015 01:42
1,2-Dichloroethane (1,2-DCA)	**0.095**	0.0041	1	04/01/2015 01:42
1,1-Dichloroethene	ND	0.10	1	04/01/2015 01:42
cis-1,2-Dichloroethene	ND	0.40	1	04/01/2015 01:42
trans-1,2-Dichloroethene	ND	0.40	1	04/01/2015 01:42
1,2-Dichloropropane	**0.032**	0.0047	1	04/01/2015 01:42
cis-1,3-Dichloropropene	ND	0.12	1	04/01/2015 01:42
trans-1,3-Dichloropropene	ND	0.12	1	04/01/2015 01:42

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
IA-1395 MacArthur	1503981-005A	Indoor Air	03/23/2015 12:20	GC24	103063

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.58	13.58	AK

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.71	1	04/01/2015 01:42
Diisopropyl ether (DIPE)	ND	0.42	1	04/01/2015 01:42
1,4-Dioxane	ND	0.0037	1	04/01/2015 01:42
Ethyl acetate	**14**	0.92	1	04/01/2015 01:42
Ethyl tert-butyl ether (ETBE)	ND	0.42	1	04/01/2015 01:42
Ethylbenzene	ND	0.44	1	04/01/2015 01:42
4-Ethyltoluene	ND	0.50	1	04/01/2015 01:42
Freon 113	ND	0.78	1	04/01/2015 01:42
Heptane	ND	2.1	1	04/01/2015 01:42
Hexachlorobutadiene	ND	1.1	1	04/01/2015 01:42
Hexane	ND	1.8	1	04/01/2015 01:42
2-Hexanone	ND	0.42	1	04/01/2015 01:42
4-Methyl-2-pentanone (MIBK)	ND	0.42	1	04/01/2015 01:42
Methyl-t-butyl ether (MTBE)	ND	0.37	1	04/01/2015 01:42
Methylene chloride	ND	0.35	1	04/01/2015 01:42
Methyl methacrylate	**41**	0.42	1	04/01/2015 01:42
Naphthalene	**0.17**	0.11	1	04/01/2015 01:42
Propene	ND	8.8	1	04/01/2015 01:42
Styrene	ND	0.43	1	04/01/2015 01:42
1,1,1,2-Tetrachloroethane	ND	0.0070	1	04/01/2015 01:42
1,1,2,2-Tetrachloroethane	ND	0.0070	1	04/01/2015 01:42
Tetrachloroethene	**16**	0.034	1	04/01/2015 01:42
Tetrahydrofuran	ND	0.60	1	04/01/2015 01:42
Toluene	**2.3**	0.38	1	04/01/2015 01:42
1,2,4-Trichlorobenzene	ND	0.75	1	04/01/2015 01:42
1,1,1-Trichloroethane	ND	0.55	1	04/01/2015 01:42
1,1,2-Trichloroethane	ND	0.0055	1	04/01/2015 01:42
Trichloroethene	**0.029**	0.027	1	04/01/2015 01:42
Trichlorofluoromethane	**1.3**	0.57	1	04/01/2015 01:42
1,2,4-Trimethylbenzene	ND	0.50	1	04/01/2015 01:42
1,3,5-Trimethylbenzene	ND	0.50	1	04/01/2015 01:42
Vinyl Acetate	**1.4**	0.36	1	04/01/2015 01:42
Vinyl Chloride	ND	0.0026	1	04/01/2015 01:42
Xylenes, Total	ND	1.3	1	04/01/2015 01:42

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Analytical Report

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Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
IA-1395 MacArthur	**1503981-005A**	**Indoor Air**	**03/23/2015 12:20**	**GC24**	**103063**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.58	**13.58**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
1,2-DCA-d4	88	70-130		04/01/2015 01:42
Toluene-d8	94	70-130		04/01/2015 01:42
4-BFB	96	70-130		04/01/2015 01:42

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CDPH ELAP 1644 ♦ NELAP 4033ORELAP

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
IA-1383 MacArthur	1503981-006A	Indoor Air	03/23/2015 11:47	GC24	103063

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
11.87	11.87	AK

Analytes	Result	RL	DF	Date Analyzed
Acetone	**8600**	3000	500	04/02/2015 11:55
Acrolein	ND	0.26	1.1	04/01/2015 00:36
Acrylonitrile	ND	0.24	1.1	04/01/2015 00:36
tert-Amyl methyl ether (TAME)	ND	0.47	1.1	04/01/2015 00:36
Benzene	**0.64**	0.036	1.1	04/01/2015 00:36
Benzyl chloride	ND	0.59	1.1	04/01/2015 00:36
Bromodichloromethane	ND	0.0078	1.1	04/01/2015 00:36
Bromoform	ND	1.2	1.1	04/01/2015 00:36
Bromomethane	ND	0.43	1.1	04/01/2015 00:36
1,3-Butadiene	ND	0.24	1.1	04/01/2015 00:36
2-Butanone (MEK)	ND	8.3	1.1	04/01/2015 00:36
t-Butyl alcohol (TBA)	ND	6.9	1.1	04/01/2015 00:36
Carbon Disulfide	ND	0.36	1.1	04/01/2015 00:36
Carbon Tetrachloride	**0.56**	0.0071	1.1	04/01/2015 00:36
Chlorobenzene	ND	0.52	1.1	04/01/2015 00:36
Chloroethane	ND	0.30	1.1	04/01/2015 00:36
Chloroform	**5.3**	0.028	1.1	04/01/2015 00:36
Chloromethane	ND	0.23	1.1	04/01/2015 00:36
Cyclohexane	ND	1.9	1.1	04/01/2015 00:36
Dibromochloromethane	ND	0.97	1.1	04/01/2015 00:36
1,2-Dibromo-3-chloropropane	ND	0.056	1.1	04/01/2015 00:36
1,2-Dibromoethane (EDB)	ND	0.0087	1.1	04/01/2015 00:36
1,2-Dichlorobenzene	ND	0.68	1.1	04/01/2015 00:36
1,3-Dichlorobenzene	ND	0.68	1.1	04/01/2015 00:36
1,4-Dichlorobenzene	**0.33**	0.033	1.1	04/01/2015 00:36
Dichlorodifluoromethane	**0.89**	0.56	1.1	04/01/2015 00:36
1,1-Dichloroethane	ND	0.46	1.1	04/01/2015 00:36
1,2-Dichloroethane (1,2-DCA)	**0.37**	0.0046	1.1	04/01/2015 00:36
1,1-Dichloroethene	ND	0.11	1.1	04/01/2015 00:36
cis-1,2-Dichloroethene	ND	0.44	1.1	04/01/2015 00:36
trans-1,2-Dichloroethene	ND	0.44	1.1	04/01/2015 00:36
1,2-Dichloropropane	**0.059**	0.0052	1.1	04/01/2015 00:36
cis-1,3-Dichloropropene	ND	0.13	1.1	04/01/2015 00:36
trans-1,3-Dichloropropene	ND	0.13	1.1	04/01/2015 00:36

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Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
IA-1383 MacArthur	1503981-006A	Indoor Air	03/23/2015 11:47	GC24	103063

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
11.87	11.87	AK

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.79	1.1	04/01/2015 00:36
Diisopropyl ether (DIPE)	ND	0.47	1.1	04/01/2015 00:36
1,4-Dioxane	ND	0.0041	1.1	04/01/2015 00:36
Ethyl acetate	**580**	9.2	10	03/31/2015 23:02
Ethyl tert-butyl ether (ETBE)	ND	0.47	1.1	04/01/2015 00:36
Ethylbenzene	**0.53**	0.49	1.1	04/01/2015 00:36
4-Ethyltoluene	ND	0.56	1.1	04/01/2015 00:36
Freon 113	ND	0.87	1.1	04/01/2015 00:36
Heptane	**3.5**	2.3	1.1	04/01/2015 00:36
Hexachlorobutadiene	ND	1.2	1.1	04/01/2015 00:36
Hexane	ND	2.0	1.1	04/01/2015 00:36
2-Hexanone	ND	0.47	1.1	04/01/2015 00:36
4-Methyl-2-pentanone (MIBK)	ND	0.47	1.1	04/01/2015 00:36
Methyl-t-butyl ether (MTBE)	ND	0.41	1.1	04/01/2015 00:36
Methylene chloride	**0.59**	0.39	1.1	04/01/2015 00:36
Methyl methacrylate	**2900**	210	500	04/02/2015 11:55
Naphthalene	**0.41**	0.12	1.1	04/01/2015 00:36
Propene	ND	9.7	1.1	04/01/2015 00:36
Styrene	**0.66**	0.48	1.1	04/01/2015 00:36
1,1,1,2-Tetrachloroethane	ND	0.0078	1.1	04/01/2015 00:36
1,1,2,2-Tetrachloroethane	ND	0.0078	1.1	04/01/2015 00:36
Tetrachloroethene	**19**	0.038	1.1	04/01/2015 00:36
Tetrahydrofuran	ND	0.67	1.1	04/01/2015 00:36
Toluene	**15**	0.42	1.1	04/01/2015 00:36
1,2,4-Trichlorobenzene	ND	0.83	1.1	04/01/2015 00:36
1,1,1-Trichloroethane	ND	0.61	1.1	04/01/2015 00:36
1,1,2-Trichloroethane	**0.12**	0.0061	1.1	04/01/2015 00:36
Trichloroethene	**0.064**	0.030	1.1	04/01/2015 00:36
Trichlorofluoromethane	**0.84**	0.63	1.1	04/01/2015 00:36
1,2,4-Trimethylbenzene	**0.58**	0.56	1.1	04/01/2015 00:36
1,3,5-Trimethylbenzene	ND	0.56	1.1	04/01/2015 00:36
Vinyl Acetate	ND	0.40	1.1	04/01/2015 00:36
Vinyl Chloride	ND	0.0029	1.1	04/01/2015 00:36
Xylenes, Total	**2.0**	1.4	1.1	04/01/2015 00:36

