RECEIVED
By Alameda County Environmental Health 9:36 am, Mar 08, 2017

PERJURY STATEMENT

Subject: **1395 MacArthur Boulevard, San Leandro, California**
Cone Penetration Testing Report

I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this document and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Mr. Sayed Hussain, agent for
ESC PARTNERS, L. P. and
Mr. William Matthew Brooks
4725 Thornton Avenue
Fremont, CA, 94536

Cone Penetration Report

SWISS VALLEY CLEANERS
1395 MacArthur Boulevard, San Leandro, California

28 February 2017
AGE-Project No. 12 - 2461

PREPARED FOR:

Mr. William Mathews Brooks
ARDENBROOK

PREPARED BY:

AdvancedGeo Environmental
An Employee-Owned Company

Environmental • Compliance • Industrial Hygiene • Geotechnical
Phone: 800-511-9300
Fax: 888-445-8786
www.advgeoenv.com

"Working in Partnership with People, Business and the Environment"

Cone Penetration Testing Report
SWISS VALLEY CLEANERS
1395 MacArthur Boulevard, San Leandro, California

28 February 2017
AGE-Project No. 12-2461

AdvancedGeo Environmental
An Employee-Owned Company

Environmental • Compliance • Industrial Hygiene • Geotechnical
Phone: 800-511-9300
Fax: 888-445-8786
www.advgeoenv.com

"Working in Partnership with People, Business and the Environment"

PREPARED BY:

Daniel J, Villanueva
Senior Project Manager

PROJECT MANAGER:

Daniel J, Villanueva
Senior Project Manager

REVIEWED BY:

PROFESSIONAL GEOLOGIST
WILLIAM R. LITTLE
No. 7473
STATE OF CALIFORNIA

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

Cone Penetration Testing Report
SWISS VALLEY CLEANERS
1395 MacArthur Boulevard, San Leandro, California

SECTION **PAGE**

FIGURES

TABLES

APPENDICES

Cone Penetration Testing Report
SWISS VALLEY CLEANERS
1395 MacArthur Boulevard, San Leandro, California

1.0. INTRODUCTION

At the request of Mr. William Mathews Brooks, Advanced GeoEnvironmental, Inc. (AGE) has prepared this, *Cone Penetration Testing Report*, for the property located at 1395 MacArthur Boulevard, San Leandro, California (site). The scope of work included the advancement of eight (8) twinned cone penetration testing (CPT) borings to assess the lateral limits of chlorinated hydrocarbon impact resulting from historical dry cleaning operations performed at the site. The site and surrounding area are illustrated on Figure 1. On-site structures, boring, monitoring well and CPT locations are illustrated in Figures 2, 3 and 4.

This report was prepared in accordance with directives in the Alameda Department of Environmental Health (ACDEH) letter dating 28 November 2016 (Appendix A). All CPT borings were advanced under Alameda County Public Works Department permits, which have been included in Appendix B.

2.0. CPT SOIL BORINGS

Between 19 and 30 December 2016, eight (8), twinned, CPT sounding borings (CPT-1 through CPT-8) were advanced onsite and offsite in St. James Lutheran Church parking lot (west of the site). Borings were advanced utilizing CPT technology to characterize the geological and hydrogeological framework, and to collect “grab” groundwater samples in flow units in shallow, intermediate and deep intervals.

Based on CPT lithologic sounding data collected at CPT-1 through CPT-8, depth-discrete “grab” groundwater samples were collected by revisiting the locations of the initial CPT lithologic soil borings via an adjacent, independent boring advanced within a few feet of the initial boring. A chronology of the CPT investigation is as follows:

- 19 December 2016: Advancement of CPT-1 sounding boring located on-site to a total depth of 96 feet below surface grade (bsg). Shallow samples were attempted in an adjacent boring at depths of 38 to 42 feet bsg, 52 to 56 feet bsg and 66 to 70 feet bsg but sufficient water did not enter the rods during sample collection. However, a grab groundwater sample was collected at a depth of 80 to 84 feet bsg;
- 20 December 2016: Advancement of CPT-2 sounding boring on-site to a total depth of 100 bsg; collection of a grab groundwater samples from borings immediately adjacent to CPT-2 at intervals of 47 to 57 feet bsg and 92 to 96 feet bsg;

- 21 December 2016: Advancement of CPT-3 sounding boring on-site to a total depth of 62 feet bsg where refusal conditions were met; collection of a grab groundwater sample from a boring immediately adjacent to CPT-3 at an interval of 48 to 58 feet bsg;
- 22 December 2016: Advancement of CPT-4 sounding boring on-site to a total depth of 73 bsg where refusal conditions were met; collection of grab groundwater samples from borings immediately adjacent to CPT-4 at intervals of 47 to 57 feet bsg and from 66 to 70 feet bsg;
- 27 December 2016: Advancement of CPT-5 sounding boring on-site to a total depth of 88 bsg where refusal conditions were met; collection of grab groundwater samples from borings immediately adjacent to CPT-4 at intervals of 47 to 57 feet bsg and from 78 to 83 feet bsg.

  Advancement of CPT-6 sounding boring off-site in the St. James Lutheran Church parking lot to a total depth of 66 feet bsg where refusal conditions were met; collection of a grab groundwater sample from a boring immediately adjacent to CPT-6 at an interval of 46 to 56 feet bsg;
- 28 December 2016: Advancement of CPT-7 sounding boring on-site to a total depth of 100 bsg; collection of grab groundwater samples from borings immediately adjacent to CPT-7 at intervals of 47 to 57 feet bsg and from 76 to 86 feet bsg;
- 29 December 2016: Advancement of CPT-8 sounding boring on-site to a total depth of 96 bsg; collection of grab groundwater samples from borings immediately adjacent to CPT-8 at intervals of 47 to 57 feet bsg and from 87 to 91 feet bsg; and
- 30 December 2016: Collection of a grab groundwater sample from a boring immediately adjacent to CPT-8 at an intervals of 70 to 80 feet bsg.

Boring locations are depicted on Figure 3.

2.1. CPT LITHOLOGIC SOUNDINGS

Soil borings were advanced vertically to total depths utilizing a 30-ton truck-mounted CPT drill rig equipped with 2-inch diameter hollow-stem rods. A hydraulic ram was utilized to advance a cone penetrometer tip to total depth of each CPT boring. Soil parameters such as cone penetrometer tip resistance, sleeve friction, friction ratio (ratio between sleeve friction and tip resistance) and pore water pressure were continuously measured as the cone penetrometer was advanced to depth. A continuous boring log was generated utilizing the *Hogentogler Co.* CPT computer program. The *Hogentogler Co.* computer program utilized the *CPT Soil Behavior Classification System* (Robertson, P.K., Campanella, R.G, Gillespie, D. and Greig, J., 1986), to generate a general lithology type and display on a CPT boring log (See Appendix C). Rinseate generated

during drilling activities was containerized in properly labeled DOT-approved 55-gallon drums and was stored on-site in an area lacking public access. All CPT soil borings were backfilled by inserting hollow rods to total depth of each boring and backfilling with a Portland type II cement grout mix.

2.2. STRATIGRAPHY

Based on the findings from CPT soil-behavior sounding-borings the following is a summary of lithologic observations for each sounding location:

- *CPT-1* – In general fine grained clays, silts, silty clays and silty sands were observed from near surface to 22 feet bsg and from 26 to 66 feet bsg. Course grained sands or gravels were generally observed between 22 and 26 feet bsg. Undefined or very stiff soil likely representing gravels or stiff sands were encountered from 66 feet to 96 feet bsg;
- *CPT-2* – In general fine grained clays, silts, silty clays and silty sands observed from near surface to 22 feet bsg, from 23 to 26 feet bsg and from 54 to 96 feet bsg. Whereas, course grained sands or gravels and sand were generally observed between 22 and 23 feet bsg, from 32 to 54 feet bsg and from 96 to 100 feet bsg;
- *CPT-3* – In general fine grained clays, silts, silty clays and silty sands observed from near surface to 20 feet bsg, from 38 to 48 feet bsg and from 54 to 62 feet bsg. Whereas, course grained sands or gravels and sand were generally observed between 20 and 28 feet bsg, from 38 to 48 feet bsg and from 54 to 62 feet bsg;
- *CPT-4* –Course grained sands or gravels and sand were generally observed from near surface grade to 28 feet bsg and between 36 and 73 feet bsg. Whereas fine grained silts and clay mixtures were generally observed from 28 to 36 feet bsg;
- *CPT-5* – Course grained sands or gravels and sand were generally observed from near surface grade to 30 feet bsg and between 78 and 88 feet bsg. Whereas fine grained silts and clay mixtures were generally observed from 30 to 78 feet bsg;
- *CPT-6* – Course grained sands or gravels and sand were generally observed from near surface grade to 12 feet bsg, between 20 and 36 feet bsg and from 46 to 66 feet bsg. Whereas fine grained silts and clay mixtures were generally observed from 12 to 20 feet bsg and from 36 to 46 feet bsg;
- *CPT-7* – Course grained sands or gravels and sand were generally observed from near surface grade to 32 feet bsg and between 40 and 54 feet bsg. Whereas fine grained silts and clay mixtures were generally observed from 32 to 40 feet bsg and from 54 to 64 feet bsg. From 64 feet to termination depth

lithology varied from sand to undefined layers likely representative of gravels; and

- *CPT-8* – Course grained sands or gravels and sand were generally observed from near surface grade to 30 feet bsg and between 46 and 50 feet bsg. Whereas fine grained silts and clay mixtures were generally observed from 30 to 46 feet bsg and from 50 to 90 feet bsg. From 90 feet to a termination depth of 96 feet bsg, lithology varied from sand to undefined likely representative of gravels;

CPT computer-generated boring logs are included in Appendix C.

2.3. CPT DRILLING AND GROUNDWATER COLLECTION PROCEDURES

A 30-ton truck-mounted CPT drill rig equipped with 2-inch diameter hollow-stem rods fitted with a HydroPunch groundwater sampling tool utilized a hydraulic ram to advance to specified depths in each soil boring. A HydroPunch sample tool was pushed into the specified zone, then withdrawn approximately four to ten feet to expose an inlet screen. The interior of the sampling tool filled with water and a ½-inch outer diameter (O.D.) stainless steel bailer was lowered and utilized to extract a groundwater sample. Groundwater samples were collected in areas where CPT data indicate favorable conditions for sampling groundwater. All rinseate generated during drilling activities was containerized in properly labeled DOT-approved 55-gallon drums, and was stored on-site in an area lacking public access. All soil borings were backfilled over their entire depth with a Portland cement grout mix.

Following sample collection, each preserved sample was logged on a chain-of-custody form, placed in a chilled container and transported to McCampbell Analytical Inc. (MAI), a California Department of Public Health (CDPH)-certified laboratory. All samples were analyzed for Volatile Organic Compounds by EPA method 8260B.

2.4. LABORATORY RESULTS OF “GRAB” GROUNDWATER SAMPLES

A total of fourteen (14) “grab” groundwater samples were collected from additional borings immediately adjacent to sounding borings CPT-1 through CPT-8. Samples were submitted for laboratory analysis and analyzed for the constituents listed in Section 2.3. The following is a summary of the results:

- Benzene was detected three (3) of the fourteen samples at a maximum concentration of 1.5 micrograms per liter (µg/l; CPT-2-92-95W).
- Chloroform was detected in twelve of the fourteen samples at concentrations ranging from 1.6 µg/l (CPT-4-66-70W) to 16 µg/l (CPT-8-47-57W).
- Tetrachloroethene (PCE) was detected in four of the fourteen samples at a maximum concentration of 2.1 µg/l (CPT3-48-58W).

No other petroleum hydrocarbon constituents were detected by the laboratory analyses. The laboratory reports (MAI Work Order Nos. 1612B89, 1612D25, 1612E04, 1612E05, 1612E51 and 1612E52) and chain-of-custody forms are presented in Appendix D. Grab groundwater sample identification, depth, and analytical results are summarized in Table 1. GeoTracker confirmation numbers for submittals of laboratory electronic deliverable format (EDF) files, boring logs and map files are as follows: 9511515021, 7635245978, 4511587738, 8323843598, 3604804754, 7348444342.

3.0. CONCLUSIONS

Implications of the December 2016 CPT investigation results are as follows:

- A total of eight CPT borings were advanced to varying depths during the December 2016 investigation. A total of fourteen (14) grab groundwater samples were collected analyzed, during the investigation to determine the lateral and vertical extents of chlorinated hydrocarbon impact resulting from historical dry cleaning operations performed at the site;
- First groundwater at the site appeared to be located at a depths ranging from 46 to 48 feet bsg, based on samples collected during the December 2016 investigation;
- Low-levels of benzene were detected in selected borings during the investigation. Both constituent detections are well below San Francisco Bay Area Environmental Screening Levels (ESLs) for a commercial setting (Appendix D);
- Constituent of concern, PCE, were detected in four (4) of the fourteen samples analyzed from the investigation. All reported concentrations are below regulatory thresholds. Laterally and vertically dissolved PCE impact appears minor and should not warrant additional investigation, as residual impact should attenuate over time.

4.0. RECOMMENDATIONS

Based on the results of the December 2016 investigation, AGE recommends that no additional groundwater investigation be completed for the site. Low levels of constituent of concern PCE were selectively detected but do not warrant additional investigation or installation of a groundwater monitoring well network. The remaining focus should be placed on remediation of soil/soil-vapor through continued soil-vapor extraction operation.

5.0. LIMITATIONS

Our professional services were performed using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar localities. Findings were based upon analytical results provided by an independent laboratory. Evaluation of the geologic and hydrogeologic conditions at the site for the purpose of this investigation was made from a limited number of available data points (CPT data and groundwater samples) and subsurface conditions may vary away from these data points. No other warranty, expressed or implied, is made as to the professional interpretations, opinions, and recommendations contained in this report.

FIGURES

N

SCALE
0 2000 4000
FEET

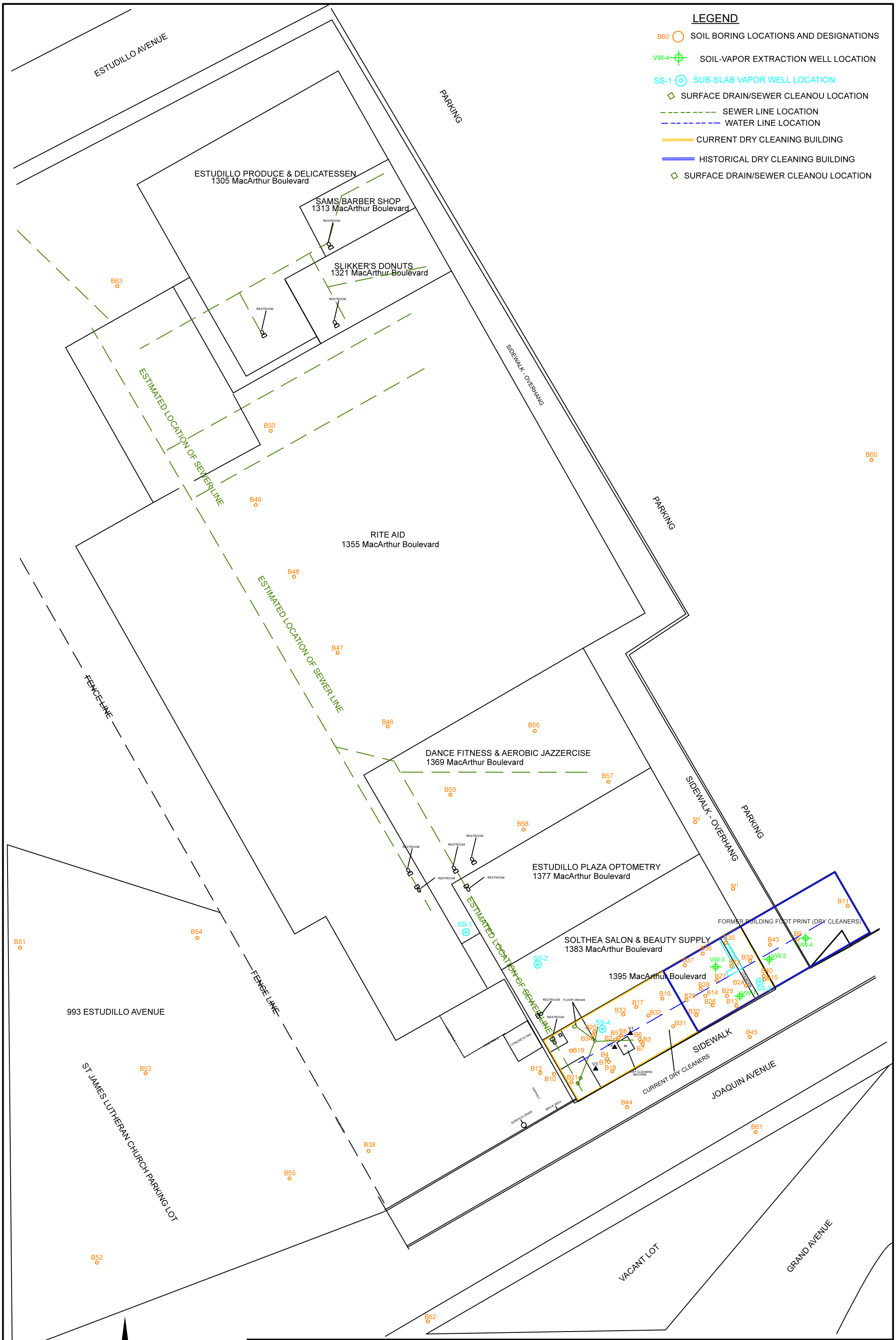
SAN LEANDRO QUADRANGLE, CALIFORNIA
7.5 MINUTE SERIES (U.S. GEOLOGICAL SURVEY)

