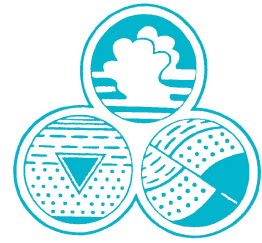


Advanced
GeoEnvironmental, Inc.



03 June 2013
AGE Project No. 12-2461

Mr. William Mathews Brooks
Ardenbrook, Inc.
4725 Thornton Avenue
Fremont, California 94536

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

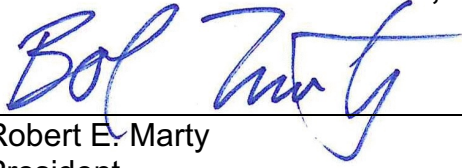
Dear Mr. Brooks:

At your request, *Advanced* GeoEnvironmental, Inc. has prepared the enclosed, *Site Assessment Report* for the site located at 1395 MacArthur Boulevard, San Leandro, California. The scope of work included the advancement of two soil borings for collection of soil and groundwater samples and three borings for the collection of soil vapor samples. Borings were advanced at the site to evaluate chlorinated hydrocarbon impact to soil and groundwater from historical dry cleaning operations at the site.

If you have any questions or require further information, please contact me at (209) 467-1006.

Sincerely,

Advanced GeoEnvironmental, Inc.



Robert E. Marty
President

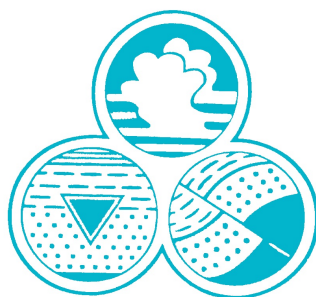
Site Assessment Report
SWISS VALLEY CLEANERS
1395 MacArthur Boulevard, San Leandro, California

03 June 2013
AGE Project No. 12-2461

PREPARED FOR:

Mr. William Mathews Brooks
ARDENBROOK, INC.

PREPARED BY:



Advanced GeoEnvironmental, Inc.

Stockton • Santa Rosa • Monterey • Brea • Spokane • Reno • Dallas

(800) 511-9300

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Site Assessment Report
SWISS VALLEY CLEANERS
1001 Railroad Avenue, San Leandro, California

03 June 2013
AGE Project No. 12-2461



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PREPARED BY:

A handwritten signature in blue ink that reads "Daniel Villanueva".

Daniel J. Villanueva
Project Geologist

PROJECT MANAGER:

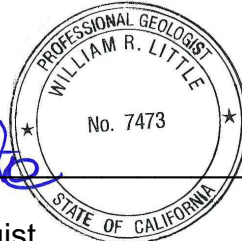
A handwritten signature in blue ink that reads "Bob Marty".

Robert Marty
President

REVIEWED BY:

A handwritten signature in blue ink that reads "William Little".

William R. Little
Senior Project Geologist
California Professional Geologist No. 7473



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

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

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- Appendix B - *Alameda County Boring Permit*
- Appendix C - *Boring Logs*
- Appendix D - *CTEL Laboratory Report*

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

1.0. INTRODUCTION

Advanced GeoEnvironmental, Inc. (AGE) has prepared the enclosed *Site Assessment Report* for the site located at 1395 MacArthur Boulevard, San Leandro, California (site). The scope of work included the advancement of two soil borings for collection of soil and grab groundwater samples and three soil borings for collection of soil vapor samples to assess the chlorinated hydrocarbon impact resulting from previous dry cleaning operations performed at the site. The location of the site and the surrounding area are illustrated in Figure 1; site structures and monitoring well locations are illustrated in Figure 2.

2.0. PROCEDURES

Soil probe boring advancement and sampling procedures were outlined in the AGE-prepared, *Phase II Site Assessment Work Plan*, dated 01 May 2013 (Appendix A). Borings were installed at the site under Alameda County Public Work Agency - Water Resources Well Permit number W2013-0338 (Appendix B).

2.1. SOIL PROBE BORING ADVANCEMENT

On 07 and 08 May 2013, AGE advanced five soil probe borings at the site, utilizing a truck-mounted AMS Powerprobe direct-push probing unit (B9 and B10) and direct push hand tooling (V1 through V3). Borings B9 and B10 were advanced on the northeast and southwest ends of the site building. Borings V1 through V3 were advanced on the north and west ends of the dry cleaning machine. The locations of the soil borings are illustrated in Figure 2.

2.2. SOIL-VAPOR SAMPLE COLLECTION

Soil-vapor samples were collected from borings V1 through V3 at depths of 5 feet below surface grade (bsg) using a rotohammer and soil vapor sampling assembly.

A expandable vapor tip was placed at the bottom of an assembly of 0.5-inch diameter hollow rods. Single use, ¼-inch diameter disposable tubing was then attached to a tubing adapter on the expandable vapor tip. The assembly and rods were then advanced to the specified depth and retracted approximately six inches in order to disengage the expendable point and expose a column of strata from which soil-vapor could be extracted. Above ground, the surface around the soil-vapor sampler was sealed with a bentonite sealant to prevent ambient air intrusion. Once the bentonite was hydrated, the end of the

tubing above ground was attached to a lung box and was purged using a vacuum pump for approximately two minutes. Once purging was completed a 1 liter tedlar bag was filled using the vacuum pump and lung box with vapor from the formation.

Vapor samples were labeled with sample ID, project name, date, time and samplers' initials. The sample was logged on a chain-of-custody form, and placed into a dry shipping container (room temperature). Subsequently, all the collected soil-vapor samples were delivered to Cal Tech Environmental Laboratories a State of California Department of Public Health (CDPH)-certified analytical laboratory, for volatile organic compounds (VOCs) by EPA method 8260B.

2.3. SOIL SAMPLE COLLECTION

Soil samples were collected from probe borings B9 and B10 at depths of five, ten and fifteen feet bsg. Each sample was collected utilizing a 1.5-inch Geoprobe soil sampling assembly loaded with a two-foot acetate liner. After sample collection, a selected section of the acetate liner was removed from the two-foot section and the ends of the section were covered with Teflon sheets, capped and sealed with tape. The selected section was labeled with the sample designation, date, time, and sampler's initials, then stored on ice and transported under chain-of-custody to Cal Tech Environmental Laboratories (CTEL), a CDPH-certified analytical laboratory in Paramount, California. Selected samples were analyzed for VOCs.

The remaining soil from the acetate liners were then extruded into plastic bags, visually classified in accordance with the Unified Soil Classification System (USCS) and recorded on a boring log. Additionally, 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 log are included in Appendix C.

2.4. 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.

2.5. BOREHOLE ABANDONMENT

Following soil boring activities at B9 and B10, each borehole was permanently sealed to prevent the vertical migration of contaminants. Under Alameda County oversight, the boreholes were backfilled with a portland type II cement slurry from the total depth to surface grade. For borings V1 through V3 bentonite crumbles were used to fill the boreholes from total depth to near surface grade. Once in place, the crumbles were hydrated and the surfaces were completed with rapid setting concrete; rapid setting concrete and black dye were utilized to finish the surfaces at the boring locations for B9 and B10.

3.0. FINDINGS

Chlorinated hydrocarbon impact was inferred based on laboratory analysis of soil-vapor, soil and grab groundwater samples collected at the site during the May 2013 investigative activities.

3.1. ANALYTICAL RESULTS OF SOIL VAPOR SAMPLES

A total of three soil vapor samples were collected from borings advanced on 08 May 2013 and were analyzed for the constituents listed in section 2.2. Tetrachloroethene (PCE) was detected in all three vapor samples (V1 through V3) at concentrations of 29 micrograms per liter ($\mu\text{g/l}$; or 29,000 micrograms per cubic meter; $\mu\text{g/m}^3$), 23 $\mu\text{g/l}$ (or 23,000 $\mu\text{g/m}^3$) and 15 $\mu\text{g/l}$ (or 15,000 $\mu\text{g/m}^3$), respectively.

No other analytes were reported in the analyzed soil-vapor samples. Analytical results of soil-vapor samples are summarized in Table 1. Laboratory report (CT214-1305060), QA/QC reports and chain of custody forms are included in Appendix D.

3.2 STRATIGRAPHY & SUMMARY OF PID MEASUREMENTS

A total of three samples were collected from each boring (B9 and B10) at depths of five, ten and fifteen feet. Based on field observations, generally brown, dry, plastic clay was observed in boring B9 at depths of five and ten feet bsg. Mottled, dry, fine grained silty sand was encountered within the boring at 15 feet bsg. Brown to light brown, dry silt with some fine grained sand was observed in boring B10 at five, ten and fifteen feet bsg.

No odors were noted during field sample collection at both boring locations. A slightly positive PID reading was measured only in the sample collected at five feet bsg in boring B9-5 (0.5 parts per million volume; ppmv).

Boring logs summarizing findings from the May 2013 investigation are included in Appendix C.

3.3. ANALYTICAL RESULTS OF SOIL SAMPLES

A total of six soil samples were collected from borings advanced at the site during the May 2013 investigation. PCE was detected in all three samples collected from boring B9 (B9-5, B9-10 and B9-15) and in only one sample from boring B10 (B10-5). PCE was detected in four of the six soil samples at a maximum concentration 0.028 milligrams per kilogram (mg/kg; B9-5).

No other constituents of concern were reported in samples collected during the May 2013 investigation. Analytical results from the May 2013 investigation are summarized in Table 2. The laboratory report (CTEL Project No. CT214-1305056), QA/QC reports and chain of custody forms are included in Appendix D.