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Analytical Report

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Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
IA-1383 MacArthur	**1503981-006A**	**Indoor Air**	**03/23/2015 11:47**	**GC24**	**103063**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
11.87	**11.87**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
1,2-DCA-d4	88	70-130		04/01/2015 00:36
Toluene-d8	103	70-130		04/01/2015 00:36
4-BFB	96	70-130		04/01/2015 00:36

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Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-1	1503981-001A	SoilGas	03/23/2015 10:38	GC24	103026

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.67	25.27	AK

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	03/31/2015 09:30
Acrolein	ND	1.2	1	03/31/2015 09:30
Acrylonitrile	ND	1.1	1	03/31/2015 09:30
tert-Amyl methyl ether (TAME)	ND	2.1	1	03/31/2015 09:30
Benzene	**42**	1.6	1	03/31/2015 09:30
Benzyl chloride	ND	2.6	1	03/31/2015 09:30
Bromodichloromethane	ND	3.5	1	03/31/2015 09:30
Bromoform	ND	5.2	1	03/31/2015 09:30
Bromomethane	ND	2.0	1	03/31/2015 09:30
1,3-Butadiene	ND	1.1	1	03/31/2015 09:30
2-Butanone (MEK)	ND	75	1	03/31/2015 09:30
t-Butyl alcohol (TBA)	ND	31	1	03/31/2015 09:30
Carbon Disulfide	**7.0**	1.6	1	03/31/2015 09:30
Carbon Tetrachloride	ND	3.2	1	03/31/2015 09:30
Chlorobenzene	ND	2.4	1	03/31/2015 09:30
Chloroethane	ND	1.3	1	03/31/2015 09:30
Chloroform	**2.7**	2.4	1	03/31/2015 09:30
Chloromethane	ND	1.0	1	03/31/2015 09:30
Cyclohexane	ND	18	1	03/31/2015 09:30
Dibromochloromethane	ND	4.4	1	03/31/2015 09:30
1,2-Dibromo-3-chloropropane	ND	0.12	1	03/31/2015 09:30
1,2-Dibromoethane (EDB)	ND	3.9	1	03/31/2015 09:30
1,2-Dichlorobenzene	ND	3.0	1	03/31/2015 09:30
1,3-Dichlorobenzene	ND	3.0	1	03/31/2015 09:30
1,4-Dichlorobenzene	ND	3.0	1	03/31/2015 09:30
Dichlorodifluoromethane	**2.6**	2.5	1	03/31/2015 09:30
1,1-Dichloroethane	ND	2.0	1	03/31/2015 09:30
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	03/31/2015 09:30
1,1-Dichloroethene	ND	2.0	1	03/31/2015 09:30
cis-1,2-Dichloroethene	ND	2.0	1	03/31/2015 09:30
trans-1,2-Dichloroethene	ND	2.0	1	03/31/2015 09:30
1,2-Dichloropropane	ND	2.4	1	03/31/2015 09:30
cis-1,3-Dichloropropene	ND	2.3	1	03/31/2015 09:30
trans-1,3-Dichloropropene	ND	2.3	1	03/31/2015 09:30

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-1	1503981-001A	SoilGas	03/23/2015 10:38	GC24	103026

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.67	25.27	AK

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	03/31/2015 09:30
Diisopropyl ether (DIPE)	ND	2.1	1	03/31/2015 09:30
1,4-Dioxane	ND	1.8	1	03/31/2015 09:30
Ethanol	ND	96	1	03/31/2015 09:30
Ethyl acetate	ND	1.8	1	03/31/2015 09:30
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	03/31/2015 09:30
Ethylbenzene	**39**	2.2	1	03/31/2015 09:30
4-Ethyltoluene	**53**	2.5	1	03/31/2015 09:30
Freon 113	ND	3.9	1	03/31/2015 09:30
Heptane	ND	21	1	03/31/2015 09:30
Hexachlorobutadiene	ND	5.4	1	03/31/2015 09:30
Hexane	ND	18	1	03/31/2015 09:30
2-Hexanone	ND	2.1	1	03/31/2015 09:30
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	03/31/2015 09:30
Methyl-t-butyl ether (MTBE)	ND	1.8	1	03/31/2015 09:30
Methylene chloride	ND	1.8	1	03/31/2015 09:30
Methyl methacrylate	ND	2.1	1	03/31/2015 09:30
Naphthalene	ND	5.3	1	03/31/2015 09:30
Propene	ND	88	1	03/31/2015 09:30
Styrene	**3.5**	2.2	1	03/31/2015 09:30
1,1,1,2-Tetrachloroethane	ND	3.5	1	03/31/2015 09:30
1,1,2,2-Tetrachloroethane	ND	3.5	1	03/31/2015 09:30
Tetrachloroethene	**5700**	34	10	03/31/2015 06:09
Tetrahydrofuran	**7.1**	1.5	1	03/31/2015 09:30
Toluene	**58**	1.9	1	03/31/2015 09:30
1,2,4-Trichlorobenzene	ND	3.8	1	03/31/2015 09:30
1,1,1-Trichloroethane	**9.8**	2.8	1	03/31/2015 09:30
1,1,2-Trichloroethane	ND	2.8	1	03/31/2015 09:30
Trichloroethene	**3.3**	2.8	1	03/31/2015 09:30
Trichlorofluoromethane	ND	2.8	1	03/31/2015 09:30
1,2,4-Trimethylbenzene	**98**	2.5	1	03/31/2015 09:30
1,3,5-Trimethylbenzene	**64**	2.5	1	03/31/2015 09:30
Vinyl Acetate	ND	1.8	1	03/31/2015 09:30
Vinyl Chloride	ND	1.3	1	03/31/2015 09:30

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-1	**1503981-001A**	**SoilGas**	**03/23/2015 10:38**	**GC24**	**103026**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.67	**25.27**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Xylenes, Total	**190**	6.6	1	03/31/2015 09:30

Surrogates	REC (%)	Limits	
1,2-DCA-d4	89	70-130	03/31/2015 09:30
Toluene-d8	96	70-130	03/31/2015 09:30
4-BFB	98	70-130	03/31/2015 09:30

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-2	1503981-002A	SoilGas	03/23/2015 11:19	GC24	103026