LOCATION MAP

SWISS VALLEY CLEANERS
1395 MacArthur Boulevard
SAN LEANDRO, CALIFORNIA

Advanced GeoEnvironmental, Inc.
www.advgeoenv.com

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

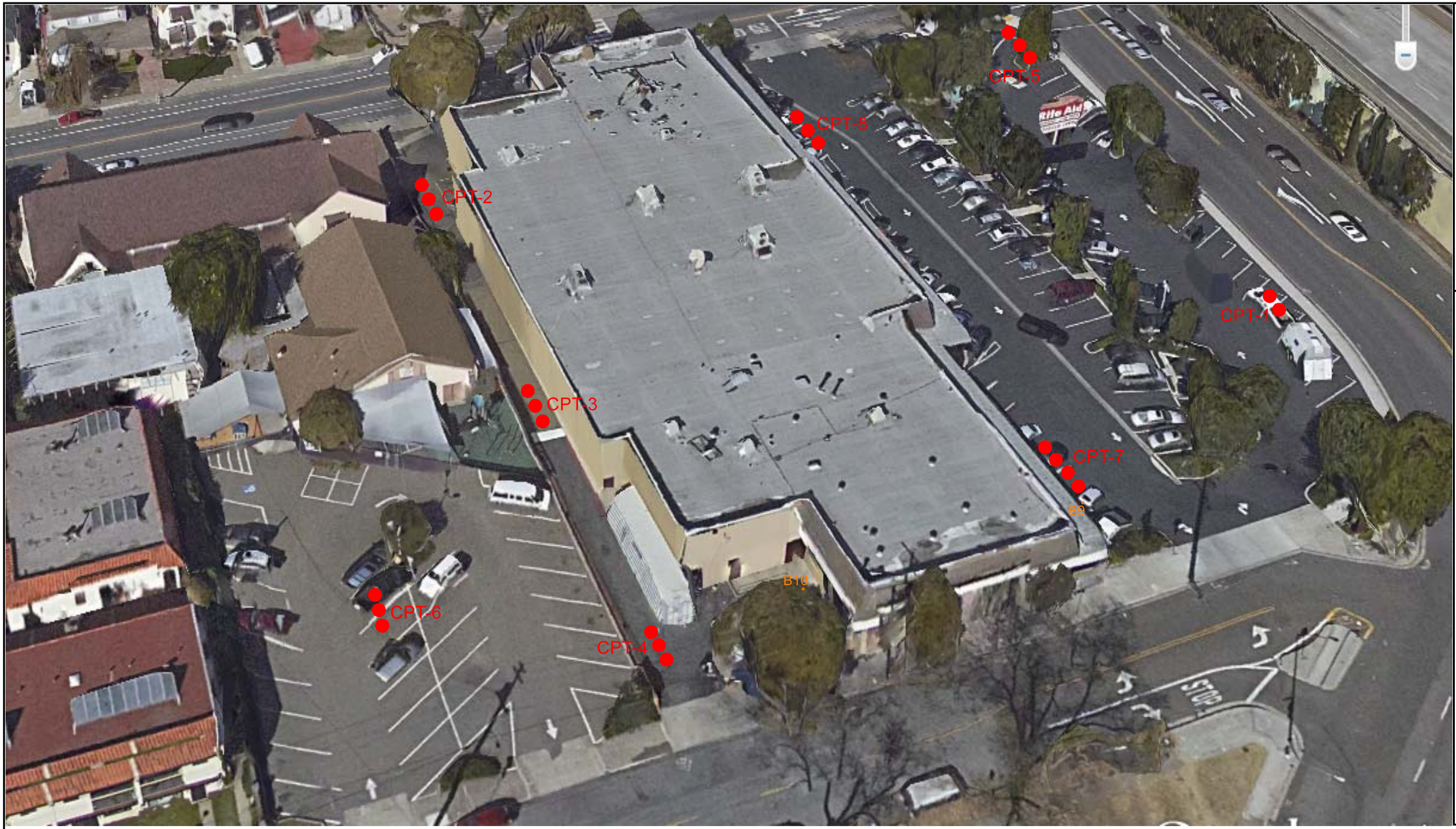
PROJECT NO. AGE-12-2461	FILE: FILE	FIGURE: 2
DATE: MAY 2014	DRAWN BY: MAC	

SOIL-VAPOR WELLS & TRENCHING LOCATIONS

SWISS VALLEY CLEANERS
1395 MACARTHUR BOULEVARD
SAN LEANDRO, CALIFORNIA

Advanced GeoEnvironmental, Inc.
www.advgeoenv.com

PROJECT NO. AGE 12-2461	FILE: FILE	FIGURE: 3
DATE: JANUARY 2017	DRAWN BY: MAC	



CPT BORING LOCATIONS
SWISS VALLEY CLEANERS
1395 MACARTHUR BOULEVARD
SAN LEANDRO, CALIFORNIA

Advanced GeoEnvironmental, Inc.
www.advgeoenv.com

PROJECT NO.	AGE - 12-2461	FILE:	FIGURE: 4
DATE:	FEBRUARY 2017	DRAWN BY:	MAC

LEGEND

CPT-6

Cone Penetration Testing Boring Locations (CPT)
(Multiple borings for depth descrete samples)

N

SCALE
0 40 80
FEET

TABLES

TABLE 1

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
CPT1-80-84W	12-19-2016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
CPT2-47-57W	12-20-2016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
CPT2-92-96W	12-20-2016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
CPT3-48-58W	12-21-2016	**2.1**	<0.5	<0.5	<0.5	<0.5	<0.5	<10
CPT4-47-57W	12-22-2016	**1.4**	<0.5	<0.5	<0.5	<0.5	<0.5	<10
CPT4-66-70W	12-22-2016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
CPT5-47-57W	12-27-2016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
CPT5-78-83W	12-27-2016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
CPT6-46-56W	12-27-2016	**3.0**	<0.5	<0.5	<0.5	<0.5	<0.5	<10
CPT6-70-80W	12-30-2016	**1.7**	<0.5	<0.5	<0.5	<0.5	<0.5	<10
CPT7-47-57W	12-28-2016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
CPT7-76-86W	12-28-2016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
CPT8-47-57W	12-29-2016	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10
CPT8-87-91W	12-29-2016	<0.5	<0.5	<0.5	<0.5	<0.5	<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

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
LOCAL OVERSIGHT PROGRAM (LOP)
For Hazardous Materials Releases
1131 HARBOR BAY PARKWAY, SUITE 250
ALAMEDA, CA 94502
(510) 567-6700
FAX (510) 337-9335

November 28, 2016

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

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

Dear Mr. Brooks:

Alameda County Department of Environmental Health (ACDEH) has reviewed the *Cone Penetration Testing Work Plan,* dated October 12, 2016 and the *Indoor Air & Sub-Slab Monitoring Report,* dated November 16, 2016. The reports were prepared and submitted on your behalf by Advanced GeoEnvironmental, Inc, (AGE). Thank you for undertaking the work and submitting the reports.

The work plan proposed the installation of eight Cone Penetration Test (CPT) bores at strategic locations on- and offsite, and proposed to collect grab groundwater samples in three depth intervals for the purpose of delineating the lateral and vertical extent of potential tetrachloroethene (PCE) contamination beneath the site and vicinity.

The indoor air and sub-slab vapor monitoring report re-accessed existing sub-slab vapor points at the site and re-collected indoor air PCE vapor concentrations to determine the status of contaminant concentrations subsequent to the installation of additional ventilation intakes in tenant spaces and the installation of the remedial system at the site. Both increases and decreases were observed in both sub-slab and indoor air concentrations.

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. **Groundwater Investigation** – The referenced groundwater investigation work plan proposes a series of actions with which ACDEH is in general agreement of undertaking. Please submit the results of the investigation in a report by the date identified below.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACDEH 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:

- **February 3, 2017** – Groundwater Investigation
  File to be named: RO3120_SWI_R_yyyy-mm-dd

Online case files are available for review at the following website: http://www.acgov.org/aceh/index.htm.

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,

Digitally signed by Mark Detterman
DN: cn=Mark Detterman, o=ACEH, ou=ACEH, email=mark.detterman@acgov.org, c=US
Date: 2016.11.28 16:57:29 -08'00'

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, ACDEH, (Sent via electronic mail to: dilan.roe@acgov.org)
Paresh Khatri, ACDEH; (Sent via electronic mail to: paresh.khatri@acgov.org)
Mark Detterman, ACDEH, (Sent via electronic mail to: mark.detterman@acgov.org)
Electronic File; GeoTracker

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: 12/07/2016 By jamesy

Permit Numbers: W2016-0852
Permits Valid from 12/19/2016 to 12/30/2016

Application Id:	1480980847331	**City of Project Site:** San Leandro
Site Location:	1395 MacArthur Boulevard	
Project Start Date:	12/19/2016	**Completion Date:** 12/30/2016
Assigned Inspector:	Contact Marcelino Vialpando at (510) 670-5760 or Marcelino@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:** 510-797-7980
Client:	** same as Property Owner **	
Contact:	Daniel Villanueva	**Phone:** 209-467-1006 **Cell:** 209-601-3541

	Total Due:	$265.00
Receipt Number: WR2016-0582	**Total Amount Paid:**	$265.00
Payer Name : Robert Marty	Paid By: VISA	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 28 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: CPT **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2016-0852	12/07/2016	03/19/2017	28	1.50 in.	100.00 ft

510 909-2244
Roger WARD- 92

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

Alameda County Public Works Agency - Water Resources Well Permit

5. 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.

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. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

8. 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.

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: 12/07/2016 By jamesy

Permit Numbers: W2016-0853
Permits Valid from 12/19/2016 to 01/30/2017

Application Id:	1480981256257	**City of Project Site:** San Leandro
Site Location:	993 Estudillo Avenue	
Project Start Date:	12/19/2016	**Completion Date:** 01/30/2017
Assigned Inspector:	Contact Marcelino Vialpando at (510) 670-5760 or Marcelino@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:** 510-895-2286
Client:	William Brooks 4725 Thornton Avenue, Fremont, CA 94536	**Phone:** 510-797-7980
Contact:	Daniel Villanueva	**Phone:** 209-467-1006 **Cell:** 209-601-3541

	Total Due:	$265.00
Receipt Number: WR2016-0583	**Total Amount Paid:**	$265.00
Payer Name : Robert Marty	Paid By: VISA	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 4 Boreholes
Driller: Advanced GeoEnvironmental Inc. - Lic #: 485165 - Method: CPT **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2016-0853	12/07/2016	03/19/2017	4	1.50 in.	100.00 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. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the

permits and requirements have been approved or obtained.

5. 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.

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. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

8. 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.

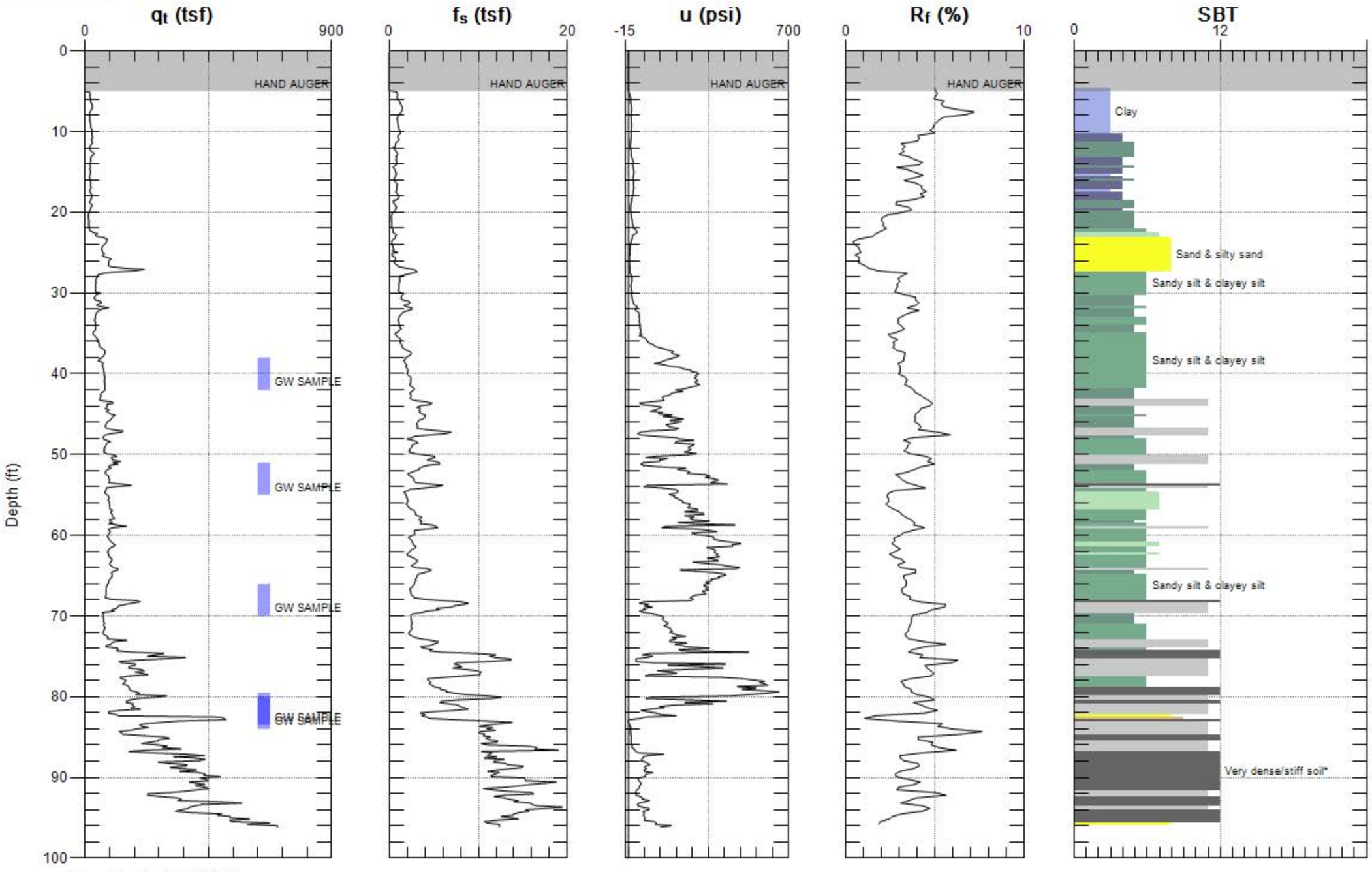
9. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

APPENDIX C

ADVANCED GEOENVIRONMENTAL

Site: SWISS VALLEY
Sounding: CPT-1

Engineer: D.VILLANUEVA
Date: 12/19/16 11:02



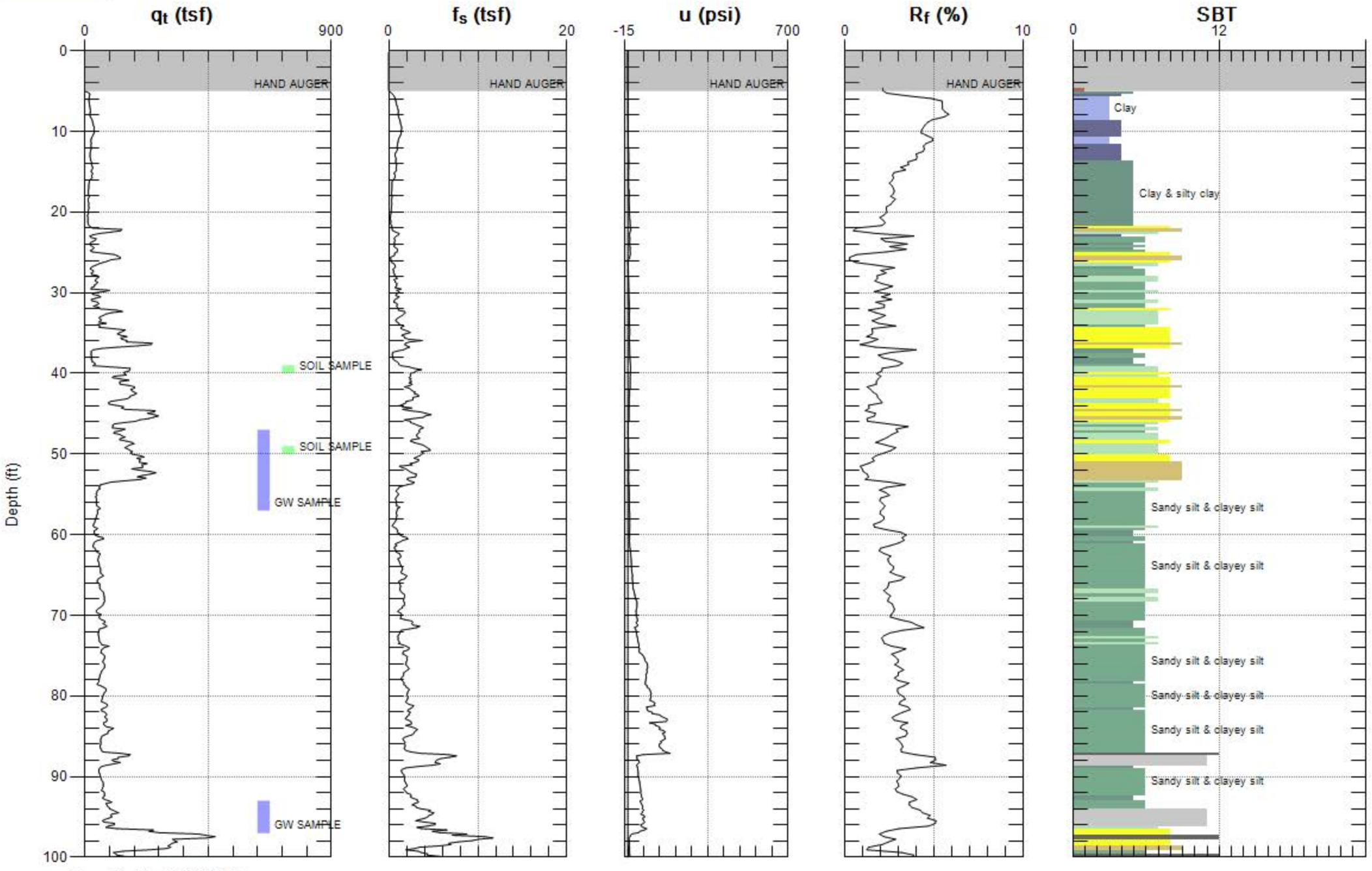
Max. Depth: 96.129 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