3.4. ANALYTICAL RESULTS OF GRAB GROUNDWATER SAMPLES

One grab groundwater sample was collected from soil borings B9 and B10 at a depth of 46 to 50 feet bsg during the May 2013 investigation. PCE was detected in both grab groundwater samples (B9W@-46-50 and B10W@46-50) at concentrations of 7.6 µg/l and 2.7 µg/l, respectively.

No other constituents of concern were reported in samples collected during the May 2013 investigation. Analytical results from the May 2013 investigation are summarized in Table 3. The laboratory report (CTEL Project No. CT214-1305056), QA/QC reports and chain of custody forms are included in Appendix D.

4.0. SUMMARY/CONCLUSIONS

Based upon the findings of this investigation, AGE concludes:

- A total of five borings (B9, B10 and V1 through V3) were advanced at the site for collection of soil, grab groundwater and soil vapor samples during the May 2013 investigation. Soil samples were collected at depths of 5, 10 and 15 feet bsg and groundwater samples were collected at 46 to 50 feet bsg in borings B9 and B10. Soil vapor samples were collected at a depth of 5 feet bsg in borings V1 through V3 (Figure 2).
- Based on soil samples collected during the May 2013 investigation silts, clays and silty sand are generally located from near surface grade to the maximum investigated depth of 15 feet bsg (Appendix C).
- A total of three soil vapor samples were collected surrounding the currently installed dry cleaning machine during the May 2013 investigation. PCE was reported at elevated concentrations above Commercial Land Use Environmental Screening Levels (ESLs) in all three samples (Table 1).
- A total of six soil samples were submitted for laboratory analysis. PCE was detected in all three samples collected at boring B9 and in one sample collected from B10 (Table 2). PCE detections in soil samples collected during the May 2013 are all below Commercial Land Use ESLs.
- A total of two grab groundwater samples were collected from boring B9 and B10 and were submitted for laboratory analysis. PCE was detected in both samples at a maximum concentration of 7.6 µg/l. The PCE concentrations reported in the grab groundwater sample collected from boring B9 was slightly above the Environmental Screening Levels (ESLs) for Commercial Land Use (5 µg/l; Table 3). However, based on the depth to groundwater encountered at the site, the application of this ESL standard may not be appropriate or generally a requirement.
- To date the source area of the PCE impact has not yet been identified based. Further, PCE impact to soil, groundwater and soil vapor are currently undefined both laterally and vertically. Low concentration of PCE in soil and groundwater may indicate that impacted soil and groundwater are both laterally and vertically limited. Biodegradation of the PCE has not been demonstrated based the lack of detections for additional chlorinated solvents (daughter products of PCE).

5.0. RECOMMENDATIONS

Based on the results of this investigation, AGE recommends the following:

- Preparation of sub-slab vapor mitigation work plan. The work plan will include

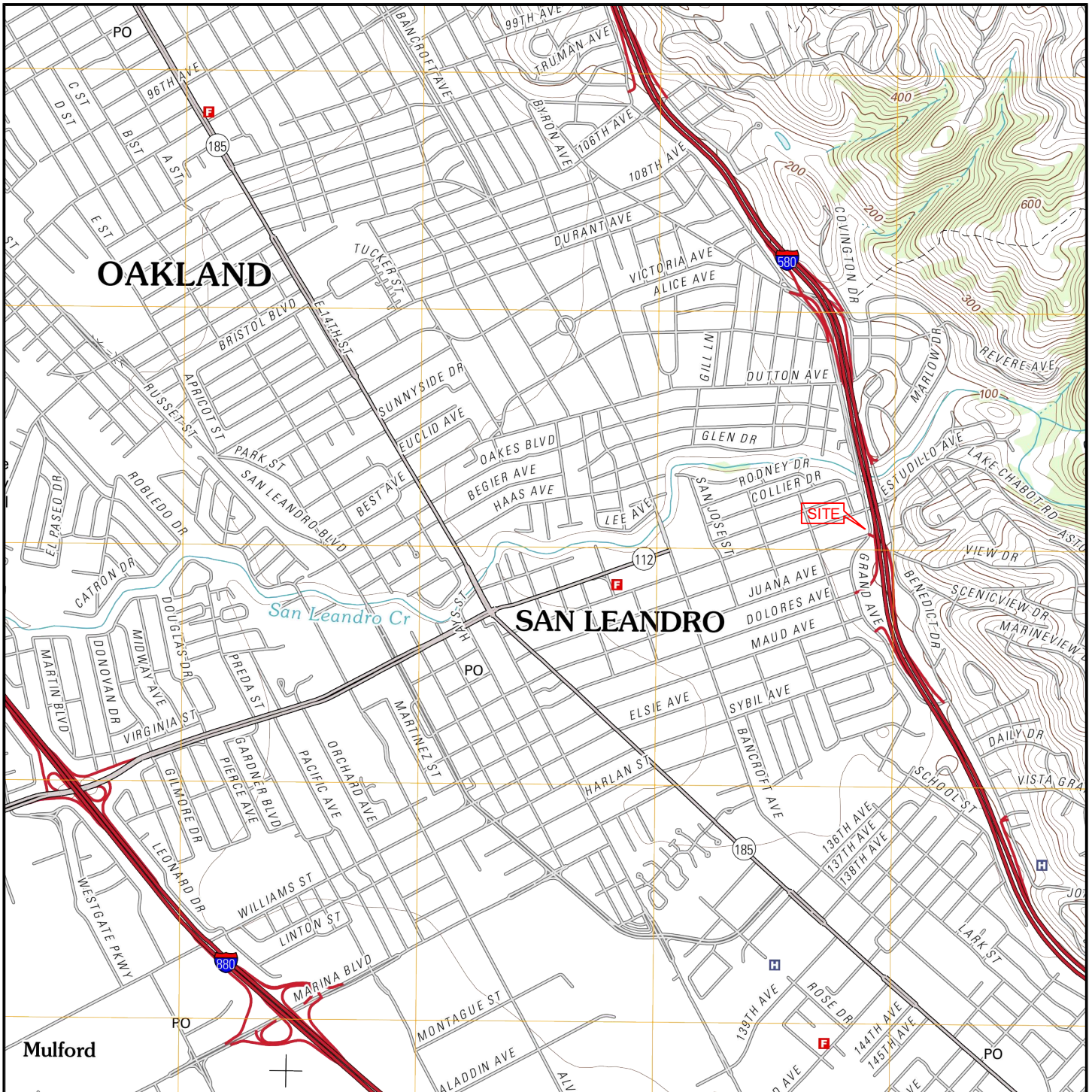
procedures for the installation of sub-slab vapor extraction points, remedial piping and a vapor mitigation remediation system.

- Preparation of an additional site assessment work plan to aide in the definition of the lateral and vertical extent of chlorinated hydrocarbons impact to soil and groundwater at the site.

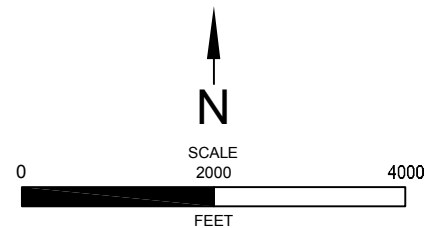
6.0. LIMITATIONS

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. groundwater samples, 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



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

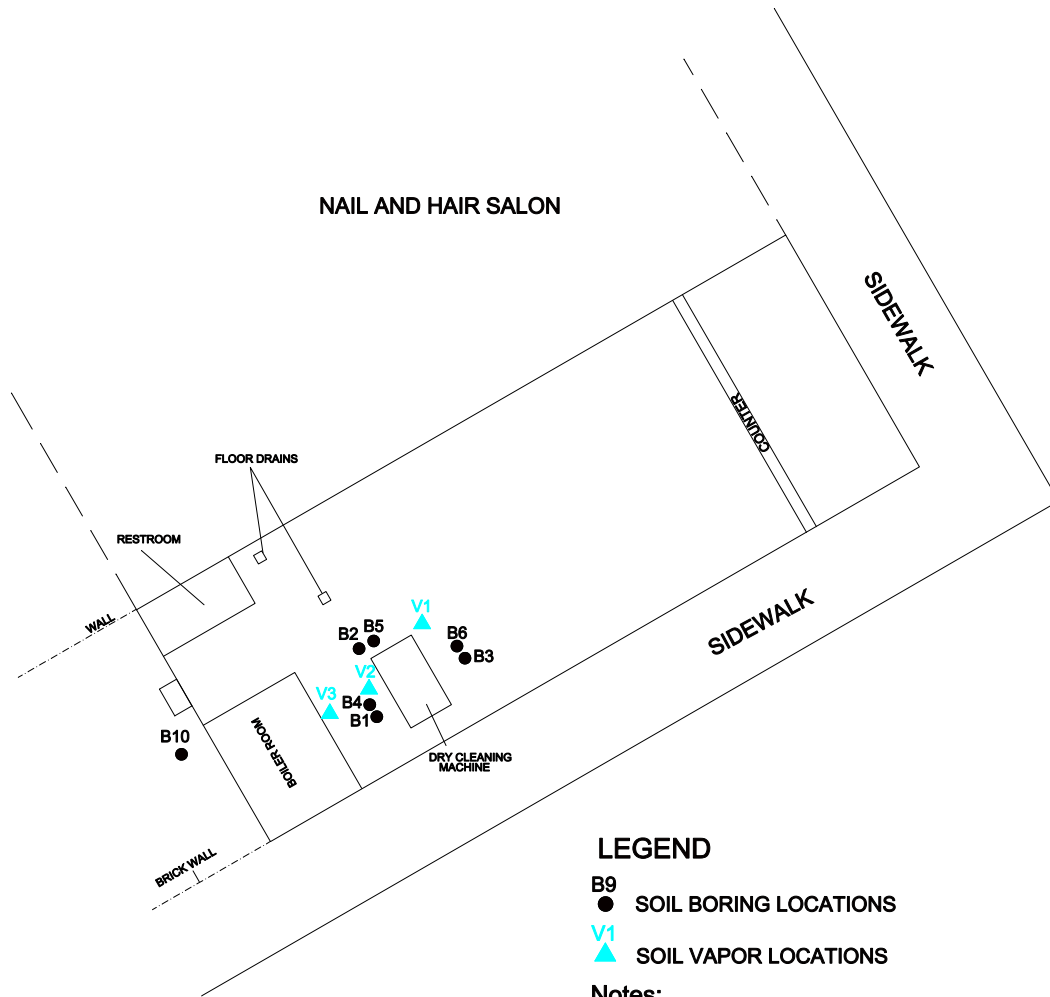


LOCATION MAP
 SWISS VALLEY CLEANERS
 1395 MacArthur Boulevard
 SAN LEANDRO, CALIFORNIA