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.28	26.47	AK

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	03/31/2015 10:16
Acrolein	ND	1.2	1	03/31/2015 10:16
Acrylonitrile	ND	1.1	1	03/31/2015 10:16
tert-Amyl methyl ether (TAME)	ND	2.1	1	03/31/2015 10:16
Benzene	**8.6**	1.6	1	03/31/2015 10:16
Benzyl chloride	ND	2.6	1	03/31/2015 10:16
Bromodichloromethane	ND	3.5	1	03/31/2015 10:16
Bromoform	ND	5.2	1	03/31/2015 10:16
Bromomethane	ND	2.0	1	03/31/2015 10:16
1,3-Butadiene	ND	1.1	1	03/31/2015 10:16
2-Butanone (MEK)	ND	75	1	03/31/2015 10:16
t-Butyl alcohol (TBA)	ND	31	1	03/31/2015 10:16
Carbon Disulfide	**2.1**	1.6	1	03/31/2015 10:16
Carbon Tetrachloride	ND	3.2	1	03/31/2015 10:16
Chlorobenzene	ND	2.4	1	03/31/2015 10:16
Chloroethane	ND	1.3	1	03/31/2015 10:16
Chloroform	ND	2.4	1	03/31/2015 10:16
Chloromethane	ND	1.0	1	03/31/2015 10:16
Cyclohexane	ND	18	1	03/31/2015 10:16
Dibromochloromethane	ND	4.4	1	03/31/2015 10:16
1,2-Dibromo-3-chloropropane	ND	0.12	1	03/31/2015 10:16
1,2-Dibromoethane (EDB)	ND	3.9	1	03/31/2015 10:16
1,2-Dichlorobenzene	ND	3.0	1	03/31/2015 10:16
1,3-Dichlorobenzene	ND	3.0	1	03/31/2015 10:16
1,4-Dichlorobenzene	ND	3.0	1	03/31/2015 10:16
Dichlorodifluoromethane	**2.8**	2.5	1	03/31/2015 10:16
1,1-Dichloroethane	ND	2.0	1	03/31/2015 10:16
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	03/31/2015 10:16
1,1-Dichloroethene	ND	2.0	1	03/31/2015 10:16
cis-1,2-Dichloroethene	ND	2.0	1	03/31/2015 10:16
trans-1,2-Dichloroethene	ND	2.0	1	03/31/2015 10:16
1,2-Dichloropropane	ND	2.4	1	03/31/2015 10:16
cis-1,3-Dichloropropene	ND	2.3	1	03/31/2015 10:16
trans-1,3-Dichloropropene	ND	2.3	1	03/31/2015 10:16

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-2	1503981-002A	SoilGas	03/23/2015 11:19	GC24	103026

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.28	26.47	AK

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	03/31/2015 10:16
Diisopropyl ether (DIPE)	ND	2.1	1	03/31/2015 10:16
1,4-Dioxane	ND	1.8	1	03/31/2015 10:16
Ethanol	ND	96	1	03/31/2015 10:16
Ethyl acetate	**4.7**	1.8	1	03/31/2015 10:16
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	03/31/2015 10:16
Ethylbenzene	ND	2.2	1	03/31/2015 10:16
4-Ethyltoluene	ND	2.5	1	03/31/2015 10:16
Freon 113	ND	3.9	1	03/31/2015 10:16
Heptane	ND	21	1	03/31/2015 10:16
Hexachlorobutadiene	ND	5.4	1	03/31/2015 10:16
Hexane	ND	18	1	03/31/2015 10:16
2-Hexanone	ND	2.1	1	03/31/2015 10:16
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	03/31/2015 10:16
Methyl-t-butyl ether (MTBE)	ND	1.8	1	03/31/2015 10:16
Methylene chloride	ND	1.8	1	03/31/2015 10:16
Methyl methacrylate	**19**	2.1	1	03/31/2015 10:16
Naphthalene	ND	5.3	1	03/31/2015 10:16
Propene	ND	88	1	03/31/2015 10:16
Styrene	ND	2.2	1	03/31/2015 10:16
1,1,1,2-Tetrachloroethane	ND	3.5	1	03/31/2015 10:16
1,1,2,2-Tetrachloroethane	ND	3.5	1	03/31/2015 10:16
Tetrachloroethene	**5400**	86	25	04/02/2015 04:50
Tetrahydrofuran	**3.9**	1.5	1	03/31/2015 10:16
Toluene	**2.2**	1.9	1	03/31/2015 10:16
1,2,4-Trichlorobenzene	ND	3.8	1	03/31/2015 10:16
1,1,1-Trichloroethane	**27**	2.8	1	03/31/2015 10:16
1,1,2-Trichloroethane	ND	2.8	1	03/31/2015 10:16
Trichloroethene	ND	2.8	1	03/31/2015 10:16
Trichlorofluoromethane	ND	2.8	1	03/31/2015 10:16
1,2,4-Trimethylbenzene	**9.8**	2.5	1	03/31/2015 10:16
1,3,5-Trimethylbenzene	**2.7**	2.5	1	03/31/2015 10:16
Vinyl Acetate	ND	1.8	1	03/31/2015 10:16
Vinyl Chloride	ND	1.3	1	03/31/2015 10:16

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-2	**1503981-002A**	**SoilGas**	**03/23/2015 11:19**	**GC24**	**103026**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.28	**26.47**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Xylenes, Total	ND	6.6	1	03/31/2015 10:16
Surrogates	**REC (%)**	**Limits**		
1,2-DCA-d4	91	70-130		03/31/2015 10:16
Toluene-d8	98	70-130		03/31/2015 10:16
4-BFB	96	70-130		03/31/2015 10:16

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-3	1503981-003A	SoilGas	03/23/2015 12:50	GC24	103026

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.21	24.34	AK

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	03/31/2015 10:56
Acrolein	ND	1.2	1	03/31/2015 10:56
Acrylonitrile	ND	1.1	1	03/31/2015 10:56
tert-Amyl methyl ether (TAME)	ND	2.1	1	03/31/2015 10:56
Benzene	**13**	1.6	1	03/31/2015 10:56
Benzyl chloride	ND	2.6	1	03/31/2015 10:56
Bromodichloromethane	ND	3.5	1	03/31/2015 10:56
Bromoform	ND	5.2	1	03/31/2015 10:56
Bromomethane	ND	2.0	1	03/31/2015 10:56
1,3-Butadiene	ND	1.1	1	03/31/2015 10:56
2-Butanone (MEK)	ND	75	1	03/31/2015 10:56
t-Butyl alcohol (TBA)	ND	31	1	03/31/2015 10:56
Carbon Disulfide	**3.1**	1.6	1	03/31/2015 10:56
Carbon Tetrachloride	ND	3.2	1	03/31/2015 10:56
Chlorobenzene	ND	2.4	1	03/31/2015 10:56
Chloroethane	ND	1.3	1	03/31/2015 10:56
Chloroform	ND	2.4	1	03/31/2015 10:56
Chloromethane	ND	1.0	1	03/31/2015 10:56
Cyclohexane	ND	18	1	03/31/2015 10:56
Dibromochloromethane	ND	4.4	1	03/31/2015 10:56
1,2-Dibromo-3-chloropropane	ND	0.12	1	03/31/2015 10:56
1,2-Dibromoethane (EDB)	ND	3.9	1	03/31/2015 10:56
1,2-Dichlorobenzene	ND	3.0	1	03/31/2015 10:56
1,3-Dichlorobenzene	ND	3.0	1	03/31/2015 10:56
1,4-Dichlorobenzene	ND	3.0	1	03/31/2015 10:56
Dichlorodifluoromethane	**2.6**	2.5	1	03/31/2015 10:56
1,1-Dichloroethane	ND	2.0	1	03/31/2015 10:56
1,2-Dichloroethane (1,2-DCA)	ND	2.0	1	03/31/2015 10:56
1,1-Dichloroethene	ND	2.0	1	03/31/2015 10:56
cis-1,2-Dichloroethene	ND	2.0	1	03/31/2015 10:56
trans-1,2-Dichloroethene	ND	2.0	1	03/31/2015 10:56
1,2-Dichloropropane	ND	2.4	1	03/31/2015 10:56
cis-1,3-Dichloropropene	ND	2.3	1	03/31/2015 10:56
trans-1,3-Dichloropropene	ND	2.3	1	03/31/2015 10:56

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-3	1503981-003A	SoilGas	03/23/2015 12:50	GC24	103026