ADVANCED GEOENVIRONMENTAL

Site: SWISS VALLEY
Sounding: CPT-2

Engineer: D.VILLANUEVA
Date: 12/20/16 08:42



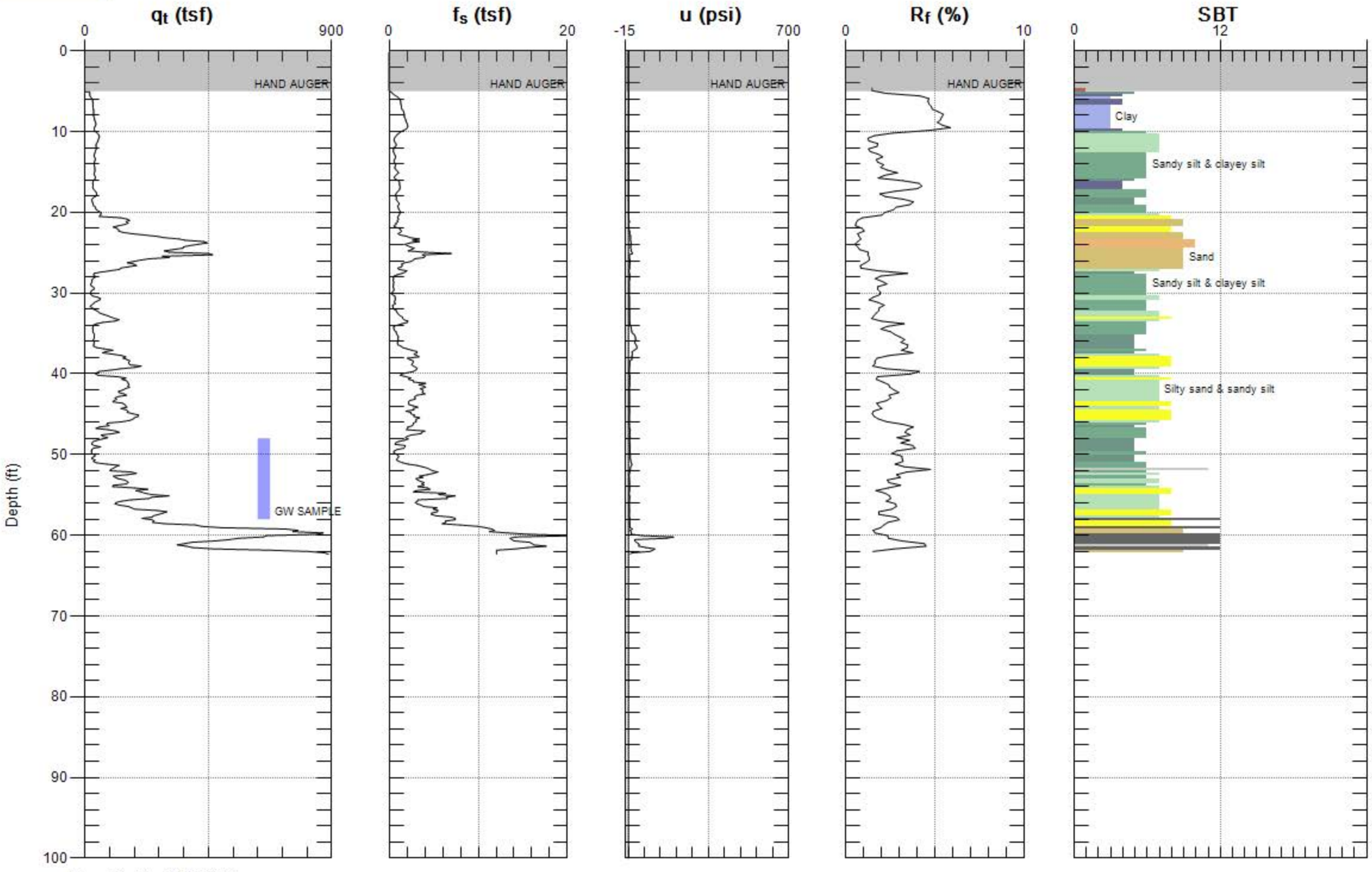
Max. Depth: 100.230 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

ADVANCED GEOENVIRONMENTAL

Site: SWISS VALLEY
Sounding: CPT-3

Engineer: D.VILLANUEVA
Date: 12/21/16 07:50



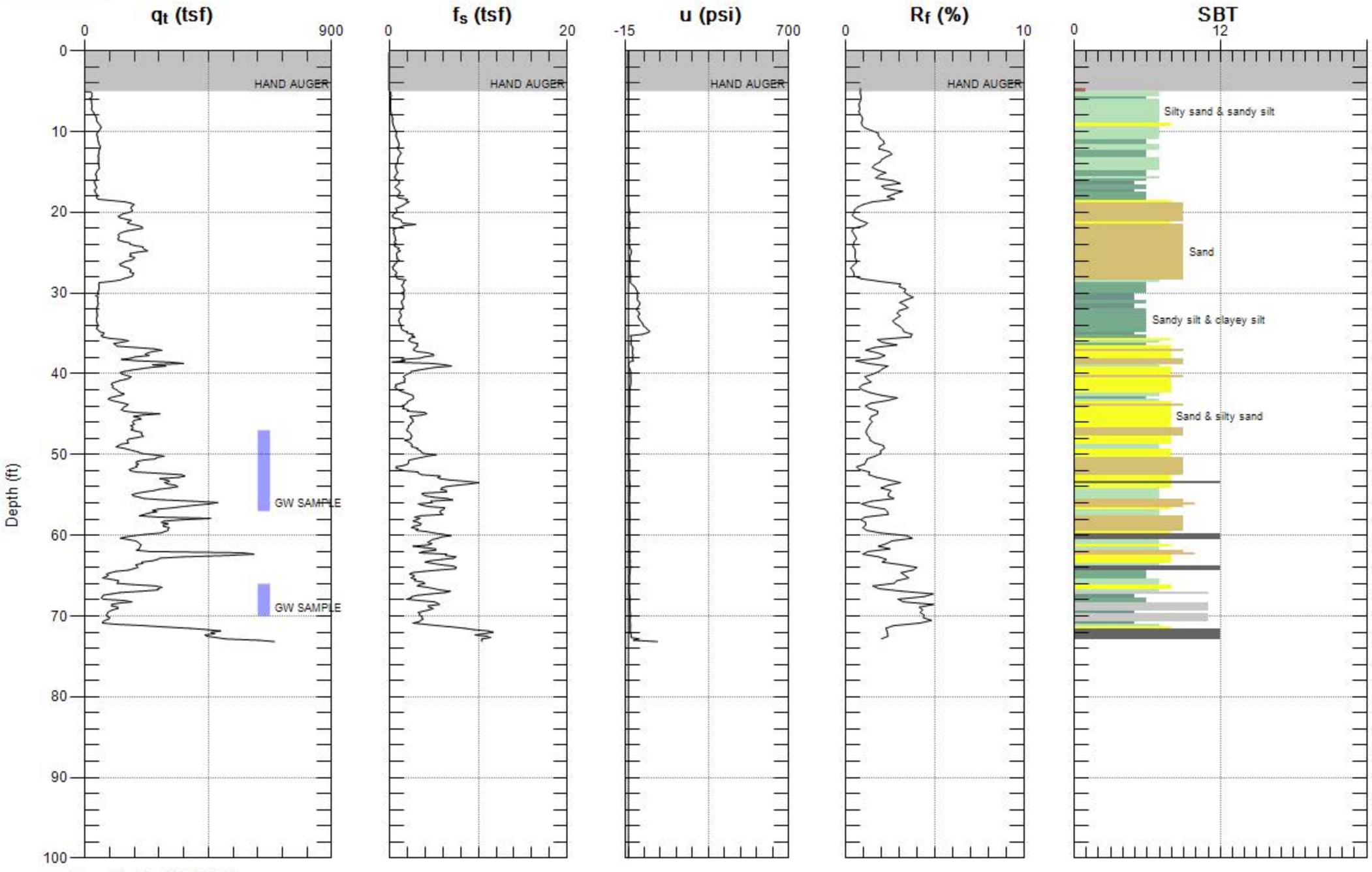
Max. Depth: 62.336 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

ADVANCED GEOENVIRONMENTAL

Site: SWISS VALLEY
Sounding: CPT-4

Engineer: D.VILLANUEVA
Date: 12/22/16 07:35



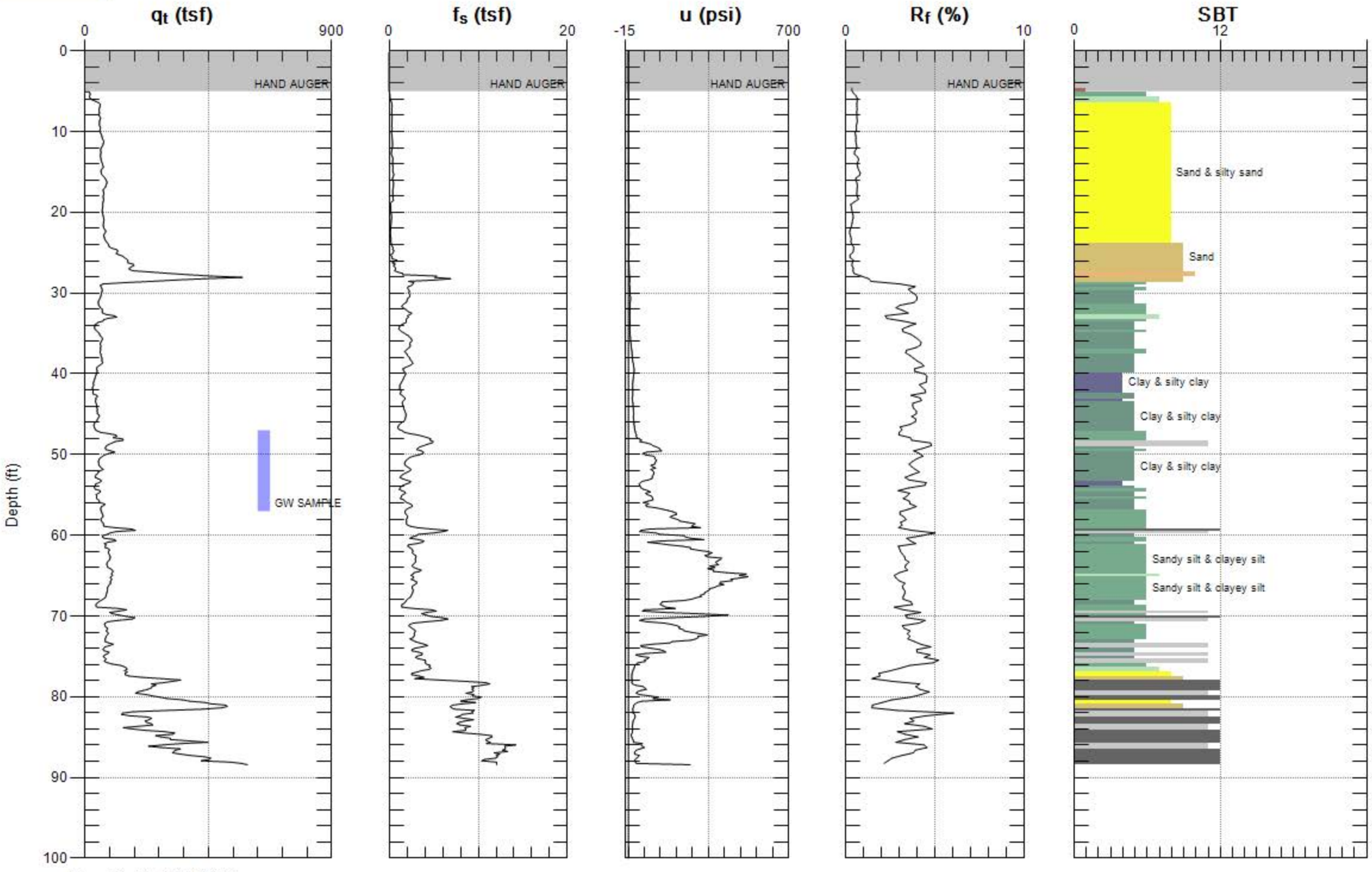
Max. Depth: 73.163 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

ADVANCED GEOENVIRONMENTAL

Site: SWISS VALLEY
Sounding: CPT-5

Engineer: D.VILLANUEVA
Date: 12/23/16 07:18



Max. Depth: 88.419 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

APPENDIX D

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1612B89

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: 12/22/2016

Analytical Report reviewed & approved for release on 12/29/2016 by:

Angela Rydelius,
Laboratory Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033ORELAP

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: 1612B89

Glossary Abbreviation

%D	Serial Dilution Percent Difference
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)
DLT	Dilution Test (Serial Dilution)
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.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
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
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

c8	sample pH is greater than 2

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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612B89
Date Received:	12/22/16 14:00	**Extraction Method:**	SW5030B
Date Prepared:	12/28/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT1-80-84W	1612B89-001A	Water	12/19/2016 15:25	GC18	131911

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	12/28/2016 21:27
tert-Amyl methyl ether (TAME)	ND	0.50	1	12/28/2016 21:27
Benzene	ND	0.50	1	12/28/2016 21:27
Bromobenzene	ND	0.50	1	12/28/2016 21:27
Bromochloromethane	ND	0.50	1	12/28/2016 21:27
Bromodichloromethane	ND	0.50	1	12/28/2016 21:27
Bromoform	ND	0.50	1	12/28/2016 21:27
Bromomethane	ND	0.50	1	12/28/2016 21:27
2-Butanone (MEK)	ND	2.0	1	12/28/2016 21:27
t-Butyl alcohol (TBA)	ND	2.0	1	12/28/2016 21:27
n-Butyl benzene	ND	0.50	1	12/28/2016 21:27
sec-Butyl benzene	ND	0.50	1	12/28/2016 21:27
tert-Butyl benzene	ND	0.50	1	12/28/2016 21:27
Carbon Disulfide	ND	0.50	1	12/28/2016 21:27
Carbon Tetrachloride	ND	0.50	1	12/28/2016 21:27
Chlorobenzene	ND	0.50	1	12/28/2016 21:27
Chloroethane	ND	0.50	1	12/28/2016 21:27
Chloroform	ND	0.50	1	12/28/2016 21:27
Chloromethane	ND	0.50	1	12/28/2016 21:27
2-Chlorotoluene	ND	0.50	1	12/28/2016 21:27
4-Chlorotoluene	ND	0.50	1	12/28/2016 21:27
Dibromochloromethane	ND	0.50	1	12/28/2016 21:27
1,2-Dibromo-3-chloropropane	ND	0.20	1	12/28/2016 21:27
1,2-Dibromoethane (EDB)	ND	0.50	1	12/28/2016 21:27
Dibromomethane	ND	0.50	1	12/28/2016 21:27
1,2-Dichlorobenzene	ND	0.50	1	12/28/2016 21:27
1,3-Dichlorobenzene	ND	0.50	1	12/28/2016 21:27
1,4-Dichlorobenzene	ND	0.50	1	12/28/2016 21:27
Dichlorodifluoromethane	ND	0.50	1	12/28/2016 21:27
1,1-Dichloroethane	ND	0.50	1	12/28/2016 21:27
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	12/28/2016 21:27
1,1-Dichloroethene	ND	0.50	1	12/28/2016 21:27
cis-1,2-Dichloroethene	ND	0.50	1	12/28/2016 21:27
trans-1,2-Dichloroethene	ND	0.50	1	12/28/2016 21:27
1,2-Dichloropropane	ND	0.50	1	12/28/2016 21:27
1,3-Dichloropropane	ND	0.50	1	12/28/2016 21:27
2,2-Dichloropropane	ND	0.50	1	12/28/2016 21:27

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612B89
Date Received:	12/22/16 14:00	**Extraction Method:**	SW5030B
Date Prepared:	12/28/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT1-80-84W	1612B89-001A	Water	12/19/2016 15:25	GC18	131911

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	12/28/2016 21:27
cis-1,3-Dichloropropene	ND	0.50	1	12/28/2016 21:27
trans-1,3-Dichloropropene	ND	0.50	1	12/28/2016 21:27
Diisopropyl ether (DIPE)	ND	0.50	1	12/28/2016 21:27
Ethylbenzene	ND	0.50	1	12/28/2016 21:27
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	12/28/2016 21:27
Freon 113	ND	0.50	1	12/28/2016 21:27
Hexachlorobutadiene	ND	0.50	1	12/28/2016 21:27
Hexachloroethane	ND	0.50	1	12/28/2016 21:27
2-Hexanone	ND	0.50	1	12/28/2016 21:27
Isopropylbenzene	ND	0.50	1	12/28/2016 21:27
4-Isopropyl toluene	ND	0.50	1	12/28/2016 21:27
Methyl-t-butyl ether (MTBE)	ND	0.50	1	12/28/2016 21:27
Methylene chloride	ND	0.50	1	12/28/2016 21:27
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	12/28/2016 21:27
Naphthalene	ND	0.50	1	12/28/2016 21:27
n-Propyl benzene	ND	0.50	1	12/28/2016 21:27
Styrene	ND	0.50	1	12/28/2016 21:27
1,1,1,2-Tetrachloroethane	ND	0.50	1	12/28/2016 21:27
1,1,2,2-Tetrachloroethane	ND	0.50	1	12/28/2016 21:27
Tetrachloroethene	ND	0.50	1	12/28/2016 21:27
Toluene	ND	0.50	1	12/28/2016 21:27
1,2,3-Trichlorobenzene	ND	0.50	1	12/28/2016 21:27
1,2,4-Trichlorobenzene	ND	0.50	1	12/28/2016 21:27
1,1,1-Trichloroethane	ND	0.50	1	12/28/2016 21:27
1,1,2-Trichloroethane	ND	0.50	1	12/28/2016 21:27
Trichloroethene	ND	0.50	1	12/28/2016 21:27
Trichlorofluoromethane	ND	0.50	1	12/28/2016 21:27
1,2,3-Trichloropropane	ND	0.50	1	12/28/2016 21:27
1,2,4-Trimethylbenzene	ND	0.50	1	12/28/2016 21:27
1,3,5-Trimethylbenzene	ND	0.50	1	12/28/2016 21:27
Vinyl Chloride	ND	0.50	1	12/28/2016 21:27
Xylenes, Total	ND	0.50	1	12/28/2016 21:27