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



LEGEND

- B9 ● SOIL BORING LOCATIONS
- V1 ▲ SOIL VAPOR LOCATIONS

Notes:

Borings B1 through B3 advanced by Hageman-Aguiar in August 1998
 Borings B4 through B6 advanced by Stellar Environmental Solutions in April 2005



SCALE

15

30

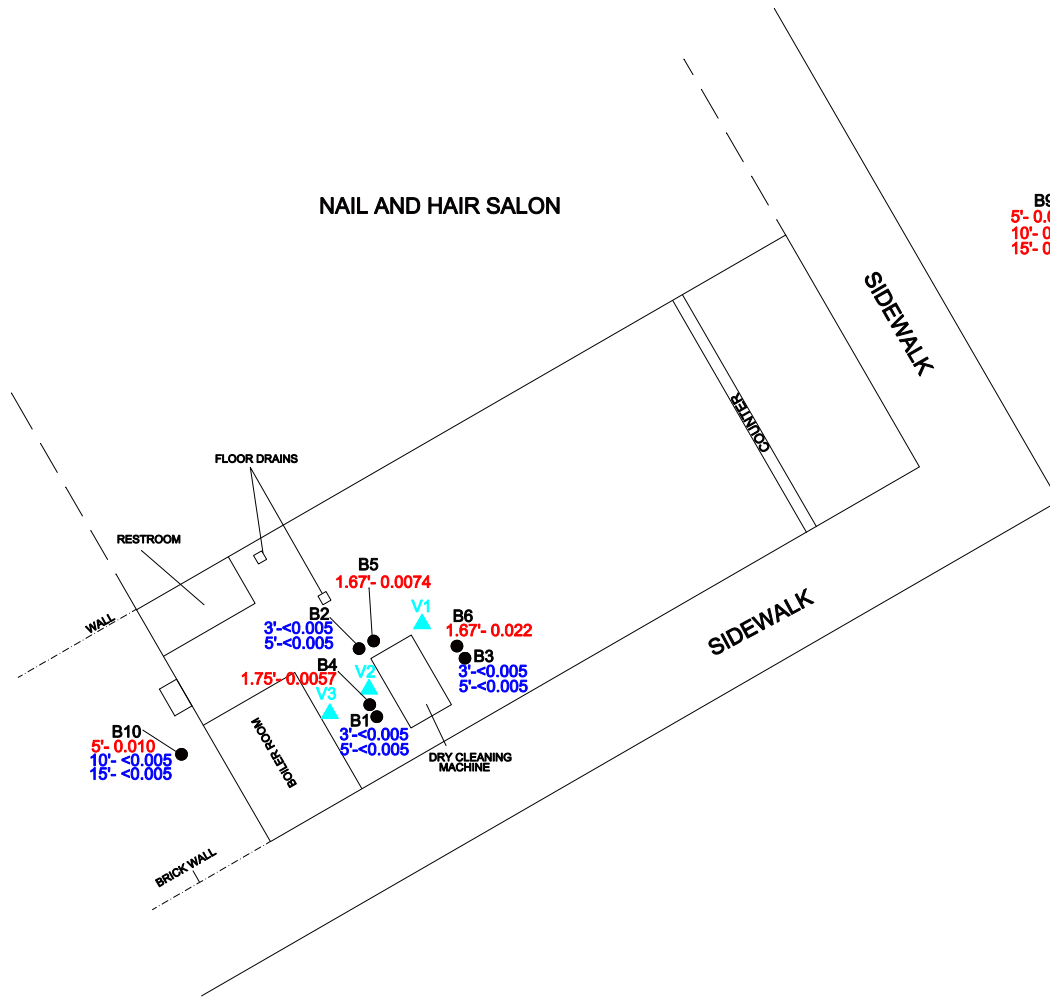
FEET

SITE PLAN
SWISS VALLEY CLEANERS
 1395 MacArthur Boulevard
 SAN LEANDRO, CALIFORNIA



Advanced
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PROJECT NO. AGE-12-2461	FILE:	FIGURE:
DATE: MAY 2013	DRAWN BY: MAC	2



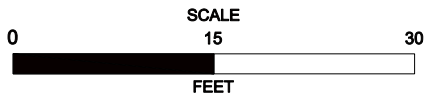
LEGEND

B9
 5'- 0.010 SOIL BORING LOCATION, DEPTH AND
 10'- <0.005 PCE CONCENTRATION (mg/kg)
 ●

V1
 SOIL VAPOR LOCATIONS
 ▲

Notes:

Borings B1 through B3 advanced by Hageman-Aguilar in August 1998
 Borings B4 through B6 advanced by Stellar Environmental Solutions in April 2005
 PCE: Tetrachloroethene
 mg/kg: milligrams per kilogram

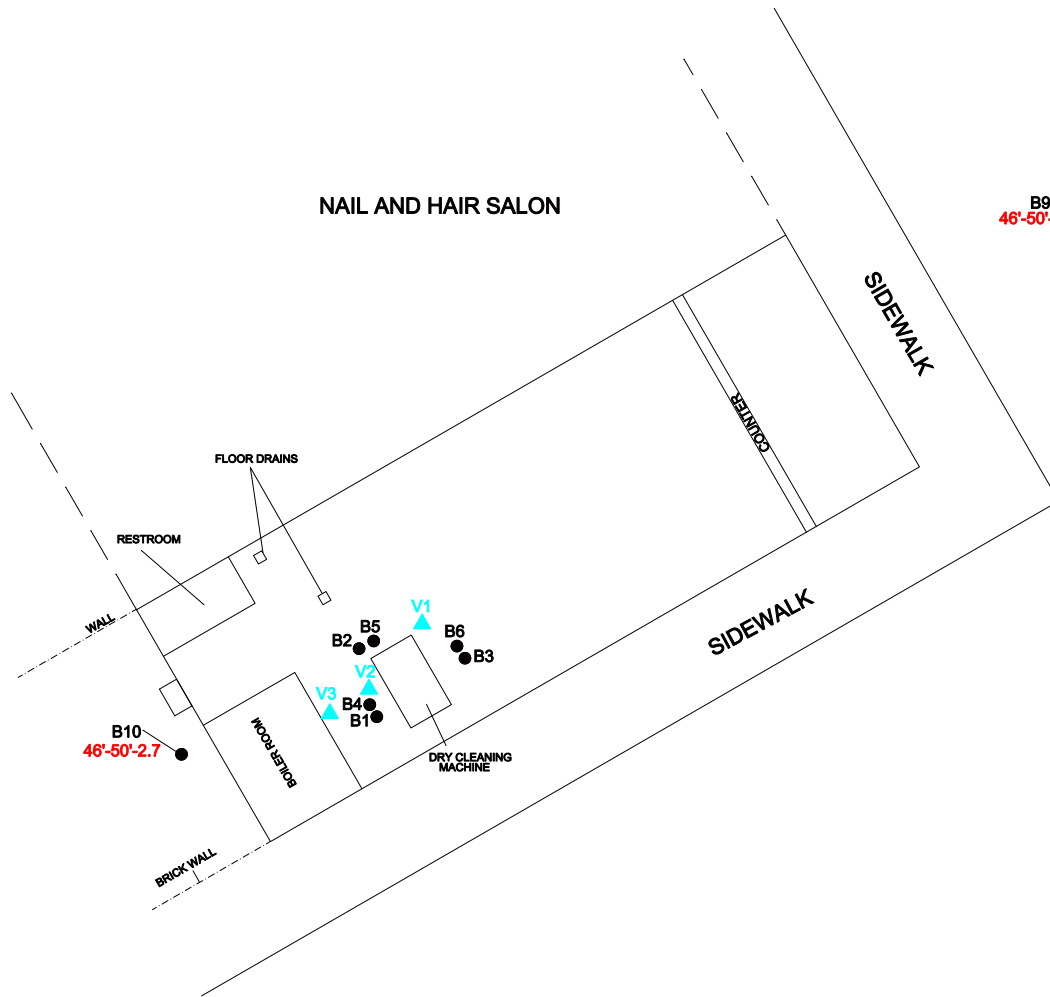


ADSORBED PCE
SWISS VALLEY CLEANERS
 1395 MacArthur Boulevard
 SAN LEANDRO, CALIFORNIA