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.21	24.34	AK

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	03/31/2015 10:56
Diisopropyl ether (DIPE)	ND	2.1	1	03/31/2015 10:56
1,4-Dioxane	ND	1.8	1	03/31/2015 10:56
Ethanol	ND	96	1	03/31/2015 10:56
Ethyl acetate	ND	1.8	1	03/31/2015 10:56
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	03/31/2015 10:56
Ethylbenzene	**3.9**	2.2	1	03/31/2015 10:56
4-Ethyltoluene	**6.2**	2.5	1	03/31/2015 10:56
Freon 113	ND	3.9	1	03/31/2015 10:56
Heptane	ND	21	1	03/31/2015 10:56
Hexachlorobutadiene	ND	5.4	1	03/31/2015 10:56
Hexane	ND	18	1	03/31/2015 10:56
2-Hexanone	ND	2.1	1	03/31/2015 10:56
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	03/31/2015 10:56
Methyl-t-butyl ether (MTBE)	ND	1.8	1	03/31/2015 10:56
Methylene chloride	ND	1.8	1	03/31/2015 10:56
Methyl methacrylate	ND	2.1	1	03/31/2015 10:56
Naphthalene	ND	5.3	1	03/31/2015 10:56
Propene	ND	88	1	03/31/2015 10:56
Styrene	ND	2.2	1	03/31/2015 10:56
1,1,1,2-Tetrachloroethane	ND	3.5	1	03/31/2015 10:56
1,1,2,2-Tetrachloroethane	ND	3.5	1	03/31/2015 10:56
Tetrachloroethene	**8300**	86	25	04/02/2015 05:29
Tetrahydrofuran	**3.3**	1.5	1	03/31/2015 10:56
Toluene	**5.1**	1.9	1	03/31/2015 10:56
1,2,4-Trichlorobenzene	ND	3.8	1	03/31/2015 10:56
1,1,1-Trichloroethane	**21**	2.8	1	03/31/2015 10:56
1,1,2-Trichloroethane	ND	2.8	1	03/31/2015 10:56
Trichloroethene	**19**	2.8	1	03/31/2015 10:56
Trichlorofluoromethane	ND	2.8	1	03/31/2015 10:56
1,2,4-Trimethylbenzene	**29**	2.5	1	03/31/2015 10:56
1,3,5-Trimethylbenzene	**6.8**	2.5	1	03/31/2015 10:56
Vinyl Acetate	ND	1.8	1	03/31/2015 10:56
Vinyl Chloride	ND	1.3	1	03/31/2015 10:56

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-3	**1503981-003A**	**SoilGas**	**03/23/2015 12:50**	**GC24**	**103026**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
12.21	**24.34**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Xylenes, Total	**24**	6.6	1	03/31/2015 10:56

Surrogates	REC (%)	Limits	
1,2-DCA-d4	90	70-130	03/31/2015 10:56
Toluene-d8	98	70-130	03/31/2015 10:56
4-BFB	96	70-130	03/31/2015 10:56

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-4	**1503981-004A**	**SoilGas**	**03/23/2015 13:25**	**GC24**	**103026**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.46	**26.83**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	60	1	03/31/2015 11:41
Acrolein	ND	1.2	1	03/31/2015 11:41
Acrylonitrile	ND	1.1	1	03/31/2015 11:41
tert-Amyl methyl ether (TAME)	ND	2.1	1	03/31/2015 11:41
Benzene	**17**	1.6	1	03/31/2015 11:41
Benzyl chloride	ND	2.6	1	03/31/2015 11:41
Bromodichloromethane	ND	3.5	1	03/31/2015 11:41
Bromoform	ND	5.2	1	03/31/2015 11:41
Bromomethane	ND	2.0	1	03/31/2015 11:41
1,3-Butadiene	ND	1.1	1	03/31/2015 11:41
2-Butanone (MEK)	ND	75	1	03/31/2015 11:41
t-Butyl alcohol (TBA)	ND	31	1	03/31/2015 11:41
Carbon Disulfide	**2.3**	1.6	1	03/31/2015 11:41
Carbon Tetrachloride	ND	3.2	1	03/31/2015 11:41
Chlorobenzene	ND	2.4	1	03/31/2015 11:41
Chloroethane	ND	1.3	1	03/31/2015 11:41
Chloroform	**3.4**	2.4	1	03/31/2015 11:41
Chloromethane	ND	1.0	1	03/31/2015 11:41
Cyclohexane	ND	18	1	03/31/2015 11:41
Dibromochloromethane	ND	4.4	1	03/31/2015 11:41
1,2-Dibromo-3-chloropropane	ND	0.12	1	03/31/2015 11:41
1,2-Dibromoethane (EDB)	ND	3.9	1	03/31/2015 11:41
1,2-Dichlorobenzene	ND	3.0	1	03/31/2015 11:41
1,3-Dichlorobenzene	ND	3.0	1	03/31/2015 11:41
1,4-Dichlorobenzene	ND	3.0	1	03/31/2015 11:41
Dichlorodifluoromethane	**2.8**	2.5	1	03/31/2015 11:41
1,1-Dichloroethane	ND	2.0	1	03/31/2015 11:41
1,2-Dichloroethane (1,2-DCA)	**2.2**	2.0	1	03/31/2015 11:41
1,1-Dichloroethene	ND	2.0	1	03/31/2015 11:41
cis-1,2-Dichloroethene	ND	2.0	1	03/31/2015 11:41
trans-1,2-Dichloroethene	ND	2.0	1	03/31/2015 11:41
1,2-Dichloropropane	ND	2.4	1	03/31/2015 11:41
cis-1,3-Dichloropropene	ND	2.3	1	03/31/2015 11:41
trans-1,3-Dichloropropene	ND	2.3	1	03/31/2015 11:41

(Cont.)

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-4	1503981-004A	SoilGas	03/23/2015 13:25	GC24	103026

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.46	26.83	AK

Analytes	Result	RL	DF	Date Analyzed
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	3.6	1	03/31/2015 11:41
Diisopropyl ether (DIPE)	ND	2.1	1	03/31/2015 11:41
1,4-Dioxane	ND	1.8	1	03/31/2015 11:41
Ethanol	ND	96	1	03/31/2015 11:41
Ethyl acetate	ND	1.8	1	03/31/2015 11:41
Ethyl tert-butyl ether (ETBE)	ND	2.1	1	03/31/2015 11:41
Ethylbenzene	**9.4**	2.2	1	03/31/2015 11:41
4-Ethyltoluene	**9.6**	2.5	1	03/31/2015 11:41
Freon 113	ND	3.9	1	03/31/2015 11:41
Heptane	ND	21	1	03/31/2015 11:41
Hexachlorobutadiene	ND	5.4	1	03/31/2015 11:41
Hexane	ND	18	1	03/31/2015 11:41
2-Hexanone	ND	2.1	1	03/31/2015 11:41
4-Methyl-2-pentanone (MIBK)	ND	2.1	1	03/31/2015 11:41
Methyl-t-butyl ether (MTBE)	ND	1.8	1	03/31/2015 11:41
Methylene chloride	ND	1.8	1	03/31/2015 11:41
Methyl methacrylate	ND	2.1	1	03/31/2015 11:41
Naphthalene	ND	5.3	1	03/31/2015 11:41
Propene	ND	88	1	03/31/2015 11:41
Styrene	ND	2.2	1	03/31/2015 11:41
1,1,1,2-Tetrachloroethane	ND	3.5	1	03/31/2015 11:41
1,1,2,2-Tetrachloroethane	ND	3.5	1	03/31/2015 11:41
Tetrachloroethene	**7600**	86	25	04/02/2015 06:16
Tetrahydrofuran	**4.7**	1.5	1	03/31/2015 11:41
Toluene	**14**	1.9	1	03/31/2015 11:41
1,2,4-Trichlorobenzene	ND	3.8	1	03/31/2015 11:41
1,1,1-Trichloroethane	**26**	2.8	1	03/31/2015 11:41
1,1,2-Trichloroethane	ND	2.8	1	03/31/2015 11:41
Trichloroethene	**5.6**	2.8	1	03/31/2015 11:41
Trichlorofluoromethane	ND	2.8	1	03/31/2015 11:41
1,2,4-Trimethylbenzene	**29**	2.5	1	03/31/2015 11:41
1,3,5-Trimethylbenzene	**5.7**	2.5	1	03/31/2015 11:41
Vinyl Acetate	ND	1.8	1	03/31/2015 11:41
Vinyl Chloride	ND	1.3	1	03/31/2015 11:41

(Cont.)