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612B89
Date Received:	12/22/16 14:00	**Extraction Method:**	SW5030B
Date Prepared:	12/28/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT1-80-84W	**1612B89-001A**	**Water**	**12/19/2016 15:25**	**GC18**	**131911**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	105	70-130		12/28/2016 21:27
Toluene-d8	99	70-130		12/28/2016 21:27
4-BFB	86	70-130		12/28/2016 21:27

Analyst(s): HK

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612B89
Date Received:	12/22/16 14:00	**Extraction Method:**	SW5030B
Date Prepared:	12/28/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT2-47-57W	**1612B89-002A**	**Water**	**12/21/2016 12:55**	**GC18**	**131911**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	12/28/2016 22:06
tert-Amyl methyl ether (TAME)	ND	0.50	1	12/28/2016 22:06
Benzene	ND	0.50	1	12/28/2016 22:06
Bromobenzene	ND	0.50	1	12/28/2016 22:06
Bromochloromethane	ND	0.50	1	12/28/2016 22:06
Bromodichloromethane	ND	0.50	1	12/28/2016 22:06
Bromoform	ND	0.50	1	12/28/2016 22:06
Bromomethane	ND	0.50	1	12/28/2016 22:06
2-Butanone (MEK)	ND	2.0	1	12/28/2016 22:06
t-Butyl alcohol (TBA)	ND	2.0	1	12/28/2016 22:06
n-Butyl benzene	ND	0.50	1	12/28/2016 22:06
sec-Butyl benzene	ND	0.50	1	12/28/2016 22:06
tert-Butyl benzene	ND	0.50	1	12/28/2016 22:06
Carbon Disulfide	ND	0.50	1	12/28/2016 22:06
Carbon Tetrachloride	ND	0.50	1	12/28/2016 22:06
Chlorobenzene	ND	0.50	1	12/28/2016 22:06
Chloroethane	ND	0.50	1	12/28/2016 22:06
Chloroform	**6.3**	0.50	1	12/28/2016 22:06
Chloromethane	ND	0.50	1	12/28/2016 22:06
2-Chlorotoluene	ND	0.50	1	12/28/2016 22:06
4-Chlorotoluene	ND	0.50	1	12/28/2016 22:06
Dibromochloromethane	ND	0.50	1	12/28/2016 22:06
1,2-Dibromo-3-chloropropane	ND	0.20	1	12/28/2016 22:06
1,2-Dibromoethane (EDB)	ND	0.50	1	12/28/2016 22:06
Dibromomethane	ND	0.50	1	12/28/2016 22:06
1,2-Dichlorobenzene	ND	0.50	1	12/28/2016 22:06
1,3-Dichlorobenzene	ND	0.50	1	12/28/2016 22:06
1,4-Dichlorobenzene	ND	0.50	1	12/28/2016 22:06
Dichlorodifluoromethane	ND	0.50	1	12/28/2016 22:06
1,1-Dichloroethane	ND	0.50	1	12/28/2016 22:06
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	12/28/2016 22:06
1,1-Dichloroethene	ND	0.50	1	12/28/2016 22:06
cis-1,2-Dichloroethene	ND	0.50	1	12/28/2016 22:06
trans-1,2-Dichloroethene	ND	0.50	1	12/28/2016 22:06
1,2-Dichloropropane	ND	0.50	1	12/28/2016 22:06
1,3-Dichloropropane	ND	0.50	1	12/28/2016 22:06
2,2-Dichloropropane	ND	0.50	1	12/28/2016 22:06

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612B89
Date Received:	12/22/16 14:00	**Extraction Method:**	SW5030B
Date Prepared:	12/28/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT2-47-57W	1612B89-002A	Water	12/21/2016 12:55	GC18	131911

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	12/28/2016 22:06
cis-1,3-Dichloropropene	ND	0.50	1	12/28/2016 22:06
trans-1,3-Dichloropropene	ND	0.50	1	12/28/2016 22:06
Diisopropyl ether (DIPE)	ND	0.50	1	12/28/2016 22:06
Ethylbenzene	ND	0.50	1	12/28/2016 22:06
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	12/28/2016 22:06
Freon 113	ND	0.50	1	12/28/2016 22:06
Hexachlorobutadiene	ND	0.50	1	12/28/2016 22:06
Hexachloroethane	ND	0.50	1	12/28/2016 22:06
2-Hexanone	ND	0.50	1	12/28/2016 22:06
Isopropylbenzene	ND	0.50	1	12/28/2016 22:06
4-Isopropyl toluene	ND	0.50	1	12/28/2016 22:06
Methyl-t-butyl ether (MTBE)	ND	0.50	1	12/28/2016 22:06
Methylene chloride	ND	0.50	1	12/28/2016 22:06
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	12/28/2016 22:06
Naphthalene	ND	0.50	1	12/28/2016 22:06
n-Propyl benzene	ND	0.50	1	12/28/2016 22:06
Styrene	ND	0.50	1	12/28/2016 22:06
1,1,1,2-Tetrachloroethane	ND	0.50	1	12/28/2016 22:06
1,1,2,2-Tetrachloroethane	ND	0.50	1	12/28/2016 22:06
Tetrachloroethene	ND	0.50	1	12/28/2016 22:06
Toluene	ND	0.50	1	12/28/2016 22:06
1,2,3-Trichlorobenzene	ND	0.50	1	12/28/2016 22:06
1,2,4-Trichlorobenzene	ND	0.50	1	12/28/2016 22:06
1,1,1-Trichloroethane	ND	0.50	1	12/28/2016 22:06
1,1,2-Trichloroethane	ND	0.50	1	12/28/2016 22:06
Trichloroethene	ND	0.50	1	12/28/2016 22:06
Trichlorofluoromethane	ND	0.50	1	12/28/2016 22:06
1,2,3-Trichloropropane	ND	0.50	1	12/28/2016 22:06
1,2,4-Trimethylbenzene	ND	0.50	1	12/28/2016 22:06
1,3,5-Trimethylbenzene	ND	0.50	1	12/28/2016 22:06
Vinyl Chloride	ND	0.50	1	12/28/2016 22:06
Xylenes, Total	ND	0.50	1	12/28/2016 22:06

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612B89
Date Received:	12/22/16 14:00	**Extraction Method:**	SW5030B
Date Prepared:	12/28/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT2-47-57W	1612B89-002A	Water	12/21/2016 12:55	GC18	131911

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	105	70-130		12/28/2016 22:06
Toluene-d8	99	70-130		12/28/2016 22:06
4-BFB	85	70-130		12/28/2016 22:06

Analyst(s): HK

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612B89
Date Received:	12/22/16 14:00	**Extraction Method:**	SW5030B
Date Prepared:	12/28/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT2-92-96W	1612B89-003A	Water	12/21/2016 14:00	GC18	131911

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	12/28/2016 22:45
tert-Amyl methyl ether (TAME)	ND	0.50	1	12/28/2016 22:45
Benzene	**1.5**	0.50	1	12/28/2016 22:45
Bromobenzene	ND	0.50	1	12/28/2016 22:45
Bromochloromethane	ND	0.50	1	12/28/2016 22:45
Bromodichloromethane	ND	0.50	1	12/28/2016 22:45
Bromoform	ND	0.50	1	12/28/2016 22:45
Bromomethane	ND	0.50	1	12/28/2016 22:45
2-Butanone (MEK)	ND	2.0	1	12/28/2016 22:45
t-Butyl alcohol (TBA)	ND	2.0	1	12/28/2016 22:45
n-Butyl benzene	ND	0.50	1	12/28/2016 22:45
sec-Butyl benzene	ND	0.50	1	12/28/2016 22:45
tert-Butyl benzene	ND	0.50	1	12/28/2016 22:45
Carbon Disulfide	ND	0.50	1	12/28/2016 22:45
Carbon Tetrachloride	ND	0.50	1	12/28/2016 22:45
Chlorobenzene	ND	0.50	1	12/28/2016 22:45
Chloroethane	ND	0.50	1	12/28/2016 22:45
Chloroform	**3.9**	0.50	1	12/28/2016 22:45
Chloromethane	ND	0.50	1	12/28/2016 22:45
2-Chlorotoluene	ND	0.50	1	12/28/2016 22:45
4-Chlorotoluene	ND	0.50	1	12/28/2016 22:45
Dibromochloromethane	ND	0.50	1	12/28/2016 22:45
1,2-Dibromo-3-chloropropane	ND	0.20	1	12/28/2016 22:45
1,2-Dibromoethane (EDB)	ND	0.50	1	12/28/2016 22:45
Dibromomethane	ND	0.50	1	12/28/2016 22:45
1,2-Dichlorobenzene	ND	0.50	1	12/28/2016 22:45
1,3-Dichlorobenzene	ND	0.50	1	12/28/2016 22:45
1,4-Dichlorobenzene	ND	0.50	1	12/28/2016 22:45
Dichlorodifluoromethane	ND	0.50	1	12/28/2016 22:45
1,1-Dichloroethane	ND	0.50	1	12/28/2016 22:45
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	12/28/2016 22:45
1,1-Dichloroethene	ND	0.50	1	12/28/2016 22:45
cis-1,2-Dichloroethene	ND	0.50	1	12/28/2016 22:45
trans-1,2-Dichloroethene	ND	0.50	1	12/28/2016 22:45
1,2-Dichloropropane	ND	0.50	1	12/28/2016 22:45
1,3-Dichloropropane	ND	0.50	1	12/28/2016 22:45
2,2-Dichloropropane	ND	0.50	1	12/28/2016 22:45

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612B89
Date Received:	12/22/16 14:00	**Extraction Method:**	SW5030B
Date Prepared:	12/28/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT2-92-96W	1612B89-003A	Water	12/21/2016 14:00	GC18	131911

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	12/28/2016 22:45
cis-1,3-Dichloropropene	ND	0.50	1	12/28/2016 22:45
trans-1,3-Dichloropropene	ND	0.50	1	12/28/2016 22:45
Diisopropyl ether (DIPE)	ND	0.50	1	12/28/2016 22:45
Ethylbenzene	ND	0.50	1	12/28/2016 22:45
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	12/28/2016 22:45
Freon 113	ND	0.50	1	12/28/2016 22:45
Hexachlorobutadiene	ND	0.50	1	12/28/2016 22:45
Hexachloroethane	ND	0.50	1	12/28/2016 22:45
2-Hexanone	ND	0.50	1	12/28/2016 22:45
Isopropylbenzene	ND	0.50	1	12/28/2016 22:45
4-Isopropyl toluene	ND	0.50	1	12/28/2016 22:45
Methyl-t-butyl ether (MTBE)	ND	0.50	1	12/28/2016 22:45
Methylene chloride	ND	0.50	1	12/28/2016 22:45
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	12/28/2016 22:45
Naphthalene	ND	0.50	1	12/28/2016 22:45
n-Propyl benzene	ND	0.50	1	12/28/2016 22:45
Styrene	ND	0.50	1	12/28/2016 22:45
1,1,1,2-Tetrachloroethane	ND	0.50	1	12/28/2016 22:45
1,1,2,2-Tetrachloroethane	ND	0.50	1	12/28/2016 22:45
Tetrachloroethene	ND	0.50	1	12/28/2016 22:45
Toluene	ND	0.50	1	12/28/2016 22:45
1,2,3-Trichlorobenzene	ND	0.50	1	12/28/2016 22:45
1,2,4-Trichlorobenzene	ND	0.50	1	12/28/2016 22:45
1,1,1-Trichloroethane	ND	0.50	1	12/28/2016 22:45
1,1,2-Trichloroethane	ND	0.50	1	12/28/2016 22:45
Trichloroethene	ND	0.50	1	12/28/2016 22:45
Trichlorofluoromethane	ND	0.50	1	12/28/2016 22:45
1,2,3-Trichloropropane	ND	0.50	1	12/28/2016 22:45
1,2,4-Trimethylbenzene	ND	0.50	1	12/28/2016 22:45
1,3,5-Trimethylbenzene	ND	0.50	1	12/28/2016 22:45
Vinyl Chloride	ND	0.50	1	12/28/2016 22:45
Xylenes, Total	ND	0.50	1	12/28/2016 22:45

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612B89
Date Received:	12/22/16 14:00	**Extraction Method:**	SW5030B
Date Prepared:	12/28/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT2-92-96W	1612B89-003A	Water	12/21/2016 14:00	GC18	131911

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	105	70-130		12/28/2016 22:45
Toluene-d8	98	70-130		12/28/2016 22:45
4-BFB	85	70-130		12/28/2016 22:45

Analyst(s): HK

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612B89
Date Received:	12/22/16 14:00	**Extraction Method:**	SW5030B
Date Prepared:	12/28/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT3-48-58W	**1612B89-004A**	**Water**	**12/21/2016 11:00**	**GC18**	**131911**

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	12/28/2016 23:24
tert-Amyl methyl ether (TAME)	ND	0.50	1	12/28/2016 23:24
Benzene	ND	0.50	1	12/28/2016 23:24
Bromobenzene	ND	0.50	1	12/28/2016 23:24
Bromochloromethane	ND	0.50	1	12/28/2016 23:24
Bromodichloromethane	ND	0.50	1	12/28/2016 23:24
Bromoform	ND	0.50	1	12/28/2016 23:24
Bromomethane	ND	0.50	1	12/28/2016 23:24
2-Butanone (MEK)	ND	2.0	1	12/28/2016 23:24
t-Butyl alcohol (TBA)	ND	2.0	1	12/28/2016 23:24
n-Butyl benzene	ND	0.50	1	12/28/2016 23:24
sec-Butyl benzene	ND	0.50	1	12/28/2016 23:24
tert-Butyl benzene	ND	0.50	1	12/28/2016 23:24
Carbon Disulfide	ND	0.50	1	12/28/2016 23:24
Carbon Tetrachloride	ND	0.50	1	12/28/2016 23:24
Chlorobenzene	ND	0.50	1	12/28/2016 23:24
Chloroethane	ND	0.50	1	12/28/2016 23:24
Chloroform	**5.3**	0.50	1	12/28/2016 23:24
Chloromethane	ND	0.50	1	12/28/2016 23:24
2-Chlorotoluene	ND	0.50	1	12/28/2016 23:24
4-Chlorotoluene	ND	0.50	1	12/28/2016 23:24
Dibromochloromethane	ND	0.50	1	12/28/2016 23:24
1,2-Dibromo-3-chloropropane	ND	0.20	1	12/28/2016 23:24
1,2-Dibromoethane (EDB)	ND	0.50	1	12/28/2016 23:24
Dibromomethane	ND	0.50	1	12/28/2016 23:24
1,2-Dichlorobenzene	ND	0.50	1	12/28/2016 23:24
1,3-Dichlorobenzene	ND	0.50	1	12/28/2016 23:24
1,4-Dichlorobenzene	ND	0.50	1	12/28/2016 23:24
Dichlorodifluoromethane	ND	0.50	1	12/28/2016 23:24
1,1-Dichloroethane	ND	0.50	1	12/28/2016 23:24
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	12/28/2016 23:24
1,1-Dichloroethene	ND	0.50	1	12/28/2016 23:24
cis-1,2-Dichloroethene	ND	0.50	1	12/28/2016 23:24
trans-1,2-Dichloroethene	ND	0.50	1	12/28/2016 23:24
1,2-Dichloropropane	ND	0.50	1	12/28/2016 23:24
1,3-Dichloropropane	ND	0.50	1	12/28/2016 23:24
2,2-Dichloropropane	ND	0.50	1	12/28/2016 23:24

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612B89
Date Received:	12/22/16 14:00	**Extraction Method:**	SW5030B
Date Prepared:	12/28/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT3-48-58W	1612B89-004A	Water	12/21/2016 11:00	GC18	131911

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	12/28/2016 23:24
cis-1,3-Dichloropropene	ND	0.50	1	12/28/2016 23:24
trans-1,3-Dichloropropene	ND	0.50	1	12/28/2016 23:24
Diisopropyl ether (DIPE)	ND	0.50	1	12/28/2016 23:24
Ethylbenzene	ND	0.50	1	12/28/2016 23:24
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	12/28/2016 23:24
Freon 113	ND	0.50	1	12/28/2016 23:24
Hexachlorobutadiene	ND	0.50	1	12/28/2016 23:24
Hexachloroethane	ND	0.50	1	12/28/2016 23:24
2-Hexanone	ND	0.50	1	12/28/2016 23:24
Isopropylbenzene	ND	0.50	1	12/28/2016 23:24
4-Isopropyl toluene	ND	0.50	1	12/28/2016 23:24
Methyl-t-butyl ether (MTBE)	ND	0.50	1	12/28/2016 23:24
Methylene chloride	ND	0.50	1	12/28/2016 23:24
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	12/28/2016 23:24
Naphthalene	ND	0.50	1	12/28/2016 23:24
n-Propyl benzene	ND	0.50	1	12/28/2016 23:24
Styrene	ND	0.50	1	12/28/2016 23:24
1,1,1,2-Tetrachloroethane	ND	0.50	1	12/28/2016 23:24
1,1,2,2-Tetrachloroethane	ND	0.50	1	12/28/2016 23:24
Tetrachloroethene	**2.1**	0.50	1	12/28/2016 23:24
Toluene	ND	0.50	1	12/28/2016 23:24
1,2,3-Trichlorobenzene	ND	0.50	1	12/28/2016 23:24
1,2,4-Trichlorobenzene	ND	0.50	1	12/28/2016 23:24
1,1,1-Trichloroethane	ND	0.50	1	12/28/2016 23:24
1,1,2-Trichloroethane	ND	0.50	1	12/28/2016 23:24
Trichloroethene	ND	0.50	1	12/28/2016 23:24
Trichlorofluoromethane	ND	0.50	1	12/28/2016 23:24
1,2,3-Trichloropropane	ND	0.50	1	12/28/2016 23:24
1,2,4-Trimethylbenzene	ND	0.50	1	12/28/2016 23:24
1,3,5-Trimethylbenzene	ND	0.50	1	12/28/2016 23:24
Vinyl Chloride	ND	0.50	1	12/28/2016 23:24
Xylenes, Total	ND	0.50	1	12/28/2016 23:24

(Cont.)