Advanced
GeoEnvironmental, Inc.
 www.advgeoenv.com

PROJECT NO. AGE-12-2461	FILE:	FIGURE:
DATE: MAY 2013	DRAWN BY: MAC	3



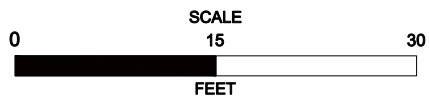
LEGEND

B9
 46'-50"-7.6 ● SOIL BORING LOCATIONS, DEPTH AND PCE CONCENTRATION (ug/l)

V1
 ▲ SOIL VAPOR LOCATIONS

Notes:

Borings B1 through B3 advanced by Hageman-Aguilar in August 1998
 Borings B4 through B6 advanced by Stellar Environmental Solutions in April 2005
 PCE: Tetrachloroethene
 ug/l: micrograms per liter

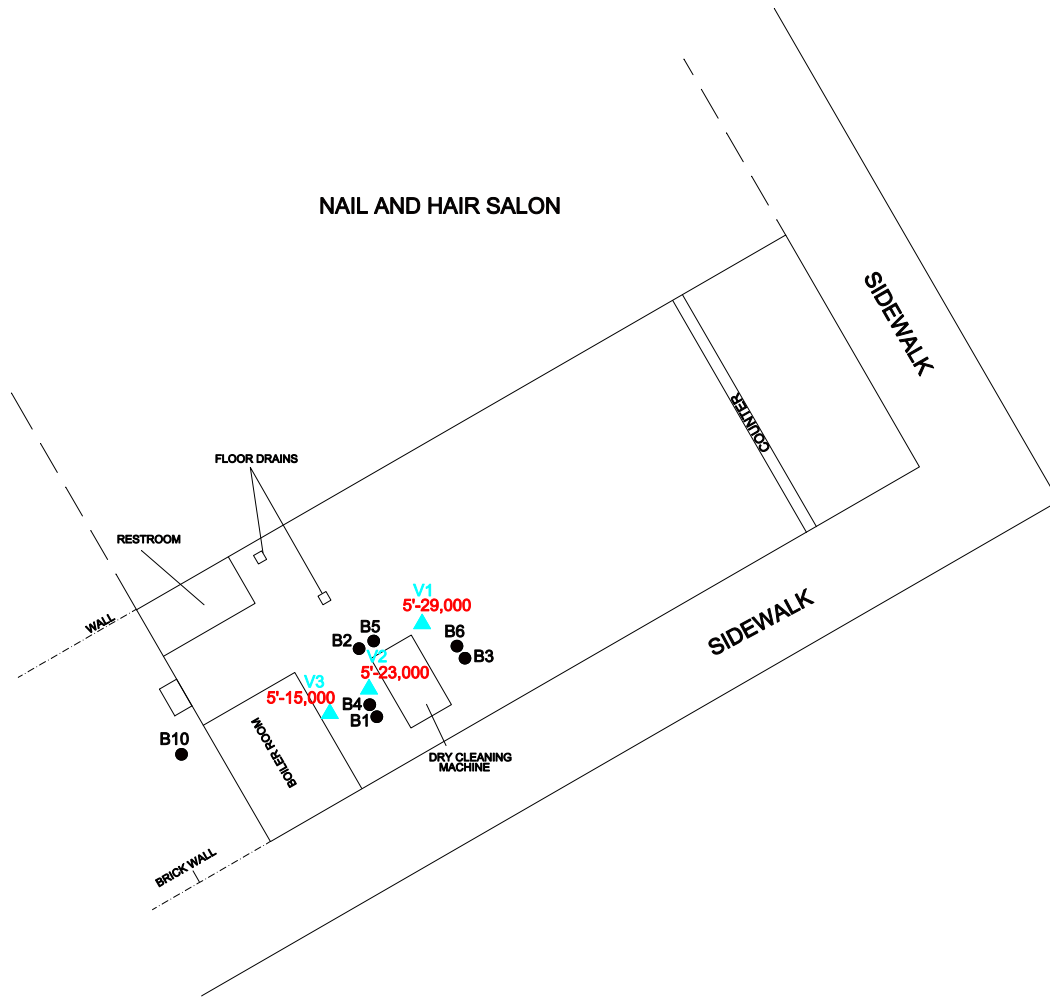


DISSOLVED PCE
SWISS VALLEY CLEANERS
 1395 MacArthur Boulevard
 SAN LEANDRO, CALIFORNIA



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GeoEnvironmental, Inc.
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PROJECT NO. AGE-12-2461	FILE:	FIGURE:
DATE: MAY 2013	DRAWN BY: MAC	4



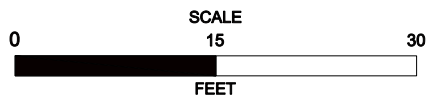
LEGEND

B9
 46'-50'-7.6 ● SOIL BORING LOCATIONS, DEPTH AND PCE CONCENTRATION (ug/m3)

V1
 ▲ SOIL VAPOR LOCATIONS

Notes:

Borings B1 through B3 advanced by Hageman-Aguilar in August 1998
 Borings B4 through B6 advanced by Stellar Environmental Solutions in April 2005
 PCE: Tetrachloroethene
 ug/m3: micrograms per cubic meter



PCE VAPOR CONCENTRATION MAP
 SWISS VALLEY CLEANERS
 1395 MacArthur Boulevard
 SAN LEANDRO, CALIFORNIA



Advanced
GeoEnvironmental, Inc.
 www.advgeoenv.com

PROJECT NO. AGE-12-2461	FILE:	FIGURE:
DATE: MAY 2013	DRAWN BY: MAC	5

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
V-1	05-08-2013	5	29,000	<2	<2	<2	<2	<2
V-2	05-08-2013	5	23,000	<2	<2	<2	<2	<2
V-3	05-08-2013	5	15,000	<2	<2	<2	<2	<2
CHHSLs (Residential)			180	528	1,500	31,900	44,400	13.3
SFBRWCB ESL Shallow Soil Gas (Commercial)			1,400	4,100	5,100	41,000	20,000	100
SFBRWCB ESL Shallow Soil Gas (Residential)			410	1,200	1,500	15,000	7,300	31

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

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

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
ANALYTICAL RESULTS OF GRAB GROUNDWATER SAMPLES
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California
(ug/l)

Sample ID	Date	EPA 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)	Acetone
SVC-1	08-19-1998	<0.5	<0.5	<0.5	-	-	-	-
B9W@46-50	05-07-2013	7.6	<0.5	<1	<1	<1	<0.5	<10
B10W@46-50	05-07-2013	2.7	<0.5	<1	<1	<1	<0.5	<10
US EPA MCL		5	5	7	100	70	2	-
CDPH MCL		5	5	6	10	6	0.5	-
SFBRWCB ESL		5	5	6	10	6	0.5	6,300

Notes:

<:

µg/l: micrograms per liter

bsg:

below surface grade

US EPA MCL: United State Environmental Protection Agency Maximum Contaminant Level

CDPH MCL: California Department of Public Health Maximum Contaminant Level

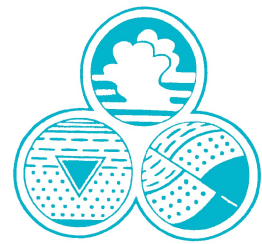
SFBRWCB ESL: San Francisco Bay Regional Water Quality Control Board Environmental Screening Level

SVC-1: Sample I.D refers to sample collected from floor drain inside unit.

APPENDIX A

Phase II Site Assessment Work Plan

Advanced GeoEnvironmental, Inc.



01 May 2013
AGE-NC Project No. 12-2461

Mr. William Mathews Brooks
Ardenbrook, Inc.
4725 Thornton Avenue
Fremont, California 94536

**Subject: Phase II Site Assessment Work Plan
SWISS VALLEY CLEANERS
1395 MacArthur Boulevard, San Leandro, California**

Dear Mr. Brooks:

At your request, *Advanced* GeoEnvironmental, Inc. (AGE) has prepared this *Phase II Site Assessment Work Plan* for the site located at 1395 MacArthur Boulevard, San Leandro, California. The work plan provides procedures for the collection of on-site soil, groundwater and vapor samples at the subject site.

A detailed site plan showing the proposed boring locations are illustrated in Figure 2.

SCOPE OF WORK

Based on previously collected analytical data collected during investigations performed in 1998, 2005 and 2008, additional soil and groundwater investigation has been requested to investigate the potential of chlorinated hydrocarbon impact to soil and groundwater at the site. The proposed scope will include the following tasks:

- Permitting and pre-field work activities.
- Advancement of two soil borings for collection of soil and grab groundwater samples.
- Advancement of three soil vapor sampling locations on the inside of the subject site building; and
- Report preparation.

Each of these tasks is described in greater detail below.

PERMITTING AND PRE-FIELD WORK ACTIVITIES

Applicable site assessment boring permits will be obtained from the Alameda County Public Works Agency - Water Resources Division (ACPWAWRD) and a site-specific Health and Safety Plan will be prepared. Prior to mobilization, each soil probe location will be clearly marked and a utility clearance obtained through Underground Service Alert. The ACPWAWRD will be contacted a minimum of five days prior to conducting investigation activities to arrange for inspection.

SOIL PROBE BORINGS AND SAMPLING

A total of two soil probe borings (B9 and B10) will be advanced on the northeast and southwest sides of the building to investigate potential chlorinated hydrocarbon impact to soil and groundwater from former dry cleaning activities performed at the site. Additionally, a total of three soil borings (V1 through V3) will be advanced for the collection soil vapor samples on the inside of the building near the former dry cleaning machine and the boiler room (Figure 2). Borings will be advanced using either a direct push drilling rig (outside of building) or hand tooling (inside of building) to collect soil, groundwater and soil vapor samples.