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Project:	Swiss Valley Cleaners	**Extraction Method:**	TO15
Date Received:	3/24/15 12:19	**Analytical Method:**	TO15
Date Prepared:	3/31/15-4/2/15	**Unit:**	µg/m³

Volatile Organic Compounds in µg/m³

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
SS-4	**1503981-004A**	**SoilGas**	**03/23/2015 13:25**	**GC24**	**103026**

Initial Pressure (psia)	Final Pressure (psia)	Analyst(s)
13.46	**26.83**	**AK**

Analytes	Result	RL	DF	Date Analyzed
Xylenes, Total	**44**	6.6	1	03/31/2015 11:41

Surrogates	REC (%)	Limits	
1,2-DCA-d4	90	70-130	03/31/2015 11:41
Toluene-d8	100	70-130	03/31/2015 11:41
4-BFB	97	70-130	03/31/2015 11:41

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Date Prepared:	4/1/15	**BatchID:**	103063
Date Analyzed:	3/31/15	**Extraction Method:**	TO15
Instrument:	GC24	**Analytical Method:**	TO15
Matrix:	Soilgas	**Unit:**	nL/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-103063

QC Summary Report for TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	ND	25	25	-	86	60-140
Acrolein	ND	27.1	0.50	25	-	109	60-140
Acrylonitrile	ND	24.1	0.50	25	-	96	60-140
tert-Amyl methyl ether (TAME)	ND	25.8	0.50	25	-	103	60-140
Benzene	ND	27.3	0.50	25	-	109	60-140
Benzyl chloride	ND	31.8	0.50	25	-	127	60-140
Bromodichloromethane	ND	29.8	0.50	25	-	119	60-140
Bromoform	ND	31.2	0.50	25	-	125	60-140
Bromomethane	ND	29.2	0.50	25	-	117	60-140
1,3-Butadiene	ND	26.9	0.50	25	-	108	60-140
2-Butanone (MEK)	ND	25.7	25	25	-	103	60-140
t-Butyl alcohol (TBA)	ND	22.9	10	25	-	92	60-140
Carbon Disulfide	ND	28.7	0.50	25	-	115	60-140
Carbon Tetrachloride	ND	32.9	0.50	25	-	132	60-140
Chlorobenzene	ND	29.2	0.50	25	-	117	60-140
Chloroethane	ND	24.6	0.50	25	-	98	60-140
Chloroform	ND	27.3	0.50	25	-	109	60-140
Chloromethane	ND	24.9	0.50	25	-	100	60-140
Cyclohexane	ND	26.3	5.0	25	-	105	60-140
Dibromochloromethane	ND	34.8	0.50	25	-	139	60-140
1,2-Dibromo-3-chloropropane	ND	26.9	0.012	25	-	108	60-140
1,2-Dibromoethane (EDB)	ND	29.5	0.50	25	-	118	60-140
1,2-Dichlorobenzene	ND	32.4	0.50	25	-	130	60-140
1,3-Dichlorobenzene	ND	32.9	0.50	25	-	132	60-140
1,4-Dichlorobenzene	ND	33.3	0.50	25	-	133	60-140
Dichlorodifluoromethane	ND	26.8	0.50	25	-	107	60-140
1,1-Dichloroethane	ND	27.0	0.50	25	-	108	60-140
1,2-Dichloroethane (1,2-DCA)	ND	26.3	0.50	25	-	105	60-140
1,1-Dichloroethene	ND	27.9	0.50	25	-	111	60-140
cis-1,2-Dichloroethene	ND	28.2	0.50	25	-	113	60-140
trans-1,2-Dichloroethene	ND	28.0	0.50	25	-	112	60-140
1,2-Dichloropropane	ND	26.8	0.50	25	-	107	60-140
cis-1,3-Dichloropropene	ND	29.3	0.50	25	-	117	60-140
trans-1,3-Dichloropropene	ND	27.3	0.50	25	-	109	60-140
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	26.9	0.50	25	-	108	60-140
Diisopropyl ether (DIPE)	ND	25.1	0.50	25	-	100	60-140
1,4-Dioxane	ND	29.1	0.50	25	-	116	60-140
Ethanol	ND	-	50	-	-	-	-
Ethyl acetate	ND	27.5	0.50	25	-	110	60-140
Ethyl tert-butyl ether (ETBE)	ND	24.9	0.50	25	-	100	60-140

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Date Prepared:	4/1/15	**BatchID:**	103063
Date Analyzed:	3/31/15	**Extraction Method:**	TO15
Instrument:	GC24	**Analytical Method:**	TO15
Matrix:	Soilgas	**Unit:**	nL/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-103063

QC Summary Report for TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Ethylbenzene	ND	29.9	0.50	25	-	120	60-140
4-Ethyltoluene	ND	33.0	0.50	25	-	132	60-140
Freon 113	ND	28.0	0.50	25	-	112	60-140
Heptane	ND	25.8	5.0	25	-	103	60-140
Hexachlorobutadiene	ND	37.5	0.50	25	-	150, F2	60-140
Hexane	ND	27.4	5.0	25	-	109	60-140
2-Hexanone	ND	27.5	0.50	25	-	110	60-140
4-Methyl-2-pentanone (MIBK)	ND	27.4	0.50	25	-	110	60-140
Methyl-t-butyl ether (MTBE)	ND	28.4	0.50	25	-	113	60-140
Methylene chloride	ND	25.4	0.50	25	-	101	60-140
Methyl methacrylate	ND	29.6	0.50	25	-	118	60-140
Naphthalene	ND	74.2	1.0	50	-	148, F2	60-140
Propene	ND	ND	50	25	-	97	60-140
Styrene	ND	33.6	0.50	25	-	134	60-140
1,1,1,2-Tetrachloroethane	ND	27.0	0.50	25	-	108	60-140
1,1,2,2-Tetrachloroethane	ND	30.0	0.50	25	-	120	60-140
Tetrachloroethene	ND	26.6	0.50	25	-	106	60-140
Tetrahydrofuran	ND	24.6	0.50	25	-	98	60-140
Toluene	ND	27.9	0.50	25	-	112	60-140
1,2,4-Trichlorobenzene	ND	31.4	0.50	25	-	126	60-140
1,1,1-Trichloroethane	ND	29.0	0.50	25	-	116	60-140
1,1,2-Trichloroethane	ND	28.2	0.50	25	-	113	60-140
Trichloroethene	ND	27.3	0.50	25	-	109	60-140
Trichlorofluoromethane	ND	30.4	0.50	25	-	122	60-140
1,2,4-Trimethylbenzene	ND	32.0	0.50	25	-	128	60-140
1,3,5-Trimethylbenzene	ND	31.0	0.50	25	-	124	60-140
Vinyl Acetate	ND	30.4	0.50	25	-	122	60-140
Vinyl Chloride	ND	24.5	0.50	25	-	98	60-140
Xylenes, Total	ND	90.9	1.5	75	-	121	60-140
Surrogate Recovery							
1,2-DCA-d4	451	467		500	90	93	60-140
Toluene-d8	476	486		500	95	97	60-140
4-BFB	468	477		500	94	95	60-140

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Date Prepared:	3/31/15	**BatchID:**	103026
Date Analyzed:	3/30/15	**Extraction Method:**	TO15
Instrument:	GC24	**Analytical Method:**	TO15
Matrix:	Soilgas	**Unit:**	nL/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-103026

QC Summary Report for TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	ND	25	25	-	97	60-140
Acrolein	ND	24.1	0.50	25	-	96	60-140
Acrylonitrile	ND	23.4	0.50	25	-	93	60-140
tert-Amyl methyl ether (TAME)	ND	27.6	0.50	25	-	110	60-140
Benzene	ND	25.5	0.50	25	-	102	60-140
Benzyl chloride	ND	26.9	0.50	25	-	108	60-140
Bromodichloromethane	ND	28.3	0.50	25	-	113	60-140
Bromoform	ND	27.7	0.50	25	-	111	60-140
Bromomethane	ND	23.5	0.50	25	-	94	60-140
1,3-Butadiene	ND	19.9	0.50	25	-	80	60-140
2-Butanone (MEK)	ND	25.6	25	25	-	102	60-140
t-Butyl alcohol (TBA)	ND	25.2	10	25	-	101	60-140
Carbon Disulfide	ND	27.8	0.50	25	-	111	60-140
Carbon Tetrachloride	ND	31.4	0.50	25	-	125	60-140
Chlorobenzene	ND	28.0	0.50	25	-	112	60-140
Chloroethane	ND	23.5	0.50	25	-	94	60-140
Chloroform	ND	26.4	0.50	25	-	106	60-140
Chloromethane	ND	25.6	0.50	25	-	102	60-140
Cyclohexane	ND	25.1	5.0	25	-	100	60-140
Dibromochloromethane	ND	32.7	0.50	25	-	131	60-140
1,2-Dibromo-3-chloropropane	ND	29.9	0.012	25	-	119	60-140
1,2-Dibromoethane (EDB)	ND	28.3	0.50	25	-	113	60-140
1,2-Dichlorobenzene	ND	30.1	0.50	25	-	120	60-140
1,3-Dichlorobenzene	ND	30.7	0.50	25	-	123	60-140
1,4-Dichlorobenzene	ND	31.0	0.50	25	-	124	60-140
Dichlorodifluoromethane	ND	26.3	0.50	25	-	105	60-140
1,1-Dichloroethane	ND	26.0	0.50	25	-	104	60-140
1,2-Dichloroethane (1,2-DCA)	ND	25.9	0.50	25	-	104	60-140
1,1-Dichloroethene	ND	27.2	0.50	25	-	109	60-140
cis-1,2-Dichloroethene	ND	27.2	0.50	25	-	109	60-140
trans-1,2-Dichloroethene	ND	26.8	0.50	25	-	107	60-140
1,2-Dichloropropane	ND	25.4	0.50	25	-	101	60-140
cis-1,3-Dichloropropene	ND	28.3	0.50	25	-	113	60-140
trans-1,3-Dichloropropene	ND	26.5	0.50	25	-	106	60-140
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	26.0	0.50	25	-	104	60-140
Diisopropyl ether (DIPE)	ND	26.3	0.50	25	-	105	60-140
1,4-Dioxane	ND	27.7	0.50	25	-	111	60-140
Ethanol	ND	ND	50	25	-	75	60-140
Ethyl acetate	ND	26.4	0.50	25	-	106	60-140
Ethyl tert-butyl ether (ETBE)	ND	26.8	0.50	25	-	107	60-140