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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612B89
Date Received:	12/22/16 14:00	**Extraction Method:**	SW5030B
Date Prepared:	12/28/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT3-48-58W	1612B89-004A	Water	12/21/2016 11:00	GC18	131911

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	106	70-130		12/28/2016 23:24
Toluene-d8	98	70-130		12/28/2016 23:24
4-BFB	86	70-130		12/28/2016 23:24

Analyst(s): HK Analytical Comments: c8

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612B89
Date Prepared:	12/28/16	**BatchID:**	131911
Date Analyzed:	12/28/16	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-131911 1612A25-001AMS/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	10.1	0.50	10	-	101	54-140
Benzene	ND	11.2	0.50	10	-	112	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	41.9	2.0	40	-	105	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	10.0	0.50	10	-	100	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	9.97	0.50	10	-	100	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	10.6	0.50	10	-	107	66-125
1,1-Dichloroethene	ND	10.5	0.50	10	-	105	47-149
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	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612B89
Date Prepared:	12/28/16	**BatchID:**	131911
Date Analyzed:	12/28/16	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-131911 1612A25-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	11.2	0.50	10	-	112	57-136
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	10.9	0.50	10	-	109	55-137
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	11.1	0.50	10	-	111	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	10.7	0.50	10	-	107	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	9.99	0.50	10	-	100	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	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612B89
Date Prepared:	12/28/16	**BatchID:**	131911
Date Analyzed:	12/28/16	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-131911 1612A25-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	25.7	26.0		25	103	104	70-130
Toluene-d8	25.4	25.5		25	102	102	70-130
4-BFB	2.13	2.18		2.5	85	87	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	9.69	10.0	10	ND	97	100	69-139	3.38	20
Benzene	10.8	11.0	10	ND	108	110	69-141	1.62	20
t-Butyl alcohol (TBA)	37.6	40.6	40	ND	94	102	41-152	7.80	20
Chlorobenzene	9.38	9.53	10	ND	94	95	77-120	1.56	20
1,2-Dibromoethane (EDB)	9.34	9.49	10	ND	93	95	76-135	1.53	20
1,2-Dichloroethane (1,2-DCA)	10.4	10.6	10	ND	104	106	73-139	1.84	20
1,1-Dichloroethene	10.1	10.2	10	ND	101	102	59-140	1.56	20
Diisopropyl ether (DIPE)	11.1	11.3	10	ND	111	113	72-140	1.42	20
Ethyl tert-butyl ether (ETBE)	10.7	10.9	10	ND	107	109	71-140	2.36	20
Methyl-t-butyl ether (MTBE)	11.3	11.7	10	0.5834	107	111	73-139	3.06	20
Toluene	10.1	10.1	10	ND	101	101	71-128	0	20
Trichloroethene	9.50	9.70	10	ND	95	97	64-132	2.06	20
Surrogate Recovery									
Dibromofluoromethane	26.5	26.7	25		106	107	73-131	0.641	20
Toluene-d8	25.5	25.2	25		102	101	72-117	0.955	20
4-BFB	2.14	2.17	2.5		86	87	74-116	1.27	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1612B89 **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
ap@advgeoenv.com

Requested TAT: 5 days;

Date Received: **12/22/2016**
Date Logged: **12/22/2016**

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
1612B89-001	CPT1-80-84W	Water	12/19/2016 15:25	☐	A											
1612B89-002	CPT2-47-57W	Water	12/21/2016 12:55	☐	A											
1612B89-003	CPT2-92-96W	Water	12/21/2016 14:00	☐	A											
1612B89-004	CPT3-48-58W	Water	12/21/2016 11:00	☐	A											

Test Legend:

1	8260B_W	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Briana Cutino

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.

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

WORK ORDER SUMMARY

Client Name: ADVANCED GEOENVIRONMENTAL, INC. **Project:** Swiss Valley Cleaners **Work Order:** 1612B89

Client Contact: Daniel Villanueva **QC Level:** LEVEL 2

Contact's Email: dvillanueva@advgeoenv.com **Comments:** **Date Logged:** 12/22/2016

☐ 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
1612B89-001A	CPT1-80-84W	Water	SW8260B (VOCs)	4	VOA w/ HCl	☐	12/19/2016 15:25	5 days	Trace	☐	
1612B89-002A	CPT2-47-57W	Water	SW8260B (VOCs)	4	VOA w/ HCl	☐	12/21/2016 12:55	5 days	Trace	☐	
1612B89-003A	CPT2-92-96W	Water	SW8260B (VOCs)	4	VOA w/ HCl	☐	12/21/2016 14:00	5 days	Trace	☐	
1612B89-004A	CPT3-48-58W	Water	SW8260B (VOCs)	4	VOA w/ HCl	☐	12/21/2016 11:00	5 days	Trace	☐	

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.

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
☐ _____

16128889

Date: 12-21-16 Page 1 of 1

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

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs 8260
CPT1-80-84W	12-19-16	1525	W	4		X
CPT2-47-57W	12-20-16	1255	W	4		X
CPT2-92-96W	12-20-16	1400	W	4		X
CPT3-48-58W	12-21-16	1100	W	4		X

Relinquished by: Rem Toth	Date: 12-22-16	Time: 1300	Laboratory: McCampbell Laboratories	
Courier: Plus courier			Received by:	Date: 12-22-16 Time: 1235
Relinquished by:	Date: 12-22-16	Time: 1400	Received by:	Date: 12/22/16 Time: 1400
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.

Rem Toth

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	**12/22/2016 14:00**
Project Name:	**Swiss Valley Cleaners**	Date Logged:	**12/22/2016**
		Received by:	Briana Cutino
WorkOrder №:	**1612B89** Matrix: Water	Logged by:	Briana Cutino
Carrier:	David Shaver (MAI Courier)		

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 ☐	NA ☐
Sample/Temp Blank temperature	Temp: 2.2°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 ☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1612D25

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: 12/27/2016

Analytical Report reviewed & approved for release on 01/03/2017 by:

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: 1612D25

Glossary Abbreviation

%D	Serial Dilution Percent Difference
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)
DLT	Dilution Test (Serial Dilution)
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.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
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
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612D25
Date Received:	12/27/16 10:42	**Extraction Method:**	SW5030B
Date Prepared:	12/29/16-12/31/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT4-47-57W	1612D25-001A	Water	12/22/2016 10:25	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	12/29/2016 15:08
tert-Amyl methyl ether (TAME)	ND	0.50	1	12/29/2016 15:08
Benzene	ND	0.50	1	12/29/2016 15:08
Bromobenzene	ND	0.50	1	12/29/2016 15:08
Bromochloromethane	ND	0.50	1	12/29/2016 15:08
Bromodichloromethane	ND	0.50	1	12/29/2016 15:08
Bromoform	ND	0.50	1	12/29/2016 15:08
Bromomethane	ND	0.50	1	12/29/2016 15:08
2-Butanone (MEK)	ND	2.0	1	12/29/2016 15:08
t-Butyl alcohol (TBA)	ND	2.0	1	12/29/2016 15:08
n-Butyl benzene	ND	0.50	1	12/29/2016 15:08
sec-Butyl benzene	ND	0.50	1	12/29/2016 15:08
tert-Butyl benzene	ND	0.50	1	12/29/2016 15:08
Carbon Disulfide	ND	0.50	1	12/29/2016 15:08
Carbon Tetrachloride	ND	0.50	1	12/29/2016 15:08
Chlorobenzene	ND	0.50	1	12/29/2016 15:08
Chloroethane	ND	0.50	1	12/29/2016 15:08
Chloroform	**2.1**	0.50	1	12/29/2016 15:08
Chloromethane	ND	0.50	1	12/29/2016 15:08
2-Chlorotoluene	ND	0.50	1	12/29/2016 15:08
4-Chlorotoluene	ND	0.50	1	12/29/2016 15:08
Dibromochloromethane	ND	0.50	1	12/29/2016 15:08
1,2-Dibromo-3-chloropropane	ND	0.20	1	12/29/2016 15:08
1,2-Dibromoethane (EDB)	ND	0.50	1	12/29/2016 15:08
Dibromomethane	ND	0.50	1	12/29/2016 15:08
1,2-Dichlorobenzene	ND	0.50	1	12/29/2016 15:08
1,3-Dichlorobenzene	ND	0.50	1	12/29/2016 15:08
1,4-Dichlorobenzene	ND	0.50	1	12/29/2016 15:08
Dichlorodifluoromethane	ND	0.50	1	12/29/2016 15:08
1,1-Dichloroethane	ND	0.50	1	12/29/2016 15:08
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	12/29/2016 15:08
1,1-Dichloroethene	ND	0.50	1	12/29/2016 15:08
cis-1,2-Dichloroethene	ND	0.50	1	12/29/2016 15:08
trans-1,2-Dichloroethene	ND	0.50	1	12/29/2016 15:08
1,2-Dichloropropane	ND	0.50	1	12/29/2016 15:08
1,3-Dichloropropane	ND	0.50	1	12/29/2016 15:08
2,2-Dichloropropane	ND	0.50	1	12/29/2016 15:08

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612D25
Date Received:	12/27/16 10:42	**Extraction Method:**	SW5030B
Date Prepared:	12/29/16-12/31/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT4-47-57W	1612D25-001A	Water	12/22/2016 10:25	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	12/29/2016 15:08
cis-1,3-Dichloropropene	ND	0.50	1	12/29/2016 15:08
trans-1,3-Dichloropropene	ND	0.50	1	12/29/2016 15:08
Diisopropyl ether (DIPE)	ND	0.50	1	12/29/2016 15:08
Ethylbenzene	ND	0.50	1	12/29/2016 15:08
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	12/29/2016 15:08
Freon 113	ND	0.50	1	12/29/2016 15:08
Hexachlorobutadiene	ND	0.50	1	12/29/2016 15:08
Hexachloroethane	ND	0.50	1	12/29/2016 15:08
2-Hexanone	ND	0.50	1	12/29/2016 15:08
Isopropylbenzene	ND	0.50	1	12/29/2016 15:08
4-Isopropyl toluene	ND	0.50	1	12/29/2016 15:08
Methyl-t-butyl ether (MTBE)	ND	0.50	1	12/29/2016 15:08
Methylene chloride	ND	0.50	1	12/29/2016 15:08
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	12/29/2016 15:08
Naphthalene	ND	0.50	1	12/29/2016 15:08
n-Propyl benzene	ND	0.50	1	12/29/2016 15:08
Styrene	ND	0.50	1	12/29/2016 15:08
1,1,1,2-Tetrachloroethane	ND	0.50	1	12/29/2016 15:08
1,1,2,2-Tetrachloroethane	ND	0.50	1	12/29/2016 15:08
Tetrachloroethene	**1.4**	0.50	1	12/29/2016 15:08
Toluene	ND	0.50	1	12/29/2016 15:08
1,2,3-Trichlorobenzene	ND	0.50	1	12/29/2016 15:08
1,2,4-Trichlorobenzene	ND	0.50	1	12/29/2016 15:08
1,1,1-Trichloroethane	ND	0.50	1	12/29/2016 15:08
1,1,2-Trichloroethane	ND	0.50	1	12/29/2016 15:08
Trichloroethene	ND	0.50	1	12/29/2016 15:08
Trichlorofluoromethane	ND	0.50	1	12/29/2016 15:08
1,2,3-Trichloropropane	ND	0.50	1	12/29/2016 15:08
1,2,4-Trimethylbenzene	ND	0.50	1	12/29/2016 15:08
1,3,5-Trimethylbenzene	ND	0.50	1	12/29/2016 15:08
Vinyl Chloride	ND	0.50	1	12/29/2016 15:08
Xylenes, Total	ND	0.50	1	12/29/2016 15:08

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612D25
Date Received:	12/27/16 10:42	**Extraction Method:**	SW5030B
Date Prepared:	12/29/16-12/31/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT4-47-57W	1612D25-001A	Water	12/22/2016 10:25	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	103	70-130		12/29/2016 15:08
Toluene-d8	102	70-130		12/29/2016 15:08
4-BFB	84	70-130		12/29/2016 15:08

Analyst(s): HK

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612D25
Date Received:	12/27/16 10:42	**Extraction Method:**	SW5030B
Date Prepared:	12/29/16-12/31/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT4-66-70W	1612D25-002A	Water	12/22/2016 11:25	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	12/29/2016 17:45
tert-Amyl methyl ether (TAME)	ND	0.50	1	12/29/2016 17:45
Benzene	ND	0.50	1	12/29/2016 17:45
Bromobenzene	ND	0.50	1	12/29/2016 17:45
Bromochloromethane	ND	0.50	1	12/29/2016 17:45
Bromodichloromethane	ND	0.50	1	12/29/2016 17:45
Bromoform	ND	0.50	1	12/29/2016 17:45
Bromomethane	ND	0.50	1	12/29/2016 17:45
2-Butanone (MEK)	ND	2.0	1	12/29/2016 17:45
t-Butyl alcohol (TBA)	ND	2.0	1	12/29/2016 17:45
n-Butyl benzene	ND	0.50	1	12/29/2016 17:45
sec-Butyl benzene	ND	0.50	1	12/29/2016 17:45
tert-Butyl benzene	ND	0.50	1	12/29/2016 17:45
Carbon Disulfide	ND	0.50	1	12/29/2016 17:45
Carbon Tetrachloride	ND	0.50	1	12/29/2016 17:45
Chlorobenzene	ND	0.50	1	12/29/2016 17:45
Chloroethane	ND	0.50	1	12/29/2016 17:45
Chloroform	**1.6**	0.50	1	12/29/2016 17:45
Chloromethane	ND	0.50	1	12/29/2016 17:45
2-Chlorotoluene	ND	0.50	1	12/29/2016 17:45
4-Chlorotoluene	ND	0.50	1	12/29/2016 17:45
Dibromochloromethane	ND	0.50	1	12/29/2016 17:45
1,2-Dibromo-3-chloropropane	ND	0.20	1	12/29/2016 17:45
1,2-Dibromoethane (EDB)	ND	0.50	1	12/29/2016 17:45
Dibromomethane	ND	0.50	1	12/29/2016 17:45
1,2-Dichlorobenzene	ND	0.50	1	12/29/2016 17:45
1,3-Dichlorobenzene	ND	0.50	1	12/29/2016 17:45
1,4-Dichlorobenzene	ND	0.50	1	12/29/2016 17:45
Dichlorodifluoromethane	ND	0.50	1	12/29/2016 17:45
1,1-Dichloroethane	ND	0.50	1	12/29/2016 17:45
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	12/29/2016 17:45
1,1-Dichloroethene	ND	0.50	1	12/29/2016 17:45
cis-1,2-Dichloroethene	ND	0.50	1	12/29/2016 17:45
trans-1,2-Dichloroethene	ND	0.50	1	12/29/2016 17:45
1,2-Dichloropropane	ND	0.50	1	12/29/2016 17:45
1,3-Dichloropropane	ND	0.50	1	12/29/2016 17:45
2,2-Dichloropropane	ND	0.50	1	12/29/2016 17:45

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612D25
Date Received:	12/27/16 10:42	**Extraction Method:**	SW5030B
Date Prepared:	12/29/16-12/31/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT4-66-70W	1612D25-002A	Water	12/22/2016 11:25	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	12/29/2016 17:45
cis-1,3-Dichloropropene	ND	0.50	1	12/29/2016 17:45
trans-1,3-Dichloropropene	ND	0.50	1	12/29/2016 17:45
Diisopropyl ether (DIPE)	ND	0.50	1	12/29/2016 17:45
Ethylbenzene	ND	0.50	1	12/29/2016 17:45
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	12/29/2016 17:45
Freon 113	ND	0.50	1	12/29/2016 17:45
Hexachlorobutadiene	ND	0.50	1	12/29/2016 17:45
Hexachloroethane	ND	0.50	1	12/29/2016 17:45
2-Hexanone	ND	0.50	1	12/29/2016 17:45
Isopropylbenzene	ND	0.50	1	12/29/2016 17:45
4-Isopropyl toluene	ND	0.50	1	12/29/2016 17:45
Methyl-t-butyl ether (MTBE)	ND	0.50	1	12/29/2016 17:45
Methylene chloride	ND	0.50	1	12/29/2016 17:45
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	12/29/2016 17:45
Naphthalene	ND	0.50	1	12/29/2016 17:45
n-Propyl benzene	ND	0.50	1	12/29/2016 17:45
Styrene	ND	0.50	1	12/29/2016 17:45
1,1,1,2-Tetrachloroethane	ND	0.50	1	12/29/2016 17:45
1,1,2,2-Tetrachloroethane	ND	0.50	1	12/29/2016 17:45
Tetrachloroethene	ND	0.50	1	12/29/2016 17:45
Toluene	ND	0.50	1	12/29/2016 17:45
1,2,3-Trichlorobenzene	ND	0.50	1	12/29/2016 17:45
1,2,4-Trichlorobenzene	ND	0.50	1	12/29/2016 17:45
1,1,1-Trichloroethane	ND	0.50	1	12/29/2016 17:45
1,1,2-Trichloroethane	ND	0.50	1	12/29/2016 17:45
Trichloroethene	ND	0.50	1	12/29/2016 17:45
Trichlorofluoromethane	ND	0.50	1	12/29/2016 17:45
1,2,3-Trichloropropane	ND	0.50	1	12/29/2016 17:45
1,2,4-Trimethylbenzene	ND	0.50	1	12/29/2016 17:45
1,3,5-Trimethylbenzene	ND	0.50	1	12/29/2016 17:45
Vinyl Chloride	ND	0.50	1	12/29/2016 17:45
Xylenes, Total	ND	0.50	1	12/29/2016 17:45