Based upon data collected from the Haber Oil Product site located at 1401 Grand Avenue, San Leandro, California (south of site), groundwater has been fairly consistently inferred to be flowing toward the northwest; static groundwater depth within wells at the site is generally at 40 feet below the tops of the well casing (btoc). Locations of the soil borings are shown on Figure 2 and described below.

Soil borings B9 and B10 will be advanced to depths between 40 and 55 feet bsg or first-encountered groundwater; borings may be advanced to greater depths if contamination is encountered. Soil boring V1 through V3 will be advanced to a total depth of five feet below surface grade.

Generally, soil samples will be collected from borings B9 and B10 at five foot intervals at depths of five, ten and fifteen feet bsg. Thereafter, both soil borings will be advanced to 40 feet bsg for collection of a grab groundwater sample. The total boring depths may vary based on if groundwater can be collected at the proposed depth. In addition to proposed soil and groundwater sample collection, soil vapor samples will be collected from boring V1 through V3 on the inside of the building at a depth of five feet bsg. Soil, grab groundwater and soil vapor sample collection procedures are provided below.

LABORATORY ANALYSIS

Soil, grab groundwater and vapor samples will be analyzed by a California Department of Public Health (CDPH)-certified laboratory for full scan volatile organic compounds (VOC's) by EPA method 8260.

Laboratory reports for soil, soil vapor and water sample analyses, testing methods, laboratory quality assurance/quality control (QA/QC) reports, and sample chain-of-custody documentation will be presented in a report of findings. Also, conclusions and applicable recommendations will be included within the report. Reports will be in a format acceptable by local agency and will be reviewed and signed by a California Professional Geologist.

FIELD PROCEDURES

All field procedures will be overseen by an AGE representative working under the supervision of a California Professional Geologist. Procedures for advancing soil probe borings, collection and analysis of soil, soil vapor and groundwater samples, equipment decontamination and sample handling are presented below.

PROBE SOIL BORING ADVANCEMENT

Proposed soil borings B9 and B10 will be advanced using a truck mounted AMS Powerprobe direct-push probing unit equipped with 1.25-inch probing rods; The Powerprobe advances soil probe borings using a hydraulic hammer to drive soil and groundwater sampling tools to specified depths.

Proposed borings V1 through V3 will be advanced using had tooling comprised of a rotohammer, vapor sampling tip and probing rods. The rotohammer and 2-inch concrete bit is first used to drill through the foundation to create a void for advancement of the soil sampling rods and vapor sampling tip. Next, the rotohammer is used to advance one-half inch probing rods equipped with a soil vapor sampling tip.

SOIL SAMPLING

Soil samples will be collected from borings B9 and B10 at discreet five-foot intervals beginning at five feet bsg using a 1.25 inch Geoprobe soil sampling assembly loaded with a two-foot acetate liner. Upon sample retrieval, a selected portion of the liner will be cut and covered with Teflon sheets, capped and sealed with tape.

Appropriately sealed and labeled samples will be placed in a chilled container under ice and transported under chain-of-custody procedure to a CDPH-certified laboratory. Samples will be analyzed for the constituents listed above. Each sample will be labeled with boring designation, depth, time, date and sampler's initials. Soils encountered in the borings will be visually classified by AGE personnel in accordance with the Unified Soil Classification System (USCS). Additionally, soil samples will be field-screened for presence of volatile organic compounds using an organic vapor meter (OVM), equipped with photo-ionization detector (PID) pre-calibrated to isobutylene.

GRAB GROUNDWATER SAMPLING

For collection of grab groundwater samples, soil borings B9 and B10 will be advanced to the assumed top of the groundwater table (40 feet bsg). Once groundwater has been encountered, a Geoprobe (or similar) push-driven water sampling device will be advanced four feet into the water-bearing zone. Grab groundwater samples will be collected using a Geoprobe water sampling assembly fitted with a pre-cleaned, one-inch diameter 0.01-slotted temporary well screen. Each groundwater sample will be extracted by dedicated disposable polyethylene tubing through the hollow center of the push rods into the screen section. Samples will be transferred into three laboratory non-preserved 40-ml sample containers and analyzed for the constituents listed above.

Appropriately sealed and labeled samples will be placed in a chilled container under ice and transported under chain-of-custody procedure to a CDPH-certified laboratory. Each sample container will be labeled with sample designation, time, date and sampler's initials.

SOIL VAPOR SAMPLING

For collection of soil vapor samples a small diameter steel probe sampler with retractable screened vapor point will be driven into the subsurface with a mechanical hand-held hammer (rotohammer). The sampling point will be advanced to a depth of 5 feet bsg and then retracted approximately 3-inches in order to expose the screen from which the soil-vapor could be extracted. Single use, 1/4-inch disposable polyethylene tubing will then be attached through the rods to the sampling point to a tubing adapter equipped with an O-ring to ensure a vacuum-tight seal. Each sampling point will be purged for a minimum of 3 minutes prior to obtaining a sample in 1 liter tedlar bags. Once the purging is complete a sample will be collected using an enclosed lung box. After sample collection the tedlar bag will be labeled and stored in the dark container.

Soil vapors purged through the pump and lung box will also be field evaluated using a hand-held photo-ionization detector (PID; Rae Mini-rae).

Soil vapor samples will be transported under chain-of-custody procedure to a CDPH-certified laboratory and analyzed for full scan VOC's by EPA method 8260.

EQUIPMENT DECONTAMINATION

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


BORING ABANDONMENT


All soil borings will be permanently sealed to prevent vertical migration of potential contaminants. Soil borings shall be abandoned by backfilling with cement grout from the total depth to surface grade. Borings advanced below the groundwater table will be abandoned with grout utilizing tremie procedures. The top three to six inches of the boring abandonments will be completed flush to surface grade with native soils or concrete. The ACPWAWRD will be notified for grout inspection at least five days prior to conducting grouting procedures.

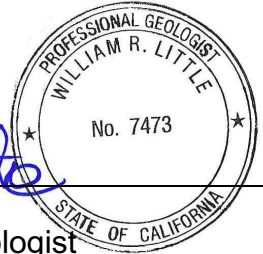
If you have any questions or require further information, please contact our office at (800) 511-9300.

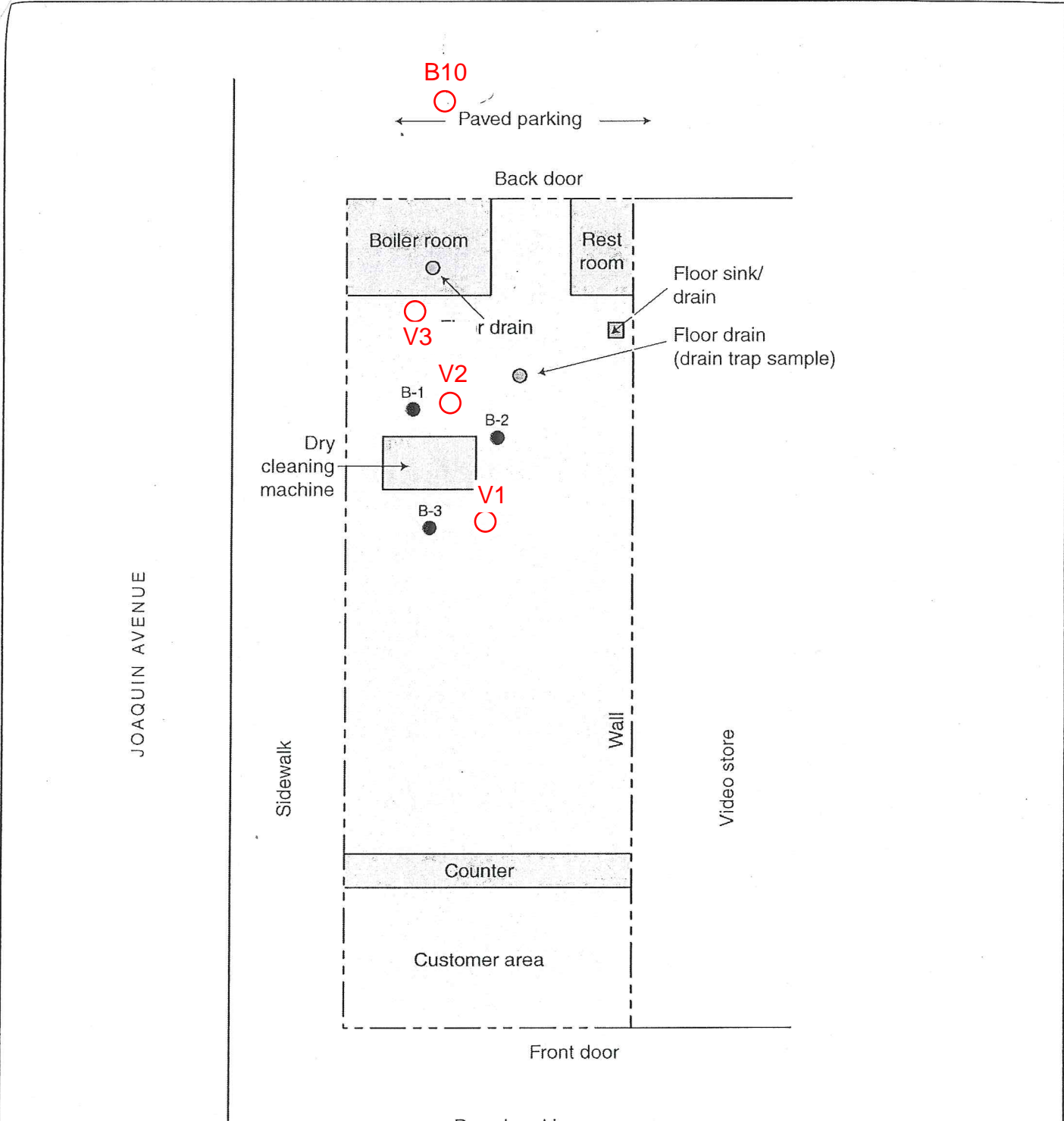
Sincerely,

Advanced GeoEnvironmental, Inc.