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1503981
Date Prepared:	3/31/15	**BatchID:**	103026
Date Analyzed:	3/30/15	**Extraction Method:**	TO15
Instrument:	GC24	**Analytical Method:**	TO15
Matrix:	Soilgas	**Unit:**	nL/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-103026

QC Summary Report for TO15

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Ethylbenzene	ND	28.1	0.50	25	-	112	60-140
4-Ethyltoluene	ND	31.2	0.50	25	-	125	60-140
Freon 113	ND	27.0	0.50	25	-	108	60-140
Heptane	ND	24.8	5.0	25	-	99	60-140
Hexachlorobutadiene	ND	33.5	0.50	25	-	134	60-140
Hexane	ND	26.2	5.0	25	-	105	60-140
2-Hexanone	ND	26.3	0.50	25	-	105	60-140
4-Methyl-2-pentanone (MIBK)	ND	26.8	0.50	25	-	107	60-140
Methyl-t-butyl ether (MTBE)	ND	27.2	0.50	25	-	109	60-140
Methylene chloride	ND	24.2	0.50	25	-	97	60-140
Methyl methacrylate	ND	26.8	0.50	25	-	107	60-140
Naphthalene	ND	63.8	1.0	50	-	128	60-140
Propene	ND	ND	50	25	-	97	60-140
Styrene	ND	28.3	0.50	25	-	113	60-140
1,1,1,2-Tetrachloroethane	ND	30.6	0.50	25	-	123	60-140
1,1,2,2-Tetrachloroethane	ND	28.2	0.50	25	-	113	60-140
Tetrachloroethene	ND	27.1	0.50	25	-	108	60-140
Tetrahydrofuran	ND	23.9	0.50	25	-	96	60-140
Toluene	ND	27.1	0.50	25	-	108	60-140
1,2,4-Trichlorobenzene	ND	27.2	0.50	25	-	109	60-140
1,1,1-Trichloroethane	ND	28.0	0.50	25	-	112	60-140
1,1,2-Trichloroethane	ND	27.2	0.50	25	-	109	60-140
Trichloroethene	ND	26.2	0.50	25	-	105	60-140
Trichlorofluoromethane	ND	27.1	0.50	25	-	109	60-140
1,2,4-Trimethylbenzene	ND	29.5	0.50	25	-	118	60-140
1,3,5-Trimethylbenzene	ND	28.5	0.50	25	-	114	60-140
Vinyl Acetate	ND	27.3	0.50	25	-	109	60-140
Vinyl Chloride	ND	23.6	0.50	25	-	94	60-140
Xylenes, Total	ND	86.0	1.5	75	-	115	60-140
Surrogate Recovery							
1,2-DCA-d4	460	475		500	92	95	60-140
Toluene-d8	477	484		500	95	97	60-140
4-BFB	476	484		500	95	97	60-140

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1503981 **ClientCode: AGES**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Daniel Villanueva
Advanced GeoEnvironmental, Inc.
837 Shaw Road
Stockton, CA 95215
(209) 467-1006 FAX: (209) 467-1118

Email: dvillanueva@advgeoenv.com
cc/3rd Party:
PO:
ProjectNo: Swiss Valley Cleaners

Bill to:
Erica
Advanced GeoEnvironmental, Inc.
837 Shaw Road
Stockton, CA 95215
ebart@advgeoenv.com

Requested TAT: 5 days

Date Received: **03/24/2015**
Date Printed: **04/03/2015**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1503981-001	SS-1	SoilGas	3/23/2015 10:38	☐	A		A	A	A	A						
1503981-002	SS-2	SoilGas	3/23/2015 11:19	☐			A	A	A	A						
1503981-003	SS-3	SoilGas	3/23/2015 12:50	☐			A	A	A	A						
1503981-004	SS-4	SoilGas	3/23/2015 13:25	☐			A	A	A	A						
1503981-005	IA-1395 MacArthur	Indoor Air	3/23/2015 12:20	☐		A										
1503981-006	IA-1383 MacArthur	Indoor Air	3/23/2015 11:47	☐		A										

Test Legend:

1	PREDF REPORT	2	015_SCAN-SIM_Indoor(ug/m	3	O15_Scan-SIM_SOIL(UG/M3	4	TO15-8260_SOIL(UG/M3)	5	TO15-LC_SOIL(UG/M3)
6	TO15-LC8260_SOIL(UG/M3)	7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A contain testgroup.

Prepared by: Maria Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: ADVANCED GEOENVIRONMENTAL, INC. **QC Level:** LEVEL 2 **Work Order:** 1503981
Project: Swiss Valley Cleaners **Client Contact:** Daniel Villanueva **Date Received:** 3/24/2015
Comments: **Contact's Email:** dvillanueva@advgeoenv.com

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1503981-001A	SS-1	SoilGas	TO15 for Soil Vapor (Scan-SIM)	1	1L Summa	☐	3/23/2015 10:38	5 days		☐	
1503981-002A	SS-2	SoilGas	TO15 for Soil Vapor (Scan-SIM)	1	1L Summa	☐	3/23/2015 11:19	5 days		☐	
1503981-003A	SS-3	SoilGas	TO15 for Soil Vapor (Scan-SIM)	1	1L Summa	☐	3/23/2015 12:50	5 days		☐	
1503981-004A	SS-4	SoilGas	TO15 for Soil Vapor (Scan-SIM)	1	1L Summa	☐	3/23/2015 13:25	5 days		☐	
1503981-005A	IA-1395 MacArthur	Indoor Air	TO15 (VOCs, Scan SIM) (µg/m³)	1	6L Summa	☐	3/23/2015 12:20	5 days		☐	
1503981-006A	IA-1383 MacArthur	Indoor Air	TO15 (VOCs, Scan SIM) (µg/m³)	1	6L Summa	☐	3/23/2015 11:47	5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

1503981

Advanced GeoEnvironmental, Inc.

www.advgeoenv.com

- [x] 837 Shaw Road, Stockton, California 95215 • Phone (209) 467-1006 • Fax (209) 467-1118
- [ ] 381 Thor Place, Brea, California 92821 • Phone (714) 529-0200 • Fax (714) 529-0203
- [ ] 2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461
- [ ] 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979
- [ ] _____

CHAIN OF CUSTODY RECORD

Date: 3-23-15 Page 1 of 1

Project Name	Swiss Valley Cleaners
Client	
Invoice to:	[x] AGE [ ] Client
Project Manager	Daniel Villanueva
Sampler (initials & signature)	
Lab Project No.:	

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs	Analysis Required: TPH
SS-1	3-23-15	1038	A	1	can# 1985-1933 Manifold# 316-727	X	X
SS-2	"	1119	A	1	can# 1984-1932 Manifold# 316-689	X	X
SS-3	"	1250	A	1	can# 1922-1905 Manifold # 316-682	X	X
SS-4	"	1335	A	1	can# 1987-1935 Manifold # 316-676	X	X
IA-1395 MacArthur	3-23 to 3-24-15	1200 to 0930	A	1	* can only started w/ 21 Hg ; final pressure = 0 Hg after ~20 hours sampling	X	
IA-1383 MacArthur	3-23 to 3-24-15	1147 to 1000	A	1	Initial Pressure = 27.5 Hg Final Presure = 5 Hg	X	

Relinquished by:		Date: 3-24-15	Time: 1050	Laboratory: McCampbell	
Courier:				Received by: Luka M Santos	Date: 3/24/15 Time: 10:38
Relinquished by:		Date:	Time:	Received by:	Date: Time:
Relinquished by:		Date:	Time:	Received by:	Date: Time:

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Matrix Codes: A = Air W = Water S = Solid

Special Instructions to lab:

I hereby authorize the performance of the above indicated work.