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612D25
Date Received:	12/27/16 10:42	**Extraction Method:**	SW5030B
Date Prepared:	12/29/16-12/31/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT4-66-70W	**1612D25-002A**	**Water**	**12/22/2016 11:25**	**GC18**	**131981**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	103	70-130		12/29/2016 17:45
Toluene-d8	101	70-130		12/29/2016 17:45
4-BFB	91	70-130		12/29/2016 17:45

Analyst(s): HK

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612D25
Date Received:	12/27/16 10:42	**Extraction Method:**	SW5030B
Date Prepared:	12/29/16-12/31/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT5-47-57W	1612D25-003A	Water	12/22/2016 09:55	GC18	132061

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	12/31/2016 02:46
tert-Amyl methyl ether (TAME)	ND	0.50	1	12/31/2016 02:46
Benzene	**1.3**	0.50	1	12/31/2016 02:46
Bromobenzene	ND	0.50	1	12/31/2016 02:46
Bromochloromethane	ND	0.50	1	12/31/2016 02:46
Bromodichloromethane	ND	0.50	1	12/31/2016 02:46
Bromoform	ND	0.50	1	12/31/2016 02:46
Bromomethane	ND	0.50	1	12/31/2016 02:46
2-Butanone (MEK)	ND	2.0	1	12/31/2016 02:46
t-Butyl alcohol (TBA)	ND	2.0	1	12/31/2016 02:46
n-Butyl benzene	ND	0.50	1	12/31/2016 02:46
sec-Butyl benzene	ND	0.50	1	12/31/2016 02:46
tert-Butyl benzene	ND	0.50	1	12/31/2016 02:46
Carbon Disulfide	ND	0.50	1	12/31/2016 02:46
Carbon Tetrachloride	ND	0.50	1	12/31/2016 02:46
Chlorobenzene	ND	0.50	1	12/31/2016 02:46
Chloroethane	ND	0.50	1	12/31/2016 02:46
Chloroform	**14**	0.50	1	12/31/2016 02:46
Chloromethane	ND	0.50	1	12/31/2016 02:46
2-Chlorotoluene	ND	0.50	1	12/31/2016 02:46
4-Chlorotoluene	ND	0.50	1	12/31/2016 02:46
Dibromochloromethane	ND	0.50	1	12/31/2016 02:46
1,2-Dibromo-3-chloropropane	ND	0.20	1	12/31/2016 02:46
1,2-Dibromoethane (EDB)	ND	0.50	1	12/31/2016 02:46
Dibromomethane	ND	0.50	1	12/31/2016 02:46
1,2-Dichlorobenzene	ND	0.50	1	12/31/2016 02:46
1,3-Dichlorobenzene	ND	0.50	1	12/31/2016 02:46
1,4-Dichlorobenzene	ND	0.50	1	12/31/2016 02:46
Dichlorodifluoromethane	ND	0.50	1	12/31/2016 02:46
1,1-Dichloroethane	ND	0.50	1	12/31/2016 02:46
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	12/31/2016 02:46
1,1-Dichloroethene	ND	0.50	1	12/31/2016 02:46
cis-1,2-Dichloroethene	ND	0.50	1	12/31/2016 02:46
trans-1,2-Dichloroethene	ND	0.50	1	12/31/2016 02:46
1,2-Dichloropropane	ND	0.50	1	12/31/2016 02:46
1,3-Dichloropropane	ND	0.50	1	12/31/2016 02:46
2,2-Dichloropropane	ND	0.50	1	12/31/2016 02:46

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612D25
Date Received:	12/27/16 10:42	**Extraction Method:**	SW5030B
Date Prepared:	12/29/16-12/31/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT5-47-57W	1612D25-003A	Water	12/22/2016 09:55	GC18	132061

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	12/31/2016 02:46
cis-1,3-Dichloropropene	ND	0.50	1	12/31/2016 02:46
trans-1,3-Dichloropropene	ND	0.50	1	12/31/2016 02:46
Diisopropyl ether (DIPE)	ND	0.50	1	12/31/2016 02:46
Ethylbenzene	ND	0.50	1	12/31/2016 02:46
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	12/31/2016 02:46
Freon 113	ND	0.50	1	12/31/2016 02:46
Hexachlorobutadiene	ND	0.50	1	12/31/2016 02:46
Hexachloroethane	ND	0.50	1	12/31/2016 02:46
2-Hexanone	ND	0.50	1	12/31/2016 02:46
Isopropylbenzene	ND	0.50	1	12/31/2016 02:46
4-Isopropyl toluene	ND	0.50	1	12/31/2016 02:46
Methyl-t-butyl ether (MTBE)	ND	0.50	1	12/31/2016 02:46
Methylene chloride	ND	0.50	1	12/31/2016 02:46
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	12/31/2016 02:46
Naphthalene	ND	0.50	1	12/31/2016 02:46
n-Propyl benzene	ND	0.50	1	12/31/2016 02:46
Styrene	ND	0.50	1	12/31/2016 02:46
1,1,1,2-Tetrachloroethane	ND	0.50	1	12/31/2016 02:46
1,1,2,2-Tetrachloroethane	ND	0.50	1	12/31/2016 02:46
Tetrachloroethene	ND	0.50	1	12/31/2016 02:46
Toluene	ND	0.50	1	12/31/2016 02:46
1,2,3-Trichlorobenzene	ND	0.50	1	12/31/2016 02:46
1,2,4-Trichlorobenzene	ND	0.50	1	12/31/2016 02:46
1,1,1-Trichloroethane	ND	0.50	1	12/31/2016 02:46
1,1,2-Trichloroethane	ND	0.50	1	12/31/2016 02:46
Trichloroethene	ND	0.50	1	12/31/2016 02:46
Trichlorofluoromethane	ND	0.50	1	12/31/2016 02:46
1,2,3-Trichloropropane	ND	0.50	1	12/31/2016 02:46
1,2,4-Trimethylbenzene	ND	0.50	1	12/31/2016 02:46
1,3,5-Trimethylbenzene	ND	0.50	1	12/31/2016 02:46
Vinyl Chloride	ND	0.50	1	12/31/2016 02:46
Xylenes, Total	ND	0.50	1	12/31/2016 02:46

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612D25
Date Received:	12/27/16 10:42	**Extraction Method:**	SW5030B
Date Prepared:	12/29/16-12/31/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT5-47-57W	**1612D25-003A**	**Water**	**12/22/2016 09:55**	**GC18**	**132061**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	105	70-130		12/31/2016 02:46
Toluene-d8	98	70-130		12/31/2016 02:46
4-BFB	84	70-130		12/31/2016 02:46

Analyst(s): HK

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612D25
Date Prepared:	12/29/16	**BatchID:**	131981
Date Analyzed:	12/29/16	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-131981 1612D32-001CMS/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	10.2	0.50	10	-	102	54-140
Benzene	ND	11.5	0.50	10	-	115	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	42.2	2.0	40	-	105	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	9.84	0.50	10	-	98	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	9.98	0.50	10	-	100	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	10.8	0.50	10	-	109	66-125
1,1-Dichloroethene	ND	10.9	0.50	10	-	109	47-149
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	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612D25
Date Prepared:	12/29/16	**BatchID:**	131981
Date Analyzed:	12/29/16	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-131981 1612D32-001CMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	11.5	0.50	10	-	115	57-136
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	11.1	0.50	10	-	111	55-137
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	11.2	0.50	10	-	112	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	10.6	0.50	10	-	106	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	10.2	0.50	10	-	102	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	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612D25
Date Prepared:	12/29/16	**BatchID:**	131981
Date Analyzed:	12/29/16	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-131981 1612D32-001CMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	25.6	26.2		25	102	105	70-130
Toluene-d8	25.4	25.5		25	102	102	70-130
4-BFB	2.18	2.20		2.5	87	88	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	8.56	8.51	10	ND	86	85	69-139	0.638	20
Benzene	9.77	9.49	10	ND	98	95	69-141	2.89	20
t-Butyl alcohol (TBA)	33.4	34.2	40	ND	83	86	41-152	2.51	20
Chlorobenzene	8.82	8.65	10	ND	88	86	77-120	2.03	20
1,2-Dibromoethane (EDB)	8.66	8.52	10	ND	87	85	76-135	1.65	20
1,2-Dichloroethane (1,2-DCA)	9.27	9.08	10	ND	93	91	73-139	2.07	20
1,1-Dichloroethene	8.98	8.91	10	ND	90	89	59-140	0.721	20
Diisopropyl ether (DIPE)	9.81	9.44	10	ND	98	94	72-140	3.90	20
Ethyl tert-butyl ether (ETBE)	9.40	9.18	10	ND	94	92	71-140	2.31	20
Methyl-t-butyl ether (MTBE)	9.43	9.36	10	ND	94	94	73-139	0	20
Toluene	9.26	8.97	10	ND	93	90	71-128	3.27	20
Trichloroethene	8.68	8.49	10	ND	87	85	64-132	2.21	20
Surrogate Recovery									
Dibromofluoromethane	26.2	26.2	25		105	105	73-131	0	20
Toluene-d8	25.4	25.1	25		102	100	72-117	1.27	20
4-BFB	2.16	2.25	2.5		86	90	74-116	4.14	20

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612D25
Date Prepared:	12/30/16	**BatchID:**	132061
Date Analyzed:	12/30/16	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB-132061

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	-	0.50	-	-	-	-
Benzene	ND	-	0.50	-	-	-	-
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	-	2.0	-	-	-	-
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	-	0.50	-	-	-	-
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	-	0.50	-	-	-	-
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	-	0.50	-	-	-	-
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	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612D25
Date Prepared:	12/30/16	**BatchID:**	132061
Date Analyzed:	12/30/16	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB-132061

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	-	0.50	-	-	-	-
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	-	0.50	-	-	-	-
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	-	0.50	-	-	-	-
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	-	0.50	-	-	-	-
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	-	0.50	-	-	-	-
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	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612D25
Date Prepared:	12/30/16	**BatchID:**	132061
Date Analyzed:	12/30/16	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB-132061

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	25.5	-		25	102	-	-
Toluene-d8	25.3	-		25	101	-	-
4-BFB	2.19	-		2.5	88	-	-

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1612D25 **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
ap@advgeoenv.com

Requested TAT: **5 days;**

Date Received: **12/27/2016**
Date Logged: **12/27/2016**

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
1612D25-001	CPT4-47-57W	Water	12/22/2016 10:25	☐	A											
1612D25-002	CPT4-66-70W	Water	12/22/2016 11:25	☐	A											
1612D25-003	CPT5-47-57W	Water	12/22/2016 09:55	☐	A											

Test Legend:

1	8260B_W	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Alexandra Iniguez

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.

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

WORK ORDER SUMMARY

Client Name: ADVANCED GEOENVIRONMENTAL, INC. **Project:** Swiss Valley Cleaners **Work Order:** 1612D25
Client Contact: Daniel Villanueva **QC Level:** LEVEL 2
Contact's Email: dvillanueva@advgeoenv.com **Comments:** **Date Logged:** 12/27/2016

☐ 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
1612D25-001A	CPT4-47-57W	Water	SW8260B (VOCs)	4	VOA w/ HCl	☐	12/22/2016 10:25	5 days		☐	
1612D25-002A	CPT4-66-70W	Water	SW8260B (VOCs)	4	VOA w/ HCl	☐	12/22/2016 11:25	5 days		☐	
1612D25-003A	CPT5-47-57W	Water	SW8260B (VOCs)	4	VOA w/ HCl	☐	12/22/2016 9:55	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.

1612D25

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: 12-22-16 Page 1 of 1

Project Name: Swiss Valley Cleaners
Project Manager: Daniel Villanueva
Client:
Sampler (initials & signature): RMT
Invoice to: [X] AGE [ ] Client
Lab Project No.:

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs - 8260
CPT4-47-57W	12-22-16	1025	W	4		X
CPT4-66-70W	12-22-16	1125	W	4		X
CPT5-47-57W	12-23-16	0955	W	4		X

Relinquished by: RMT	Date: 12-27-16	Time: 1042	Laboratory: McCampbell Laboratories	
Courier:			Received by:	Date: 12/27 Time: 1042
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.

RMT

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.**
Project Name: **Swiss Valley Cleaners**

WorkOrder №: **1612D25** Matrix: Water
Carrier: Client Drop-In

Date and Time Received: **12/27/2016 10:42**
Date Logged: **12/27/2016**
Received by: Agustina Venegas
Logged by: Alexandra Iniguez

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	☐	NA ☐
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 ☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1612E04

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: 12/29/2016

Analytical Report reviewed & approved for release on 01/05/2017 by:

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: 1612E04

Glossary Abbreviation

%D	Serial Dilution Percent Difference
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)
DLT	Dilution Test (Serial Dilution)
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.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
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
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

b1	aqueous sample that contains greater than ~1 vol. % sediment

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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E04
Date Received:	12/29/16 11:30	**Extraction Method:**	SW5030B
Date Prepared:	12/30/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT7-47-57W	1612E04-001A	Water	12/28/2016 11:15	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	12/30/2016 04:22
tert-Amyl methyl ether (TAME)	ND	0.50	1	12/30/2016 04:22
Benzene	ND	0.50	1	12/30/2016 04:22
Bromobenzene	ND	0.50	1	12/30/2016 04:22
Bromochloromethane	ND	0.50	1	12/30/2016 04:22
Bromodichloromethane	ND	0.50	1	12/30/2016 04:22
Bromoform	ND	0.50	1	12/30/2016 04:22
Bromomethane	ND	0.50	1	12/30/2016 04:22
2-Butanone (MEK)	ND	2.0	1	12/30/2016 04:22
t-Butyl alcohol (TBA)	ND	2.0	1	12/30/2016 04:22
n-Butyl benzene	ND	0.50	1	12/30/2016 04:22
sec-Butyl benzene	ND	0.50	1	12/30/2016 04:22
tert-Butyl benzene	ND	0.50	1	12/30/2016 04:22
Carbon Disulfide	ND	0.50	1	12/30/2016 04:22
Carbon Tetrachloride	ND	0.50	1	12/30/2016 04:22
Chlorobenzene	ND	0.50	1	12/30/2016 04:22
Chloroethane	ND	0.50	1	12/30/2016 04:22
Chloroform	**7.0**	0.50	1	12/30/2016 04:22
Chloromethane	ND	0.50	1	12/30/2016 04:22
2-Chlorotoluene	ND	0.50	1	12/30/2016 04:22
4-Chlorotoluene	ND	0.50	1	12/30/2016 04:22
Dibromochloromethane	ND	0.50	1	12/30/2016 04:22
1,2-Dibromo-3-chloropropane	ND	0.20	1	12/30/2016 04:22
1,2-Dibromoethane (EDB)	ND	0.50	1	12/30/2016 04:22
Dibromomethane	ND	0.50	1	12/30/2016 04:22
1,2-Dichlorobenzene	ND	0.50	1	12/30/2016 04:22
1,3-Dichlorobenzene	ND	0.50	1	12/30/2016 04:22
1,4-Dichlorobenzene	ND	0.50	1	12/30/2016 04:22
Dichlorodifluoromethane	ND	0.50	1	12/30/2016 04:22
1,1-Dichloroethane	ND	0.50	1	12/30/2016 04:22
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	12/30/2016 04:22
1,1-Dichloroethene	ND	0.50	1	12/30/2016 04:22
cis-1,2-Dichloroethene	ND	0.50	1	12/30/2016 04:22
trans-1,2-Dichloroethene	ND	0.50	1	12/30/2016 04:22
1,2-Dichloropropane	ND	0.50	1	12/30/2016 04:22
1,3-Dichloropropane	ND	0.50	1	12/30/2016 04:22
2,2-Dichloropropane	ND	0.50	1	12/30/2016 04:22

(Cont.)