Daniel Villanueva
Project Geologist


William R. Little
Senior Project Geologist
California Professional Geologist No. 7473





JOAQUIN AVENUE

Sidewalk

Wall

Video store

0 10
SCALE IN FEET (approx.)

LEGEND
 B-1 1998 exploratory soil borehole
 ● soil borehole
 --- Subject property line
 ○ Proposed Soil Boring

SITE PLAN

1395 MacArthur Boulevard
San Leandro, CA

By: MJC

FEBRUARY 2005

FIGURE 2

Stellar Environmental Solutions, Inc.
 Geoscience Engineering Consulting

2005-14-02



APPENDIX B

Alameda County Boring Permit

Alameda County Public Works Agency - Water Resources Well Permit



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

Application Approved on: 04/30/2013 By jamesy

Permit Numbers: W2013-0338
Permits Valid from 05/07/2013 to 05/08/2013

Application Id: 1367337753564
Site Location: 1395 MacArthur Boulevard, San Leandro
Project Start Date: 05/07/2013
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

City of Project Site: San Leandro
Completion Date: 05/08/2013

Applicant: Advanced GeoEnvironmental, Inc. - Brian Millman
837 Shaw Road, Stockton, CA 95215
Property Owner: ESC Partners L P
4725 Thornton Ave, Fremont, CA 94536
Client: ** same as Property Owner **
Contact: Brian Millman

Phone: 800-511-9300

Phone: --

Phone: 800-511-9300
Cell: 209-482-8556

	Total Due:	\$265.00
Receipt Number: WR2013-0157	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 - 4 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
W2013-0338	04/30/2013	08/05/2013	4	1.25 in.	45.00 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 Steve Miller for an inspection time at (510) 670-5517 or email to stevem@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
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,

Alameda County Public Works Agency - Water Resources Well Permit

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. 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.

8. 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.

APPENDIX C

Boring Logs



**Advanced
GeoEnvironmental, Inc.**

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

BORING LOG

BOREHOLE NO.: **B9**
TOTAL DEPTH: **50 FEET**

Project: SWISS VALLEY CLEANERS
Site Location: 1395 MacArthur Boulevard
San Leandro, California
Project No.: AGE-NC-12-2461

Drilling Co.: AGE
Rig/Auger Type: AMS Powerprobe/ 1.25" rods
Logged By: D. Villanueva
Reviewed By: W. Little
Date(s) Drilled: 07 May 2013

Notes: B9 advanced to 50 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					
-5	B9-5	---	0.5		CL: brown, dry, CLAY, plastic, no odor
-10	B9-10	---	0		CL: brown, dry, CLAY, plastic, no odor
-15	B9-15	---	0		SM: mottled, dry, SILTY SAND, fine grained sand, no odor
-20		---	---		No soil sample collected.
-25		---	---		No soil sample collected.
-30		---	---		No soil sample collected.
-35		---	---		No soil sample collected.
-40		---	---		No soil sample collected.
-45		---	---		No soil sample collected.
-50		---	---		No soil sample collected; grab groundwater samples collected between 46 and 50 feet bsg.
-55					



**Advanced
GeoEnvironmental, Inc.**

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

BORING LOG

BOREHOLE NO.: **B10**
TOTAL DEPTH: **50 FEET**

Project: SWISS VALLEY CLEANERS
Site Location: 1395 MacArthur Boulevard
San Leandro, California
Project No.: AGE-NC-12-2461

Drilling Co.: AGE
Rig/Auger Type: AMS Powerprobe/ 1.25" rods
Logged By: D. Villanueva
Reviewed By: W. Little
Date(s) Drilled: 07 May 2013

Notes: B10 advanced to 50 feet bsg. Boring backfilled to surface grade with Portland cement.

☒ Water level during drilling
☑ Water level in completed well
Page 1 of 1

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description
-------	-----------	----------------	-----------	-------------	---------------------------------

0					
-5	B10-5	---	0		ML: brown, dry, SILT, no odor
-10	B10-10	---	0		ML: light brown, dry, SILT, some fine grained sand, no odor
-15	B10-15	---	0		ML: light brown, dry, SILT, some fine grained sand, no odor
-20		---	---		No soil sample collected.
-25		---	---		No soil sample collected.
-30		---	---		No soil sample collected.
-35		---	---		No soil sample collected.
-40		---	---		No soil sample collected.
-45		---	---		No soil sample collected.
-50		---	---		No soil sample collected; grab groundwater samples collected between 46 and 50 feet bsg.
-55					

APPENDIX D

CTEL Laboratory Report

CAL TECH Environmental Laboratories



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

ANALYTICAL RESULTS*

CTEL Project No: CT214-1305056

Client Name: Advanced Geo Environmental, Inc.
 837 Shaw Road
 Stockton, CA 95215

Phone: (209) 467-1006

Fax: (209) 467-1118

Attention: Mr. Bob Marty

Project ID: Global ID:

Project Name: Swiss Valley Cleaners

Date Sampled: 05/07/13 @ 10:35 am

Date Received: 05/08/13 @ 08:30 am

Date Analyzed: 05/09/13

Matrix: Water

Laboratory ID:	1305-056-4	1305-056-8	Method	Units:	Detection Limit
Client Sample ID:	B10W@46-50	B9W@46-50			
Dilution	1	1			
Dichlorodifluoromethane	ND	ND	EPA 8260B	ug/L	1
Chloromethane	ND	ND	EPA 8260B	ug/L	1
Vinyl Chloride	ND	ND	EPA 8260B	ug/L	0.5
Bromomethane	ND	ND	EPA 8260B	ug/L	1
Chloroethane	ND	ND	EPA 8260B	ug/L	1
Trichlorofluoromethane	ND	ND	EPA 8260B	ug/L	1
Iodomethane	ND	ND	EPA 8260B	ug/L	1
Acetone	ND	ND	EPA 8260B	ug/L	10
1,1-Dichloroethene	ND	ND	EPA 8260B	ug/L	1
t-Butyl Alcohol (TBA)	ND	ND	EPA 8260B	ug/L	10
Methylene Chloride	ND	ND	EPA 8260B	ug/L	10
Freon 113	ND	ND	EPA 8260B	ug/L	5
Carbon disulfide	ND	ND	EPA 8260B	ug/L	1
trans,1,2-Dichloroethene	ND	ND	EPA 8260B	ug/L	1
Methyl-tert-butyl-ether(MtBE)	ND	ND	EPA 8260B	ug/L	1
1,1-Dichloroethane	ND	ND	EPA 8260B	ug/L	1
Vinyl acetate	ND	ND	EPA 8260B	ug/L	10
Diisopropyl Ether (DIPE)	ND	ND	EPA 8260B	ug/L	1
Methyl Ethyl Ketone	ND	ND	EPA 8260B	ug/L	10
cis,1,2-Dichloroethene	ND	ND	EPA 8260B	ug/L	1
Bomochloromethane	ND	ND	EPA 8260B	ug/L	1
Chloroform	ND	ND	EPA 8260B	ug/L	1
2,2-Dichloropropane	ND	ND	EPA 8260B	ug/L	1
Ethyl-t-butyl ether (ETBE)	ND	ND	EPA 8260B	ug/L	1
1,1,1-Trichloroethane	ND	ND	EPA 8260B	ug/L	1
1,2-Dichloroethane	ND	ND	EPA 8260B	ug/L	0.5
1,1-Dichloropropene	ND	ND	EPA 8260B	ug/L	1
Carbon Tetrachloride	ND	ND	EPA 8260B	ug/L	0.5
Benzene	ND	ND	EPA 8260B	ug/L	0.5
t-Amyl Methyl Ether (TAME)	ND	ND	EPA 8260B	ug/L	1
1,2-Dichloropropane	ND	ND	EPA 8260B	ug/L	1
Trichloroethene	ND	ND	EPA 8260B	ug/L	0.5
Dibromomethane	ND	ND	EPA 8260B	ug/L	1
Bromodichloromethane	ND	ND	EPA 8260B	ug/L	1
2-Chloroethylvinylrther	ND	ND	EPA 8260B	ug/L	5
cis,1,3-Dichloroprppene	ND	ND	EPA 8260B	ug/L	1
4-Methyl-2-pentanone(MIBK)	ND	ND	EPA 8260B	ug/L	10
trans,1,3-Dichloropropene	ND	ND	EPA 8260B	ug/L	1
Toluene	ND	ND	EPA 8260B	ug/L	0.5
1,1,2-Trichloroethane	ND	ND	EPA 8260B	ug/L	1

(Continued)