Geotracker EDF to: [x] geotracker@advgeoenv.com [ ] _____ Global ID:

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: **Advanced GeoEnvironmental, Inc.** Date and Time Received: **3/24/2015 12:19:04 PM**

Project Name: **Swiss Valley Cleaners** LogIn Reviewed by: Maria Venegas

WorkOrder №: **1503981** Matrix: Indoor Air/SoilGas Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes	☑	No	☐
Chain of custody signed when relinquished and received?	Yes	☑	No	☐
Chain of custody agrees with sample labels?	Yes	☑	No	☐
Sample IDs noted by Client on COC?	Yes	☑	No	☐
Date and Time of collection noted by Client on COC?	Yes	☑	No	☐
Sampler's name noted on COC?	Yes	☑	No	☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes	☐	No	☐	NA ☑
Shipping container/cooler in good condition?	Yes	☑	No	☐	
Samples in proper containers/bottles?	Yes	☑	No	☐	
Sample containers intact?	Yes	☑	No	☐	
Sufficient sample volume for indicated test?	Yes	☑	No	☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	
Sample/Temp Blank temperature	Temp:				NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
Samples Received on Ice?	Yes	☐	No	☑	

UCMR3 Samples:

Total Chlorine tested and acceptable upon receipt for EPA 522?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt for EPA 218.7, 300.1, 537, 539?	Yes	☐	No	☐	NA ☑

** NOTE: If the "No" box is checked, see comments below.*

Comments:

24 March 2015

Mr. Daniel Villanueva
Advanced GeoEnvironmental, Inc.
837 Shaw Road
Stockton, CA 95215

SUBJECT: DATA REPORT - Advanced GeoEnvironmental, Inc. Project # 12-2461
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California

TEG Project # 50226F

Mr. Villanueva:

Please find enclosed a data report for the soil vapor samples analyzed from the above referenced project for Advanced GeoEnvironmental, Inc. The samples were analyzed on site in TEG's mobile laboratory. TEG conducted a total of 15 analyses on 15 soil vapor samples.

-- 15 analyses on soil vapors for volatile organic hydrocarbons by EPA method 8260B.

The results of the analyses are summarized in the enclosed tables. Applicable detection limits and calibration data are included in the tables.

TEG appreciates the opportunity to have provided analytical services to Advanced GeoEnvironmental, Inc. on this project. If you have any further questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Mark Jerpbak
Director, TEG-Northern California

Advanced GeoEnvironmental, Inc. Project # 12-2461
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California

TEG Project #50226F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		Syringe Blank	Syringe Blank	Syringe Blank	B51-Vapor	B52-Vapor	B53-Vapor
SAMPLE DEPTH (feet):					5.0	5.0	5.0
PURGE VOLUME:					3	3	3
COLLECTION DATE:		2/26/15	2/27/15	3/10/15	2/26/15	2/26/15	2/26/15
COLLECTION TIME:		10:10	09:47	10:14	10:37	10:58	11:47
DILUTION FACTOR:	RL	1	1	1	1	1	1
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd	nd
Vinyl Chloride	100	nd	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Carbon Tetrachloride	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	100	nd	nd	nd	nd	nd	nd
Benzene	80	nd	nd	nd	96	nd	nd
Trichloroethene	100	nd	nd	nd	nd	nd	nd
Toluene	200	nd	nd	nd	300	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene	100	nd	nd	nd	170	260	350
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	230	nd
o-Xylene	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		83%	78%	86%	81%	82%	85%
Surrogate Recovery (1,2-DCA-d4)		84%	81%	90%	88%	92%	96%
Surrogate Recovery (Toluene-d8)		91%	89%	94%	89%	87%	93%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Leif Jonsson

11350 Monier Park Place, Rancho Cordova, CA 95742 • Phone (916) 853-8010 • Fax (916) 853-8020

TEG Project #50226F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		B54-Vapor	B55-Vapor	B55-Vapor dup	B56-Vapor	B58-Vapor	B58-Vapor dup
SAMPLE DEPTH (feet):		5.0	5.0	5.0	5.0	5.0	5.0
PURGE VOLUME:		3	3	3	3	3	3
COLLECTION DATE:		2/26/15	2/26/15	2/26/15	2/27/15	2/27/15	2/27/15
COLLECTION TIME:		12:26	12:55	12:55	10:39	13:17	13:17
DILUTION FACTOR:		1	1	1	1	1	1
	RL						
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd	nd
Vinyl Chloride	100	nd	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	350	510	510
Carbon Tetrachloride	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	100	nd	nd	nd	nd	nd	nd
Benzene	80	nd	nd	nd	nd	nd	nd
Trichloroethene	100	nd	nd	nd	nd	nd	nd
Toluene	200	nd	290	260	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene	100	1300	1700	1700	36000	68000	70000
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		89%	85%	86%	86%	85%	87%
Surrogate Recovery (1,2-DCA-d4)		98%	99%	97%	88%	91%	90%
Surrogate Recovery (Toluene-d8)		94%	91%	91%	91%	90%	91%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Leif Jonsson

11350 Monier Park Place, Rancho Cordova, CA 95742 • Phone (916) 853-8010 • Fax (916) 853-8020

TEG Project #50226F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		B59-Vapor	B60-Vapor	B61-Vapor	B62-Vapor	B63-Vapor	B63-Vapor dup
SAMPLE DEPTH (feet):		5.0	5.0	5.0	5.0	5.0	5.0
PURGE VOLUME:		3	3	3	3	3	3
COLLECTION DATE:		2/27/15	3/10/15	3/10/15	3/10/15	3/10/15	3/10/15
COLLECTION TIME:		15:17	10:47	11:26	12:04	14:19	14:19
DILUTION FACTOR:	RL	1	1	1	1	1	1
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd	nd
Vinyl Chloride	100	nd	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	140	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	870	nd	nd	nd	nd	nd
Carbon Tetrachloride	100	nd	nd	nd	nd	nd	nd
1,2-Dichloroethane	100	nd	nd	nd	nd	nd	nd
Benzene	80	nd	nd	nd	nd	nd	nd
Trichloroethene	100	nd	nd	nd	nd	nd	nd
Toluene	200	380	nd	nd	nd	nd	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd	nd
Tetrachloroethene	100	18000	nd	210	nd	nd	nd
Ethylbenzene	100	nd	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		86%	88%	88%	87%	90%	90%
Surrogate Recovery (1,2-DCA-d4)		94%	94%	97%	98%	105%	107%
Surrogate Recovery (Toluene-d8)		93%	94%	90%	92%	94%	93%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Mr. Leif Jonsson

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TEG Project #50226F

CALIBRATION DATA - Calibration Check Compounds

	Vinyl Chloride	1,1 DCE	Chloroform	1,2 DCP	Toluene	Ethylbenzene
Midpoint	10.0	10.0	10.0	10.0	10.0	10.0
Continuing Calibration - Midpoint						
2/26/15	8.8	8.6	9.1	9.6	9.6	9.8
	88%	86%	91%	96%	96%	98%
2/27/15	8.5	8.8	9.5	10.0	10.0	9.9
	85%	88%	95%	100%	100%	99%
3/10/15	10.6	8.5	9.1	8.9	9.2	9.5
	106%	85%	91%	89%	92%	95%

APPENDIX F

Remedial Action Work Plan
SWISS VALLEY CLEANERS
1395 MacArthur Boulevard, San Leandro, California

INTRODUCTION

On behalf of Mr. William Mathews Brooks of Ardenbrook, Inc., *Advanced* GeoEnvironmental, Inc. (AGE) has prepared this work plan for soil remediation at 1395 MacArthur Boulevard, San Leandro, California. The purpose of this work plan is to detail the design, installation and operation of a carbon-based SVE system seventeen (17) SVE wells to remediate tetrachloroethene (PCE) from the soil and soil-vapor associated with the unauthorized release of dry cleaning solvents at the site.

Based on the results of a SVE pilot test performed at the site on 26 August 2014, AGE is recommending the installation of an interim SVE system and augmenting the existing shallow-screened SVE wells VW-1 through VW-4 with seventeen (17) additional SVE wells within the subject suite.

The location of the site and the surrounding area are illustrated on Figure 1; a plan of the site is illustrated on Figure 2.

SCOPE OF WORK

Based on the results of the pilot study and historical site assessment, AGE proposes to install, operate and maintain a SVE remediation system utilizing existing shallow SVE wells VW-1 through VW-4. Additionally AGE proposes to install seventeen (17) additional shallow SVE wells at locations based upon the theoretical radius of influence (ROI) determined in the pilot study.