NELAP 4033ORELAP


Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E04
Date Received:	12/29/16 11:30	**Extraction Method:**	SW5030B
Date Prepared:	12/30/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT7-47-57W	1612E04-001A	Water	12/28/2016 11:15	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	12/30/2016 04:22
cis-1,3-Dichloropropene	ND	0.50	1	12/30/2016 04:22
trans-1,3-Dichloropropene	ND	0.50	1	12/30/2016 04:22
Diisopropyl ether (DIPE)	ND	0.50	1	12/30/2016 04:22
Ethylbenzene	ND	0.50	1	12/30/2016 04:22
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	12/30/2016 04:22
Freon 113	ND	0.50	1	12/30/2016 04:22
Hexachlorobutadiene	ND	0.50	1	12/30/2016 04:22
Hexachloroethane	ND	0.50	1	12/30/2016 04:22
2-Hexanone	ND	0.50	1	12/30/2016 04:22
Isopropylbenzene	ND	0.50	1	12/30/2016 04:22
4-Isopropyl toluene	ND	0.50	1	12/30/2016 04:22
Methyl-t-butyl ether (MTBE)	ND	0.50	1	12/30/2016 04:22
Methylene chloride	ND	0.50	1	12/30/2016 04:22
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	12/30/2016 04:22
Naphthalene	ND	0.50	1	12/30/2016 04:22
n-Propyl benzene	ND	0.50	1	12/30/2016 04:22
Styrene	ND	0.50	1	12/30/2016 04:22
1,1,1,2-Tetrachloroethane	ND	0.50	1	12/30/2016 04:22
1,1,2,2-Tetrachloroethane	ND	0.50	1	12/30/2016 04:22
Tetrachloroethene	ND	0.50	1	12/30/2016 04:22
Toluene	ND	0.50	1	12/30/2016 04:22
1,2,3-Trichlorobenzene	ND	0.50	1	12/30/2016 04:22
1,2,4-Trichlorobenzene	ND	0.50	1	12/30/2016 04:22
1,1,1-Trichloroethane	ND	0.50	1	12/30/2016 04:22
1,1,2-Trichloroethane	ND	0.50	1	12/30/2016 04:22
Trichloroethene	ND	0.50	1	12/30/2016 04:22
Trichlorofluoromethane	ND	0.50	1	12/30/2016 04:22
1,2,3-Trichloropropane	ND	0.50	1	12/30/2016 04:22
1,2,4-Trimethylbenzene	ND	0.50	1	12/30/2016 04:22
1,3,5-Trimethylbenzene	ND	0.50	1	12/30/2016 04:22
Vinyl Chloride	ND	0.50	1	12/30/2016 04:22
Xylenes, Total	ND	0.50	1	12/30/2016 04:22

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E04
Date Received:	12/29/16 11:30	**Extraction Method:**	SW5030B
Date Prepared:	12/30/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT7-47-57W	1612E04-001A	Water	12/28/2016 11:15	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	105	70-130		12/30/2016 04:22
Toluene-d8	100	70-130		12/30/2016 04:22
4-BFB	84	70-130		12/30/2016 04:22

Analyst(s): HK Analytical Comments: b1

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E04
Date Received:	12/29/16 11:30	**Extraction Method:**	SW5030B
Date Prepared:	12/30/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT7-76-86-W	1612E04-002A	Water	12/28/2016 12:45	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	12/30/2016 05:01
tert-Amyl methyl ether (TAME)	ND	0.50	1	12/30/2016 05:01
Benzene	ND	0.50	1	12/30/2016 05:01
Bromobenzene	ND	0.50	1	12/30/2016 05:01
Bromochloromethane	ND	0.50	1	12/30/2016 05:01
Bromodichloromethane	ND	0.50	1	12/30/2016 05:01
Bromoform	ND	0.50	1	12/30/2016 05:01
Bromomethane	ND	0.50	1	12/30/2016 05:01
2-Butanone (MEK)	ND	2.0	1	12/30/2016 05:01
t-Butyl alcohol (TBA)	ND	2.0	1	12/30/2016 05:01
n-Butyl benzene	ND	0.50	1	12/30/2016 05:01
sec-Butyl benzene	ND	0.50	1	12/30/2016 05:01
tert-Butyl benzene	ND	0.50	1	12/30/2016 05:01
Carbon Disulfide	ND	0.50	1	12/30/2016 05:01
Carbon Tetrachloride	ND	0.50	1	12/30/2016 05:01
Chlorobenzene	ND	0.50	1	12/30/2016 05:01
Chloroethane	ND	0.50	1	12/30/2016 05:01
Chloroform	ND	0.50	1	12/30/2016 05:01
Chloromethane	ND	0.50	1	12/30/2016 05:01
2-Chlorotoluene	ND	0.50	1	12/30/2016 05:01
4-Chlorotoluene	ND	0.50	1	12/30/2016 05:01
Dibromochloromethane	ND	0.50	1	12/30/2016 05:01
1,2-Dibromo-3-chloropropane	ND	0.20	1	12/30/2016 05:01
1,2-Dibromoethane (EDB)	ND	0.50	1	12/30/2016 05:01
Dibromomethane	ND	0.50	1	12/30/2016 05:01
1,2-Dichlorobenzene	ND	0.50	1	12/30/2016 05:01
1,3-Dichlorobenzene	ND	0.50	1	12/30/2016 05:01
1,4-Dichlorobenzene	ND	0.50	1	12/30/2016 05:01
Dichlorodifluoromethane	ND	0.50	1	12/30/2016 05:01
1,1-Dichloroethane	ND	0.50	1	12/30/2016 05:01
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	12/30/2016 05:01
1,1-Dichloroethene	ND	0.50	1	12/30/2016 05:01
cis-1,2-Dichloroethene	ND	0.50	1	12/30/2016 05:01
trans-1,2-Dichloroethene	ND	0.50	1	12/30/2016 05:01
1,2-Dichloropropane	ND	0.50	1	12/30/2016 05:01
1,3-Dichloropropane	ND	0.50	1	12/30/2016 05:01
2,2-Dichloropropane	ND	0.50	1	12/30/2016 05:01

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E04
Date Received:	12/29/16 11:30	**Extraction Method:**	SW5030B
Date Prepared:	12/30/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT7-76-86-W	1612E04-002A	Water	12/28/2016 12:45	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	12/30/2016 05:01
cis-1,3-Dichloropropene	ND	0.50	1	12/30/2016 05:01
trans-1,3-Dichloropropene	ND	0.50	1	12/30/2016 05:01
Diisopropyl ether (DIPE)	ND	0.50	1	12/30/2016 05:01
Ethylbenzene	ND	0.50	1	12/30/2016 05:01
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	12/30/2016 05:01
Freon 113	ND	0.50	1	12/30/2016 05:01
Hexachlorobutadiene	ND	0.50	1	12/30/2016 05:01
Hexachloroethane	ND	0.50	1	12/30/2016 05:01
2-Hexanone	ND	0.50	1	12/30/2016 05:01
Isopropylbenzene	ND	0.50	1	12/30/2016 05:01
4-Isopropyl toluene	ND	0.50	1	12/30/2016 05:01
Methyl-t-butyl ether (MTBE)	ND	0.50	1	12/30/2016 05:01
Methylene chloride	ND	0.50	1	12/30/2016 05:01
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	12/30/2016 05:01
Naphthalene	ND	0.50	1	12/30/2016 05:01
n-Propyl benzene	ND	0.50	1	12/30/2016 05:01
Styrene	ND	0.50	1	12/30/2016 05:01
1,1,1,2-Tetrachloroethane	ND	0.50	1	12/30/2016 05:01
1,1,2,2-Tetrachloroethane	ND	0.50	1	12/30/2016 05:01
Tetrachloroethene	ND	0.50	1	12/30/2016 05:01
Toluene	ND	0.50	1	12/30/2016 05:01
1,2,3-Trichlorobenzene	ND	0.50	1	12/30/2016 05:01
1,2,4-Trichlorobenzene	ND	0.50	1	12/30/2016 05:01
1,1,1-Trichloroethane	ND	0.50	1	12/30/2016 05:01
1,1,2-Trichloroethane	ND	0.50	1	12/30/2016 05:01
Trichloroethene	ND	0.50	1	12/30/2016 05:01
Trichlorofluoromethane	ND	0.50	1	12/30/2016 05:01
1,2,3-Trichloropropane	ND	0.50	1	12/30/2016 05:01
1,2,4-Trimethylbenzene	ND	0.50	1	12/30/2016 05:01
1,3,5-Trimethylbenzene	ND	0.50	1	12/30/2016 05:01
Vinyl Chloride	ND	0.50	1	12/30/2016 05:01
Xylenes, Total	ND	0.50	1	12/30/2016 05:01

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E04
Date Received:	12/29/16 11:30	**Extraction Method:**	SW5030B
Date Prepared:	12/30/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT7-76-86-W	1612E04-002A	Water	12/28/2016 12:45	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	105	70-130		12/30/2016 05:01
Toluene-d8	99	70-130		12/30/2016 05:01
4-BFB	86	70-130		12/30/2016 05:01

Analyst(s): HK

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E04
Date Prepared:	12/29/16	**BatchID:**	131981
Date Analyzed:	12/29/16	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-131981 1612D32-001CMS/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	10.2	0.50	10	-	102	54-140
Benzene	ND	11.5	0.50	10	-	115	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	42.2	2.0	40	-	105	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	9.84	0.50	10	-	98	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	9.98	0.50	10	-	100	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	10.8	0.50	10	-	109	66-125
1,1-Dichloroethene	ND	10.9	0.50	10	-	109	47-149
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	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E04
Date Prepared:	12/29/16	**BatchID:**	131981
Date Analyzed:	12/29/16	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-131981 1612D32-001CMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	11.5	0.50	10	-	115	57-136
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	11.1	0.50	10	-	111	55-137
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	11.2	0.50	10	-	112	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	10.6	0.50	10	-	106	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	10.2	0.50	10	-	102	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	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E04
Date Prepared:	12/29/16	**BatchID:**	131981
Date Analyzed:	12/29/16	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-131981 1612D32-001CMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	25.6	26.2		25	102	105	70-130
Toluene-d8	25.4	25.5		25	102	102	70-130
4-BFB	2.18	2.20		2.5	87	88	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	8.56	8.51	10	ND	86	85	69-139	0.638	20
Benzene	9.77	9.49	10	ND	98	95	69-141	2.89	20
t-Butyl alcohol (TBA)	33.4	34.2	40	ND	83	86	41-152	2.51	20
Chlorobenzene	8.82	8.65	10	ND	88	86	77-120	2.03	20
1,2-Dibromoethane (EDB)	8.66	8.52	10	ND	87	85	76-135	1.65	20
1,2-Dichloroethane (1,2-DCA)	9.27	9.08	10	ND	93	91	73-139	2.07	20
1,1-Dichloroethene	8.98	8.91	10	ND	90	89	59-140	0.721	20
Diisopropyl ether (DIPE)	9.81	9.44	10	ND	98	94	72-140	3.90	20
Ethyl tert-butyl ether (ETBE)	9.40	9.18	10	ND	94	92	71-140	2.31	20
Methyl-t-butyl ether (MTBE)	9.43	9.36	10	ND	94	94	73-139	0	20
Toluene	9.26	8.97	10	ND	93	90	71-128	3.27	20
Trichloroethene	8.68	8.49	10	ND	87	85	64-132	2.21	20
Surrogate Recovery									
Dibromofluoromethane	26.2	26.2	25		105	105	73-131	0	20
Toluene-d8	25.4	25.1	25		102	100	72-117	1.27	20
4-BFB	2.16	2.25	2.5		86	90	74-116	4.14	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1612E04 **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
ap@advgeoenv.com

Requested TAT: **5 days;**

Date Received: **12/29/2016**
Date Logged: **12/29/2016**

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
1612E04-001	CPT7-47-57W	Water	12/28/2016 11:15	☐	A											
1612E04-002	CPT7-76-86-W	Water	12/28/2016 12:45	☐	A											

Test Legend:

1	8260B_W	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Agustina 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.

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

WORK ORDER SUMMARY

Client Name: ADVANCED GEOENVIRONMENTAL, INC. **Project:** Swiss Valley Cleaners **Work Order:** 1612E04
Client Contact: Daniel Villanueva **QC Level:** LEVEL 2
Contact's Email: dvillanueva@advgeoenv.com **Comments:** **Date Logged:** 12/29/2016

☐ 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
1612E04-001A	CPT7-47-57W	Water	SW8260B (VOCs)	4	VOA w/ HCl	☐	12/28/2016 11:15	5 days	30%+	☐	
1612E04-002A	CPT7-76-86-W	Water	SW8260B (VOCs)	4	VOA w/ HCl	☐	12/28/2016 12:45	5 days	Present	☐	

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.

1612E04

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: 12/28/16 Page 1 of 1

Project Name: Swiss Valley Cleaners
Project Manager: Daniel Villeneuva
Client:
Sampler (initials & signature): ECR
Invoice to: [x] AGE [ ] Client
Lab Project No.:

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs 8260
CPT7-47-57W	12/28/16	1115	W	4		X
CPT7-76-86W	12/28/16	1245	W	4		X

Relinquished by:	Date: 12/28/16	Time: 1700	Laboratory: McCampbell Laboratories		
Courier: Delivered			Received by:	Date: 12/29	Time: 1130
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.

$.2

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.**
Project Name: **Swiss Valley Cleaners**

WorkOrder №: **1612E04** Matrix: Water
Carrier: Client Drop-In

Date and Time Received: **12/29/2016 11:30**
Date Logged: **12/29/2016**
Received by: Agustina Venegas
Logged by: Agustina Venegas

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 ☐	NA ☐
Sample/Temp Blank temperature	Temp: 8.2°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 ☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1612E05

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: 12/29/2016

Analytical Report reviewed & approved for release on 01/05/2017 by:

Angela Rydelius,
Laboratory Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033ORELAP

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: 1612E05

Glossary Abbreviation

%D	Serial Dilution Percent Difference
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)
DLT	Dilution Test (Serial Dilution)
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.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
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
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

b1	aqueous sample that contains greater than ~1 vol. % sediment

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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E05
Date Received:	12/29/16 11:30	**Extraction Method:**	SW5030B
Date Prepared:	12/30/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT 5-83-78W	1612E05-001A	Water	12/27/2016 10:15	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	12/30/2016 03:04
tert-Amyl methyl ether (TAME)	ND	0.50	1	12/30/2016 03:04
Benzene	**0.78**	0.50	1	12/30/2016 03:04
Bromobenzene	ND	0.50	1	12/30/2016 03:04
Bromochloromethane	ND	0.50	1	12/30/2016 03:04
Bromodichloromethane	ND	0.50	1	12/30/2016 03:04
Bromoform	ND	0.50	1	12/30/2016 03:04
Bromomethane	ND	0.50	1	12/30/2016 03:04
2-Butanone (MEK)	ND	2.0	1	12/30/2016 03:04
t-Butyl alcohol (TBA)	ND	2.0	1	12/30/2016 03:04
n-Butyl benzene	ND	0.50	1	12/30/2016 03:04
sec-Butyl benzene	ND	0.50	1	12/30/2016 03:04
tert-Butyl benzene	ND	0.50	1	12/30/2016 03:04
Carbon Disulfide	ND	0.50	1	12/30/2016 03:04
Carbon Tetrachloride	ND	0.50	1	12/30/2016 03:04
Chlorobenzene	ND	0.50	1	12/30/2016 03:04
Chloroethane	ND	0.50	1	12/30/2016 03:04
Chloroform	**11**	0.50	1	12/30/2016 03:04
Chloromethane	ND	0.50	1	12/30/2016 03:04
2-Chlorotoluene	ND	0.50	1	12/30/2016 03:04
4-Chlorotoluene	ND	0.50	1	12/30/2016 03:04
Dibromochloromethane	ND	0.50	1	12/30/2016 03:04
1,2-Dibromo-3-chloropropane	ND	0.20	1	12/30/2016 03:04
1,2-Dibromoethane (EDB)	ND	0.50	1	12/30/2016 03:04
Dibromomethane	ND	0.50	1	12/30/2016 03:04
1,2-Dichlorobenzene	ND	0.50	1	12/30/2016 03:04
1,3-Dichlorobenzene	ND	0.50	1	12/30/2016 03:04
1,4-Dichlorobenzene	ND	0.50	1	12/30/2016 03:04
Dichlorodifluoromethane	ND	0.50	1	12/30/2016 03:04
1,1-Dichloroethane	ND	0.50	1	12/30/2016 03:04
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	12/30/2016 03:04
1,1-Dichloroethene	ND	0.50	1	12/30/2016 03:04
cis-1,2-Dichloroethene	ND	0.50	1	12/30/2016 03:04
trans-1,2-Dichloroethene	ND	0.50	1	12/30/2016 03:04
1,2-Dichloropropane	ND	0.50	1	12/30/2016 03:04
1,3-Dichloropropane	ND	0.50	1	12/30/2016 03:04
2,2-Dichloropropane	ND	0.50	1	12/30/2016 03:04

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E05
Date Received:	12/29/16 11:30	**Extraction Method:**	SW5030B
Date Prepared:	12/30/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT 5-83-78W	1612E05-001A	Water	12/27/2016 10:15	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	12/30/2016 03:04
cis-1,3-Dichloropropene	ND	0.50	1	12/30/2016 03:04
trans-1,3-Dichloropropene	ND	0.50	1	12/30/2016 03:04
Diisopropyl ether (DIPE)	ND	0.50	1	12/30/2016 03:04
Ethylbenzene	ND	0.50	1	12/30/2016 03:04
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	12/30/2016 03:04
Freon 113	ND	0.50	1	12/30/2016 03:04
Hexachlorobutadiene	ND	0.50	1	12/30/2016 03:04
Hexachloroethane	ND	0.50	1	12/30/2016 03:04
2-Hexanone	ND	0.50	1	12/30/2016 03:04
Isopropylbenzene	ND	0.50	1	12/30/2016 03:04
4-Isopropyl toluene	ND	0.50	1	12/30/2016 03:04
Methyl-t-butyl ether (MTBE)	ND	0.50	1	12/30/2016 03:04
Methylene chloride	ND	0.50	1	12/30/2016 03:04
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	12/30/2016 03:04
Naphthalene	ND	0.50	1	12/30/2016 03:04
n-Propyl benzene	ND	0.50	1	12/30/2016 03:04
Styrene	ND	0.50	1	12/30/2016 03:04
1,1,1,2-Tetrachloroethane	ND	0.50	1	12/30/2016 03:04
1,1,2,2-Tetrachloroethane	ND	0.50	1	12/30/2016 03:04
Tetrachloroethene	ND	0.50	1	12/30/2016 03:04
Toluene	ND	0.50	1	12/30/2016 03:04
1,2,3-Trichlorobenzene	ND	0.50	1	12/30/2016 03:04
1,2,4-Trichlorobenzene	ND	0.50	1	12/30/2016 03:04
1,1,1-Trichloroethane	ND	0.50	1	12/30/2016 03:04
1,1,2-Trichloroethane	ND	0.50	1	12/30/2016 03:04
Trichloroethene	ND	0.50	1	12/30/2016 03:04
Trichlorofluoromethane	ND	0.50	1	12/30/2016 03:04
1,2,3-Trichloropropane	ND	0.50	1	12/30/2016 03:04
1,2,4-Trimethylbenzene	ND	0.50	1	12/30/2016 03:04
1,3,5-Trimethylbenzene	ND	0.50	1	12/30/2016 03:04
Vinyl Chloride	ND	0.50	1	12/30/2016 03:04
Xylenes, Total	ND	0.50	1	12/30/2016 03:04