TOTALLY DEDICATED TO CUSTOMER SATISFACTION

CTEL Project No: CT214-1305056

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

Laboratory ID:	1305-056-4	1305-056-8	Method	Units	Detection Limit
Client Sample ID:	B10W@46-50	B9W@46-50			
1,2-Dibromoethane(EDB)	ND	ND	EPA 8260B	ug/L	0.5
1,3-Dichloropropane	ND	ND	EPA 8260B	ug/L	1
Dibromochloromethane	ND	ND	EPA 8260B	ug/L	1
2-Hexanone	ND	ND	EPA 8260B	ug/L	10
Tetrachloroethene	2.7	7.6	EPA 8260B	ug/L	0.5
Chlorobenzene	ND	ND	EPA 8260B	ug/L	1
1,1,1,2-Tetrachloroethane	ND	ND	EPA 8260B	ug/L	1
Ethylbenzene	ND	ND	EPA 8260B	ug/L	0.5
m,p-Xylene	ND	ND	EPA 8260B	ug/L	0.6
Bromoform	ND	ND	EPA 8260B	ug/L	1
Styrene	ND	ND	EPA 8260B	ug/L	1
o-Xylene	ND	ND	EPA 8260B	ug/L	0.6
1,1,2,2-Tetrachloroethane	ND	ND	EPA 8260B	ug/L	1
1,2,3-Trichloropropane	ND	ND	EPA 8260B	ug/L	1
Isopropylbenzene	ND	ND	EPA 8260B	ug/L	1
Bromobenzene	ND	ND	EPA 8260B	ug/L	1
2-Chlorotoluene	ND	ND	EPA 8260B	ug/L	1
n-Propylbenzene	ND	ND	EPA 8260B	ug/L	1
4-Chlorotoluene	ND	ND	EPA 8260B	ug/L	1
1,3,5-Trimethylbenzene	ND	ND	EPA 8260B	ug/L	1
tert-Butylbenzene	ND	ND	EPA 8260B	ug/L	1
1,2,4-Trimethylbenzene	ND	ND	EPA 8260B	ug/L	1
sec-Butylbenzene	ND	ND	EPA 8260B	ug/L	1
1,3-Dichlorobenzene	ND	ND	EPA 8260B	ug/L	1
1,4-Dichlorobenzene	ND	ND	EPA 8260B	ug/L	1
p-Isopropyltoluene	ND	ND	EPA 8260B	ug/L	1
1,2-Dichlorobenzene	ND	ND	EPA 8260B	ug/L	1
n-Butylbenzene	ND	ND	EPA 8260B	ug/L	1
1,2 Dibromo-3-Chloropropane	ND	ND	EPA 8260B	ug/L	1
1,2,4-Trichlorobenzene	ND	ND	EPA 8260B	ug/L	1
Naphthalene	ND	ND	EPA 8260B	ug/L	1
1,2,3-Trichlorobenzene	ND	ND	EPA 8260B	ug/L	1
Hexachlorobutadiene	ND	ND	EPA 8260B	ug/L	1

ND = Not Detected at the indicated Detection Limit

<i>SURROGATE SPIKE</i>	% SURROGATE RECOVERY		Control Limit
Dibromofluoromethane	97	97	70-130
1,2 Dichloromethaned4	94	97	70-130
Toluene-d8	94	94	70-130
Bromofluorobenzene	95	100	70-130

CTEL Project No: CT214-1305056
Client Name: Advanced Geo Environmental, Inc.
 837 Shaw Road
 Stockton, CA 95215

Phone: (209) 467-1006
Fax: (209) 467-1118

Attention: Mr. Bob Marty

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

Date Sampled: 05/07/13 @ 09:50 am
Date Received: 05/08/13 @ 08:30 am
Date Analyzed: 05/09/13

Matrix: Soil

Laboratory ID:	1305-056-1	1305-056-2	1305-056-3	Method	Units:	Detection Limit
Client Sample ID:	B10-5	B10-10	B10-15			
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	0.020
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
Bomochloromethane	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 (TAME)	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-Chloroethylvinylrther	ND	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloroprppene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MIBK)	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: CT214-1305056

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

Labratory ID:	1305-056-1	1305-056-2	1305-056-3	Method	Units	Detection Limit
Client Sample ID:	B10-5	B10-10	B10-15			
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	0.010	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

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	97	94	96	70-130
1,2 Dichloromethaned4	91	92	92	70-130
Toluene-d8	94	94	94	70-130
Bromofluorobenzene	93	96	97	70-130

CTEL Project No: CT214-1305056
Client Name: Advanced Geo Environmental, Inc.
 837 Shaw Road
 Stockton, CA 95215

Phone:(209) 467-1006
Fax: (209) 467-1118

Attention: Mr. Bob Marty

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

Date Sampled: 05/07/13 @ 12:30 p.m.
Date Received: 05/08/13 @ 08:30 am
Date Analyzed: 05/09/13

Matrix: Soil

Laboratory ID:	1305-056-5	1305-056-6	1305-056-7	Method	Units:	Detection Limit
Client Sample ID:	B9-5	B9-10	B9-15			
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	0.020
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
Bomochloromethane	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 (TAME)	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-Chloroethylvinylrther	ND	ND	ND	EPA 8260B	mg/Kg	0.005
cis,1,3-Dichloroprppene	ND	ND	ND	EPA 8260B	mg/Kg	0.005
4-Methyl-2-pentanone(MIBK)	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: CT214-1305056

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

Laboratory ID:	1305-056-5	1305-056-6	1305-056-7	Method	Units	Detection Limit
Client Sample ID:	B9-5	B9-10	B9-15			
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	0.028	0.012	0.022	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

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	93	93	96	70-130
1,2 Dichloromethane ⁴	96	98	92	70-130
Toluene-d ₈	94	94	92	70-130
Bromofluorobenzene	95	97	94	70-130


Greg Tejerian
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 90723-3146
 Telephone: (562) 272-2700 Fax: (562) 272-2789

QA/QC Report

Method: 8260B
 Matrix: Water
 Date Analyzed: 5/9/2013
 Date Extracted: 5/9/2013

Perimeters	Conc. ug/L		Spike Added	Recovery %		Control Limits		RPD
	LCS	LCSD		LCS	LCSD	Rec.	RPD	
1,1-Dichloroethene	46	45	50	92	90	70-130	20	2
Benzene	46	46	50	92	92	70-130	20	0
Trichloroethene	49	47	50	98	94	70-130	20	4
Toluene	47	46	50	94	92	70-130	20	2
Chlorobenzene	46	45	50	92	90	70-130	20	2
m,p-Xylenes	92	94	100	92	94	70-130	20	2

LCS: Laboratory Control Standard

LCSD: Laboratory Control Standard Duplicate

RPD: Relative Percent Difference of LCS and LCSD

Perimeters	Method Blank	Units	Det. Limit
1,1-Dichloroethene	ND	ug/L	1
Benzene	ND	ug/L	0.5
Trichloroethene	ND	ug/L	0.5
Toluene	ND	ug/L	0.5
Chlorobenzene	ND	ug/L	0.5
m,p-Xylenes	ND	ug/L	0.6
MTBE	ND	ug/L	1
TBA	ND	ug/L	10
DIPE	ND	ug/L	1
ETBE	ND	ug/L	1
TAME	ND	ug/L	1
1,2-Dichloroethane	ND	ug/L	0.5
EDB	ND	ug/L	0.5
Ethylbenzene	ND	ug/L	0.5
o-Xylene	ND	ug/L	0.6
TCE	ND	ug/L	1
PCE	ND	ug/L	1

CAL TECH Environmental Laboratories



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

QA/QC Report

Method: 8260B
 Matrix: Soil
 Date Analyzed: 5/9/2013
 Date Extracted: 5/9/2013

Perimeters	Conc. ug/Kg		Spike Added	Recovery %		Control	Limits	RPD
	MS	MSD		MS	MSD	Rec.	RPD	
1,1-Dichloroethene	46	45	50	92	90	70-130	20	2
Benzene	47	45	50	94	90	70-130	20	4
Trichloroethene	47	48	50	94	96	70-130	20	2
Toluene	50	51	50	100	102	70-130	20	2
Chlorobenzene	47	48	50	94	96	70-130	20	2
m,p-Xylenes	96	99	100	96	99	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

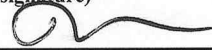
CHAIN OF CUSTODY RECORD

- 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

05-056

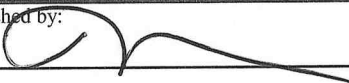
Date: 5-7-13 Page 1 of 1

Analysis Required

Project Name: Swiss Valley Cleaners Project Manager: Robert Marty
 Client: Ardenbrooke Sampler (initials & signature): DM 
 Invoice to: AGE Client Lab Project No.:

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes
B10-5	5-7-13	0950	S	1	
B10-10		1005	S	1	
B10-15		1015	S	1	
B10W@46-50		1035	W	3	
B9-5		1230	S	1	
B9-10		1245	S	1	
B9-15		1255	S	1	
B9W@46-50		1330	W	3	

VOC's (8260)


Relinquished by:  Date: 5-7-13 Time: 17:00 Laboratory: CTEL

Courier: _____ Received by: _____ Date: _____ Time: _____

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

Relinquished by: _____ Date: _____ Time: _____ Received by: R. Taylor Date: 5-8-13 Time: 13:00 pm

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 90723-3146
 Telephone: (562) 272-2700 Fax: (562) 272-2789

ANALYTICAL RESULTS*

CTEL Project No: CT214-1305060

Client Name: Advanced Geo Environmental, Inc.
 837 Shaw Road
 Stockton, CA 95215

Phone:(209) 467-1006

Fax: (209) 467-1118

Attention: Mr. Bob Marty

Project ID: Global ID:

Project Name: Swiss Valley Cleaners

Date Sampled: 05/08/13 @ 12:35 p.m.