Soil remediation field activities will consist of the following tasks:

- Pre-field work activities (permitting, power source determination);
- Underground utility mapping and clearances;
- Installation of additional SVE wells;
- Installation of a soil vapor extraction piping network and SVE system;
- Fenced enclosure installation;
- Soil vapor extraction system start-up period;
- Monitoring and maintenance activities; and
- Report preparation.

Each of these tasks is described in greater detail below.

PRE-FIELD WORK ACTIVITIES

Applicable site permits will be obtained from the City of San Leandro (i.e., electrical, building, plumbing, etc.) and from the Bay Area Air Quality Management District (BAAQMD). In addition, an update to the health and safety plan presently on-file will be prepared in accordance with *Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities* (National Institute for Occupational Safety and Health Administration, U.S. Coast Guard and U.S. Environmental Protection Agency, 1985). Prior to mobilization, all underground trenching areas will be clearly marked and a utility clearance obtained through Underground Service Alert.

REMEDIATION WELLS

Currently, four SVE wells (VW-1 through VW-4) are installed on the site. All wells are installed to a total depth of seven feet below surface grade (bsg) Proposed wells will be installed within the subject facility and in areas of previously encountered PCE impact. Based on the results of the pilot test, a theoretical radius of influence of approximately 17.25 feet was estimated for installed wells. The locations of the proposed additional SVE wells are depicted in Figure 8.

INSTALLATION OF REMEDIATION SYSTEM PIPING NETWORK

The remediation system piping network will be installed either underground in a 1-foot wide by 1½-foot deep trench or above ground. In the trench, 2-inch diameter, schedule 40 PVC piping will be manifolded from the well-heads at each SVE well location, then routed to the proposed SVE unit (regenerative blower and related carbon filtration). Following piping placement, the trench will be backfilled with imported road-base sand, compacted, and resurfaced to grade with concrete.

PROPOSED SOIL REMEDIATION SYSTEM

The selected SVE treatment unit will consist of a condensation separator, a vacuum blower, a minimum of three virgin coconut carbon canisters (1,000 pounds each) and control components. The 2-inch diameter piping installed from the well-head at the SVE wells will be connected to the inlet of the condensation separator, which leads into the vacuum blower. The outlet from the vacuum blower will be routed through the three carbon vessels prior to release to the atmospheric air.

Induced vacuum will be measured utilizing a Magnehelic® vacuum gauge attached to the inlet of the blower; SVE vapor flow will be monitored using a Dwyer® DS-200 flow sensor. Sampling ports will be installed upstream of the vacuum blower inlet to recover SVE influent vapor flow vapor stream samples, and downstream of the third carbon unit to recover effluent SVE vapor flow samples and to monitor the efficiency of hydrocarbon destruction. A schematic diagram of the SVE treatment unit is depicted on Figure 7.

The proposed location of the SVE system and fenced enclosure is in the rear of the facility and outside of the back door of the former dry cleaning facility (Figure 6). The selected location will not interfere with current businesses, delivery vehicles and other business. The SVE unit will be secured by a chain-linked, barbed-wire, gated enclosure approximately 12 feet wide, 16 feet long and 8 feet high. Electricity is readily available to the site.

REMEDIATION START-UP PERIOD

In order to monitor hydrocarbon destruction efficiency during the SVE start-up period (first week of operation), influent and effluent vapor samples will be collected on a daily basis and submitted to a State of California Department of Public Health (CDPH)-certified laboratory for analysis of volatile organic compounds (VOC's) by EPA method 8260B.

SVE operational parameters including soil-vapor concentrations, vapor flow and vacuum will be monitored on a daily basis to gauge the optimal destruction rate of recovered hydrocarbon vapors.

Following the SVE start-up period, soil vapor samples will be collected on a monthly basis and the SVE operational parameters will be monitored on a weekly basis to monitor cleanup progress.

MONITORING AND MAINTENANCE

Following the initial start-up period, influent and effluent vapor samples will be collected on a monthly basis and submitted to a CDPH-certified laboratory for analysis for VOC's. Laboratory report for vapor sample analyses, testing methods, laboratory quality assurance/quality control (QA/QC) reports and sample chain of custody documentation will be presented in quarterly reports.

The SVE remediation system will be maintained on a weekly basis according to manufacturer's recommendations (i.e., lubrication, system adjustments, etc.).

REPORT PREPARATION

Quarterly reports will be prepared presenting the findings from the SVE activities. The quarterly reports will include a description of work performed and the results of the influent and effluent vapor samples. Conclusions and recommendations will also be included in the reports, if applicable. The report will be in a format acceptable to ACWD guidelines and will be reviewed and signed by a California Professional Geologist.

FIELD PROCEDURES

All field procedures will be overseen by an AGE representative under the supervision of a California Professional Geologist. Procedures for underground piping installation, start-up period and weekly/monthly operation and maintenance procedures are described below.

PILOT BORING ADVANCEMENT

Seventeen pilot soil borings will be advanced at the site to depths of approximately 7 feet bsg. The borings will be advanced utilizing either 7-inch hand auger or a tracked mounted drilling rig with 8-inch hollow stem augers. The locations of the proposed borings are illustrated on Figure 8. Cuttings generated during drilling activities will be temporarily containerized in DOT-approved 55-gallon drums. Upon characterization, the cuttings will be properly disposed at a licensed landfill facility.

WELL COMPLETION

Wells will be completed as single-casing soil vapor extraction and observation wells utilizing 2-inch diameter schedule 40 polyvinylchloride (PVC), 0.020-inch slotted well screen and blank well casing. A 5-foot length of well screen, from 2 feet to 7 feet bsg, is anticipated for installation of each shallow-screened well. After installing each well casing, a filter pack material consisting of #3 sand will be added to the top of the screen. A nominal bentonite seal will be placed above the filter pack to seal the wells.

A diagram illustrating the proposed constructions has been included as Figures 8.

REMEDIATION SYSTEM PIPING NETWORK

A network of 2-inch diameter, schedule 40 PVC piping will be installed from each remediation well in a series of trenches, approximately 12 inch wide and 18 inches deep or above ground. All PVC piping will be routed from each remediation well head to the SVE condensation entrapment tank, located inside the SVE remediation system fenced

enclosure. A PVC ball valve will be installed at each SVE well head so that soil vapor can be drawn from each well independently or from a combination of specific wells. Following piping placement, the trench will be backfilled with imported road-base sand, compacted, and resurfaced with concrete/asphalt.

SOIL VAPOR EXTRACTION SYSTEM DESIGN

The SVE unit, consisting of a condensation separator, a vacuum blower and three 1,000 pound virgin coconut carbon filtration vessels, are proposed for chlorinated hydrocarbon vapor recovery at the site. The SVE unit should be able to extract soil vapor between 100 and 150 cubic feet per minute (cfm). The SVE unit will be connected through a manifold box to each SVE; chlorinated hydrocarbon vapors extracted from these wells will be sequentially routed through a condensation entrapment chamber and a vacuum blower before entering three vapor phase carbon scrubbers for final destruction. A diagram of a typical system is illustrated on Figure 7.

Induced vacuum measurements will be collected utilizing a Magnehelic® vacuum gauge attached near the inlet of the blower; SVE vapor flow will be monitored using a Dwyer® DS-200 flow sensor. Following the start-up period, the SVE vapor flow along the influent and effluent lines will be monitored weekly for the presence of organic vapor using an OVM equipped with a PID. Sampling ports will be installed upstream of the vacuum blower inlet to recover SVE influent soil vapor stream samples and downstream of the three 1,000-pound carbon vessels to sample effluent SVE vapor samples to monitor the efficiency of chlorinated hydrocarbon destruction.

SOIL VAPOR EXTRACTION MONITORING

During the start-up period for the SVE system, soil vapor samples will be collected and operational parameters will be monitored on a daily basis. The anticipated start-up period will be approximately one week.

Following the start-up period, the vapor extraction system will be monitored weekly using a PID and Dwyer® DS-200 flow sensor to ensure optimal destruction of recovered vapors and to monitor cleanup progress. The PID readings will be taken and recorded from the influent end of the vacuum blower unit and the effluent end of the third 1,000 pound carbon vessel. Operational parameters (air flow, air vacuum and volume of processed vapor) will be measured on a weekly basis to monitor and record soil-vapor volumes extracted and operational efficiency.

Vapor samples will be collected on a monthly basis from the influent and effluent end of the vapor extraction system utilizing an electric vacuum pump. The samples will be collected into Tedlar® bags and transported under chain of custody to a CDPH-certified laboratory and analyzed for VOC’s.