Matrix: Air

Date Received: 05/09/13 @ 08:30 am

Date Analyzed: 05/09/13

Laboratory ID:	1305-060-1	1305-060-2	1305-060-3	Method	Units:	Detection Limit
Client Sample ID:	V-1	V-2	V-3			
Dilution	1	1	1			
Dichlorodifluoromethane	ND	ND	ND	EPA 8260B	ug/L	1
Chloromethane	ND	ND	ND	EPA 8260B	ug/L	1
Vinyl Chloride	ND	ND	ND	EPA 8260B	ug/L	0.5
Bromomethane	ND	ND	ND	EPA 8260B	ug/L	1
Chloroethane	ND	ND	ND	EPA 8260B	ug/L	1
Trichlorofluoromethane	ND	ND	ND	EPA 8260B	ug/L	1
Iodomethane	ND	ND	ND	EPA 8260B	ug/L	1
Acetone	ND	ND	ND	EPA 8260B	ug/L	10
1,1-Dichloroethene	ND	ND	ND	EPA 8260B	ug/L	1
t-Butyl Alcohol (TBA)	ND	ND	ND	EPA 8260B	ug/L	10
Methylene Chloride	ND	ND	ND	EPA 8260B	ug/L	10
Freon 113	ND	ND	ND	EPA 8260B	ug/L	5
Carbon disulfide	ND	ND	ND	EPA 8260B	ug/L	1
trans,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	ug/L	1
Methyl-tert-butyl-ether(MtBE)	ND	ND	ND	EPA 8260B	ug/L	1
1,1-Dichloroethane	ND	ND	ND	EPA 8260B	ug/L	1
Vinyl acetate	ND	ND	ND	EPA 8260B	ug/L	10
Diisopropyl Ether (DIPE)	ND	ND	ND	EPA 8260B	ug/L	1
Methyl Ethyl Ketone	ND	ND	ND	EPA 8260B	ug/L	10
cis,1,2-Dichloroethene	ND	ND	ND	EPA 8260B	ug/L	1
Bomochloromethane	ND	ND	ND	EPA 8260B	ug/L	1
Chloroform	ND	ND	ND	EPA 8260B	ug/L	1
2,2-Dichloropropane	ND	ND	ND	EPA 8260B	ug/L	1
Ethyl-t-butyl ether (ETBE)	ND	ND	ND	EPA 8260B	ug/L	1
1,1,1-Trichloroethane	ND	ND	ND	EPA 8260B	ug/L	1
1,2-Dichloroethane	ND	ND	ND	EPA 8260B	ug/L	0.5
1,1-Dichloropropene	ND	ND	ND	EPA 8260B	ug/L	1
Carbon Tetrachloride	ND	ND	ND	EPA 8260B	ug/L	0.5
Benzene	ND	ND	ND	EPA 8260B	ug/L	0.5
t-Amyl Methyl Ether (TAME)	ND	ND	ND	EPA 8260B	ug/L	1
1,2-Dichloropropane	ND	ND	ND	EPA 8260B	ug/L	1
Trichloroethene	ND	ND	ND	EPA 8260B	ug/L	0.5
Dibromomethane	ND	ND	ND	EPA 8260B	ug/L	1
Bromodichloromethane	ND	ND	ND	EPA 8260B	ug/L	1
2-Chloroethylvinylrther	ND	ND	ND	EPA 8260B	ug/L	5
cis,1,3-Dichloroprppene	ND	ND	ND	EPA 8260B	ug/L	1
4-Methyl-2-pentanone(MIBK)	ND	ND	ND	EPA 8260B	ug/L	10
trans,1,3-Dichloropropene	ND	ND	ND	EPA 8260B	ug/L	1
Toluene	ND	ND	ND	EPA 8260B	ug/L	0.5
1,1,2-Trichloroethane	ND	ND	ND	EPA 8260B	ug/L	1

(Continued)

TOTALLY DEDICATED TO CUSTOMER SATISFACTION

CTEL Project No: CT214-1305060

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

Laboratory ID:	1305-060-1	1305-060-2	1305-060-3	Method	Units	Detection Limit
Client Sample ID:	V-1	V-2	V-3			
1,2-Dibromoethane(EDB)	ND	ND	ND	EPA 8260B	ug/L	0.5
1,3-Dichloropropane	ND	ND	ND	EPA 8260B	ug/L	1
Dibromochloromethane	ND	ND	ND	EPA 8260B	ug/L	1
2-Hexanone	ND	ND	ND	EPA 8260B	ug/L	10
Tetrachloroethene	29	23	15	EPA 8260B	ug/L	0.5
Chlorobenzene	ND	ND	ND	EPA 8260B	ug/L	1
1,1,1,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	ug/L	1
Ethylbenzene	ND	ND	ND	EPA 8260B	ug/L	0.5
m,p-Xylene	ND	ND	ND	EPA 8260B	ug/L	0.6
Bromoform	ND	ND	ND	EPA 8260B	ug/L	1
Styrene	ND	ND	ND	EPA 8260B	ug/L	1
o-Xylene	ND	ND	ND	EPA 8260B	ug/L	0.6
1,1,2,2-Tetrachloroethane	ND	ND	ND	EPA 8260B	ug/L	1
1,2,3-Trichloropropane	ND	ND	ND	EPA 8260B	ug/L	1
Isopropylbenzene	ND	ND	ND	EPA 8260B	ug/L	1
Bromobenzene	ND	ND	ND	EPA 8260B	ug/L	1
2-Chlorotoluene	ND	ND	ND	EPA 8260B	ug/L	1
n-Propylbenzene	ND	ND	ND	EPA 8260B	ug/L	1
4-Chlorotoluene	ND	ND	ND	EPA 8260B	ug/L	1
1,3,5-Trimethylbenzene	ND	ND	ND	EPA 8260B	ug/L	1
tert-Butylbenzene	ND	ND	ND	EPA 8260B	ug/L	1
1,2,4-Trimethylbenzene	ND	ND	ND	EPA 8260B	ug/L	1
sec-Butylbenzene	ND	ND	ND	EPA 8260B	ug/L	1
1,3-Dichlorobenzene	ND	ND	ND	EPA 8260B	ug/L	1
1,4-Dichlorobenzene	ND	ND	ND	EPA 8260B	ug/L	1
p-Isopropyltoluene	ND	ND	ND	EPA 8260B	ug/L	1
1,2-Dichlorobenzene	ND	ND	ND	EPA 8260B	ug/L	1
n-Butylbenzene	ND	ND	ND	EPA 8260B	ug/L	1
1,2 Dibromo-3-Chloropropane	ND	ND	ND	EPA 8260B	ug/L	1
1,2,4-Trichlorobenzene	ND	ND	ND	EPA 8260B	ug/L	1
Naphthalene	ND	ND	ND	EPA 8260B	ug/L	1
1,2,3-Trichlorobenzene	ND	ND	ND	EPA 8260B	ug/L	1
Hexachlorobutadiene	ND	ND	ND	EPA 8260B	ug/L	1

ND = Not Detected at the indicated Detection Limit

SURROGATE SPIKE	% SURROGATE RECOVERY			Control Limit
Dibromofluoromethane	93	89	94	70-130
1,2 Dichloromethaned4	94	94	94	70-130
Toluene-d8	93	89	91	70-130
Bromofluorobenzene	95	89	89	70-130


 Greg Tejirian
 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 90723-3146
 Telephone: (562) 272-2700 Fax: (562) 272-2789

QA/QC Report

Method: 8260B
 Matrix: Water / Air
 Date Analyzed: 5/9/2013
 Date Extracted: 5/9/2013

Perimeters	Conc. ug/L		Spike Added	Recovery %		Control	Limits	RPD
	LCS	LCSD		LCS	LCSD	Rec.	RPD	
1,1-Dichloroethene	46	45	50	92	90	70-130	20	2
Benzene	46	46	50	92	92	70-130	20	0
Trichloroethene	49	47	50	98	94	70-130	20	4
Toluene	47	46	50	94	92	70-130	20	2
Chlorobenzene	46	45	50	92	90	70-130	20	2
m,p-Xylenes	92	94	100	92	94	70-130	20	2

LCS: Laboratory Control Standard

LCSD: Laboratory Control Standard Duplicate

RPD: Relative Percent Difference of LCS and LCSD

Perimeters	Method Blank	Units	Det. Limit
1,1-Dichloroethene	ND	ug/L	1
Benzene	ND	ug/L	0.5
Trichloroethene	ND	ug/L	0.5
Toluene	ND	ug/L	0.5
Chlorobenzene	ND	ug/L	0.5
m,p-Xylenes	ND	ug/L	0.6
MTBE	ND	ug/L	1
TBA	ND	ug/L	10
DIPE	ND	ug/L	1
ETBE	ND	ug/L	1
TAME	ND	ug/L	1
1,2-Dichloroethane	ND	ug/L	0.5
EDB	ND	ug/L	0.5
Ethylbenzene	ND	ug/L	0.5
o-Xylene	ND	ug/L	0.6
TCE	ND	ug/L	1
PCE	ND	ug/L	1



Advanced GeoEnvironmental, Inc.

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CHAIN OF CUSTODY RECORD

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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
-

Date: 5-8-17 Page 1 of 1

05-060

Analysis Required

X VOC's (BTEX)

Project Name: Swiss Valley Cleaners

Project Manager: Bob Marty

Client: Matt Brooks

Sampler (initials & signature): DOB [Signature]

Invoice to: AGE Client

Lab Project No.:

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes
V-1	5-8-13	1235	A	1	
V-2	↓	1310	A	1	
V-3	↓	1345	A	1	

Relinquished by: [Signature]

Date: 5-8-17

Time: 1700

Laboratory: CTGL

Courier:

Received by:

Date: Time:

Relinquished by:

Date: Time:

Received by:

Date: Time:

Relinquished by:

Date: Time:

Received by: R. Taylor

Date: 5-9-13 Time: 8:30

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: [Signature]