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E05
Date Received:	12/29/16 11:30	**Extraction Method:**	SW5030B
Date Prepared:	12/30/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT 5-83-78W	1612E05-001A	Water	12/27/2016 10:15	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	105	70-130		12/30/2016 03:04
Toluene-d8	99	70-130		12/30/2016 03:04
4-BFB	85	70-130		12/30/2016 03:04

Analyst(s): HK Analytical Comments: b1

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E05
Date Received:	12/29/16 11:30	**Extraction Method:**	SW5030B
Date Prepared:	12/30/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT 6-46-56W	1612E05-002A	Water	12/27/2016 13:15	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	12/30/2016 03:43
tert-Amyl methyl ether (TAME)	ND	0.50	1	12/30/2016 03:43
Benzene	ND	0.50	1	12/30/2016 03:43
Bromobenzene	ND	0.50	1	12/30/2016 03:43
Bromochloromethane	ND	0.50	1	12/30/2016 03:43
Bromodichloromethane	ND	0.50	1	12/30/2016 03:43
Bromoform	ND	0.50	1	12/30/2016 03:43
Bromomethane	ND	0.50	1	12/30/2016 03:43
2-Butanone (MEK)	ND	2.0	1	12/30/2016 03:43
t-Butyl alcohol (TBA)	ND	2.0	1	12/30/2016 03:43
n-Butyl benzene	ND	0.50	1	12/30/2016 03:43
sec-Butyl benzene	ND	0.50	1	12/30/2016 03:43
tert-Butyl benzene	ND	0.50	1	12/30/2016 03:43
Carbon Disulfide	ND	0.50	1	12/30/2016 03:43
Carbon Tetrachloride	ND	0.50	1	12/30/2016 03:43
Chlorobenzene	ND	0.50	1	12/30/2016 03:43
Chloroethane	ND	0.50	1	12/30/2016 03:43
Chloroform	**3.8**	0.50	1	12/30/2016 03:43
Chloromethane	ND	0.50	1	12/30/2016 03:43
2-Chlorotoluene	ND	0.50	1	12/30/2016 03:43
4-Chlorotoluene	ND	0.50	1	12/30/2016 03:43
Dibromochloromethane	ND	0.50	1	12/30/2016 03:43
1,2-Dibromo-3-chloropropane	ND	0.20	1	12/30/2016 03:43
1,2-Dibromoethane (EDB)	ND	0.50	1	12/30/2016 03:43
Dibromomethane	ND	0.50	1	12/30/2016 03:43
1,2-Dichlorobenzene	ND	0.50	1	12/30/2016 03:43
1,3-Dichlorobenzene	ND	0.50	1	12/30/2016 03:43
1,4-Dichlorobenzene	ND	0.50	1	12/30/2016 03:43
Dichlorodifluoromethane	ND	0.50	1	12/30/2016 03:43
1,1-Dichloroethane	ND	0.50	1	12/30/2016 03:43
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	12/30/2016 03:43
1,1-Dichloroethene	ND	0.50	1	12/30/2016 03:43
cis-1,2-Dichloroethene	ND	0.50	1	12/30/2016 03:43
trans-1,2-Dichloroethene	ND	0.50	1	12/30/2016 03:43
1,2-Dichloropropane	ND	0.50	1	12/30/2016 03:43
1,3-Dichloropropane	ND	0.50	1	12/30/2016 03:43
2,2-Dichloropropane	ND	0.50	1	12/30/2016 03:43

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E05
Date Received:	12/29/16 11:30	**Extraction Method:**	SW5030B
Date Prepared:	12/30/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT 6-46-56W	1612E05-002A	Water	12/27/2016 13:15	GC18	131981

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	12/30/2016 03:43
cis-1,3-Dichloropropene	ND	0.50	1	12/30/2016 03:43
trans-1,3-Dichloropropene	ND	0.50	1	12/30/2016 03:43
Diisopropyl ether (DIPE)	ND	0.50	1	12/30/2016 03:43
Ethylbenzene	ND	0.50	1	12/30/2016 03:43
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	12/30/2016 03:43
Freon 113	ND	0.50	1	12/30/2016 03:43
Hexachlorobutadiene	ND	0.50	1	12/30/2016 03:43
Hexachloroethane	ND	0.50	1	12/30/2016 03:43
2-Hexanone	ND	0.50	1	12/30/2016 03:43
Isopropylbenzene	ND	0.50	1	12/30/2016 03:43
4-Isopropyl toluene	ND	0.50	1	12/30/2016 03:43
Methyl-t-butyl ether (MTBE)	ND	0.50	1	12/30/2016 03:43
Methylene chloride	ND	0.50	1	12/30/2016 03:43
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	12/30/2016 03:43
Naphthalene	ND	0.50	1	12/30/2016 03:43
n-Propyl benzene	ND	0.50	1	12/30/2016 03:43
Styrene	ND	0.50	1	12/30/2016 03:43
1,1,1,2-Tetrachloroethane	ND	0.50	1	12/30/2016 03:43
1,1,2,2-Tetrachloroethane	ND	0.50	1	12/30/2016 03:43
Tetrachloroethene	**3.0**	0.50	1	12/30/2016 03:43
Toluene	ND	0.50	1	12/30/2016 03:43
1,2,3-Trichlorobenzene	ND	0.50	1	12/30/2016 03:43
1,2,4-Trichlorobenzene	ND	0.50	1	12/30/2016 03:43
1,1,1-Trichloroethane	ND	0.50	1	12/30/2016 03:43
1,1,2-Trichloroethane	ND	0.50	1	12/30/2016 03:43
Trichloroethene	ND	0.50	1	12/30/2016 03:43
Trichlorofluoromethane	ND	0.50	1	12/30/2016 03:43
1,2,3-Trichloropropane	ND	0.50	1	12/30/2016 03:43
1,2,4-Trimethylbenzene	ND	0.50	1	12/30/2016 03:43
1,3,5-Trimethylbenzene	ND	0.50	1	12/30/2016 03:43
Vinyl Chloride	ND	0.50	1	12/30/2016 03:43
Xylenes, Total	ND	0.50	1	12/30/2016 03:43

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E05
Date Received:	12/29/16 11:30	**Extraction Method:**	SW5030B
Date Prepared:	12/30/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT 6-46-56W	**1612E05-002A**	**Water**	**12/27/2016 13:15**	**GC18**	**131981**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	105	70-130		12/30/2016 03:43
Toluene-d8	100	70-130		12/30/2016 03:43
4-BFB	84	70-130		12/30/2016 03:43

Analyst(s): HK Analytical Comments: b1

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E05
Date Prepared:	12/29/16	**BatchID:**	131981
Date Analyzed:	12/29/16	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-131981 1612D32-001CMS/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	10.2	0.50	10	-	102	54-140
Benzene	ND	11.5	0.50	10	-	115	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	42.2	2.0	40	-	105	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	9.84	0.50	10	-	98	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	9.98	0.50	10	-	100	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	10.8	0.50	10	-	109	66-125
1,1-Dichloroethene	ND	10.9	0.50	10	-	109	47-149
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	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E05
Date Prepared:	12/29/16	**BatchID:**	131981
Date Analyzed:	12/29/16	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-131981 1612D32-001CMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	11.5	0.50	10	-	115	57-136
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	11.1	0.50	10	-	111	55-137
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	11.2	0.50	10	-	112	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	10.6	0.50	10	-	106	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	10.2	0.50	10	-	102	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	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E05
Date Prepared:	12/29/16	**BatchID:**	131981
Date Analyzed:	12/29/16	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-131981 1612D32-001CMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	25.6	26.2		25	102	105	70-130
Toluene-d8	25.4	25.5		25	102	102	70-130
4-BFB	2.18	2.20		2.5	87	88	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	8.56	8.51	10	ND	86	85	69-139	0.638	20
Benzene	9.77	9.49	10	ND	98	95	69-141	2.89	20
t-Butyl alcohol (TBA)	33.4	34.2	40	ND	83	86	41-152	2.51	20
Chlorobenzene	8.82	8.65	10	ND	88	86	77-120	2.03	20
1,2-Dibromoethane (EDB)	8.66	8.52	10	ND	87	85	76-135	1.65	20
1,2-Dichloroethane (1,2-DCA)	9.27	9.08	10	ND	93	91	73-139	2.07	20
1,1-Dichloroethene	8.98	8.91	10	ND	90	89	59-140	0.721	20
Diisopropyl ether (DIPE)	9.81	9.44	10	ND	98	94	72-140	3.90	20
Ethyl tert-butyl ether (ETBE)	9.40	9.18	10	ND	94	92	71-140	2.31	20
Methyl-t-butyl ether (MTBE)	9.43	9.36	10	ND	94	94	73-139	0	20
Toluene	9.26	8.97	10	ND	93	90	71-128	3.27	20
Trichloroethene	8.68	8.49	10	ND	87	85	64-132	2.21	20
Surrogate Recovery									
Dibromofluoromethane	26.2	26.2	25		105	105	73-131	0	20
Toluene-d8	25.4	25.1	25		102	100	72-117	1.27	20
4-BFB	2.16	2.25	2.5		86	90	74-116	4.14	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1612E05 **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
ap@advgeoenv.com

Requested TAT: **5 days;**

Date Received: **12/29/2016**
Date Logged: **12/29/2016**

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
1612E05-001	CPT 5-83-78W	Water	12/27/2016 10:15	☐	A											
1612E05-002	CPT 6-46-56W	Water	12/27/2016 13:15	☐	A											

Test Legend:

1	8260B_W	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Agustina 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.

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

WORK ORDER SUMMARY

Client Name: ADVANCED GEOENVIRONMENTAL, INC. **Project:** Swiss Valley Cleaners **Work Order:** 1612E05
Client Contact: Daniel Villanueva **QC Level:** LEVEL 2
Contact's Email: dvillanueva@advgeoenv.com **Comments:** **Date Logged:** 12/29/2016

☐ 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
1612E05-001A	CPT 5-83-78W	Water	SW8260B (VOCs)	4	VOA w/ HCl	☐	12/27/2016 10:15	5 days	25%+	☐	
1612E05-002A	CPT 6-46-56W	Water	SW8260B (VOCs)	4	VOA w/ HCl	☐	12/27/2016 13:15	5 days	35%+	☐	

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.

16I2E05

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: 12/27/16 Page 1 of 1

Project Name: Swiss Valley Cleaners
Project Manager: Daniel Villanueva
Client:
Sampler (initials & signature): ddl
Invoice to: [x] AGE [ ] Client
Lab Project No.:

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs - 8260
1125 CPT 5-83-78W	12/27/16	1015	W	4		X
1135 CPT 6-46-56W	12/27/16	1315	W	4		X

Relinquished by:	Date: 12/29/16	Time: 1130	Laboratory: McCampbell Laboratories	
Courier: Delivered			Received by:	Date: 12/29 Time: 1130
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.

$.2

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.**
Project Name: **Swiss Valley Cleaners**

WorkOrder №: **1612E05** Matrix: Water
Carrier: Client Drop-In

Date and Time Received: **12/29/2016 11:30**
Date Logged: **12/29/2016**
Received by: Agustina Venegas
Logged by: Agustina Venegas

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 ☐	NA ☐
Sample/Temp Blank temperature	Temp: 8.2°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 ☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1612E51

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: 12/30/2016

Analytical Report reviewed & approved for release on 01/06/2017 by:

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: 1612E51

Glossary Abbreviation

%D	Serial Dilution Percent Difference
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)
DLT	Dilution Test (Serial Dilution)
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.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
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
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

b1	aqueous sample that contains greater than ~1 vol. % sediment

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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E51
Date Received:	12/30/16 11:08	**Extraction Method:**	SW5030B
Date Prepared:	1/3/17	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT6-70-80W	1612E51-001A	Water	12/30/2016 09:20	GC18	132139

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	01/03/2017 21:50
tert-Amyl methyl ether (TAME)	ND	0.50	1	01/03/2017 21:50
Benzene	ND	0.50	1	01/03/2017 21:50
Bromobenzene	ND	0.50	1	01/03/2017 21:50
Bromochloromethane	ND	0.50	1	01/03/2017 21:50
Bromodichloromethane	ND	0.50	1	01/03/2017 21:50
Bromoform	ND	0.50	1	01/03/2017 21:50
Bromomethane	ND	0.50	1	01/03/2017 21:50
2-Butanone (MEK)	ND	2.0	1	01/03/2017 21:50
t-Butyl alcohol (TBA)	ND	2.0	1	01/03/2017 21:50
n-Butyl benzene	ND	0.50	1	01/03/2017 21:50
sec-Butyl benzene	ND	0.50	1	01/03/2017 21:50
tert-Butyl benzene	ND	0.50	1	01/03/2017 21:50
Carbon Disulfide	ND	0.50	1	01/03/2017 21:50
Carbon Tetrachloride	ND	0.50	1	01/03/2017 21:50
Chlorobenzene	ND	0.50	1	01/03/2017 21:50
Chloroethane	ND	0.50	1	01/03/2017 21:50
Chloroform	**1.9**	0.50	1	01/03/2017 21:50
Chloromethane	ND	0.50	1	01/03/2017 21:50
2-Chlorotoluene	ND	0.50	1	01/03/2017 21:50
4-Chlorotoluene	ND	0.50	1	01/03/2017 21:50
Dibromochloromethane	ND	0.50	1	01/03/2017 21:50
1,2-Dibromo-3-chloropropane	ND	0.20	1	01/03/2017 21:50
1,2-Dibromoethane (EDB)	ND	0.50	1	01/03/2017 21:50
Dibromomethane	ND	0.50	1	01/03/2017 21:50
1,2-Dichlorobenzene	ND	0.50	1	01/03/2017 21:50
1,3-Dichlorobenzene	ND	0.50	1	01/03/2017 21:50
1,4-Dichlorobenzene	ND	0.50	1	01/03/2017 21:50
Dichlorodifluoromethane	ND	0.50	1	01/03/2017 21:50
1,1-Dichloroethane	ND	0.50	1	01/03/2017 21:50
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	01/03/2017 21:50
1,1-Dichloroethene	ND	0.50	1	01/03/2017 21:50
cis-1,2-Dichloroethene	ND	0.50	1	01/03/2017 21:50
trans-1,2-Dichloroethene	ND	0.50	1	01/03/2017 21:50
1,2-Dichloropropane	ND	0.50	1	01/03/2017 21:50
1,3-Dichloropropane	ND	0.50	1	01/03/2017 21:50
2,2-Dichloropropane	ND	0.50	1	01/03/2017 21:50

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E51
Date Received:	12/30/16 11:08	**Extraction Method:**	SW5030B
Date Prepared:	1/3/17	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT6-70-80W	1612E51-001A	Water	12/30/2016 09:20	GC18	132139

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	01/03/2017 21:50
cis-1,3-Dichloropropene	ND	0.50	1	01/03/2017 21:50
trans-1,3-Dichloropropene	ND	0.50	1	01/03/2017 21:50
Diisopropyl ether (DIPE)	ND	0.50	1	01/03/2017 21:50
Ethylbenzene	ND	0.50	1	01/03/2017 21:50
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	01/03/2017 21:50
Freon 113	ND	0.50	1	01/03/2017 21:50
Hexachlorobutadiene	ND	0.50	1	01/03/2017 21:50
Hexachloroethane	ND	0.50	1	01/03/2017 21:50
2-Hexanone	ND	0.50	1	01/03/2017 21:50
Isopropylbenzene	ND	0.50	1	01/03/2017 21:50
4-Isopropyl toluene	ND	0.50	1	01/03/2017 21:50
Methyl-t-butyl ether (MTBE)	ND	0.50	1	01/03/2017 21:50
Methylene chloride	ND	0.50	1	01/03/2017 21:50
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	01/03/2017 21:50
Naphthalene	ND	0.50	1	01/03/2017 21:50
n-Propyl benzene	ND	0.50	1	01/03/2017 21:50
Styrene	ND	0.50	1	01/03/2017 21:50
1,1,1,2-Tetrachloroethane	ND	0.50	1	01/03/2017 21:50
1,1,2,2-Tetrachloroethane	ND	0.50	1	01/03/2017 21:50
Tetrachloroethene	**1.7**	0.50	1	01/03/2017 21:50
Toluene	ND	0.50	1	01/03/2017 21:50
1,2,3-Trichlorobenzene	ND	0.50	1	01/03/2017 21:50
1,2,4-Trichlorobenzene	ND	0.50	1	01/03/2017 21:50
1,1,1-Trichloroethane	ND	0.50	1	01/03/2017 21:50
1,1,2-Trichloroethane	ND	0.50	1	01/03/2017 21:50
Trichloroethene	ND	0.50	1	01/03/2017 21:50
Trichlorofluoromethane	ND	0.50	1	01/03/2017 21:50
1,2,3-Trichloropropane	ND	0.50	1	01/03/2017 21:50
1,2,4-Trimethylbenzene	ND	0.50	1	01/03/2017 21:50
1,3,5-Trimethylbenzene	ND	0.50	1	01/03/2017 21:50
Vinyl Chloride	ND	0.50	1	01/03/2017 21:50
Xylenes, Total	ND	0.50	1	01/03/2017 21:50

(Cont.)

NELAP 4033ORELAP


Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E51
Date Received:	12/30/16 11:08	**Extraction Method:**	SW5030B
Date Prepared:	1/3/17	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT6-70-80W	1612E51-001A	Water	12/30/2016 09:20	GC18	132139

Analytes	Result	RL	DF	Date Analyzed
Surrogates	**REC (%)**	**Limits**		
Dibromofluoromethane	105	70-130		01/03/2017 21:50
Toluene-d8	98	70-130		01/03/2017 21:50
4-BFB	91	70-130		01/03/2017 21:50

Analyst(s): HK Analytical Comments: b1

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E51
Date Prepared:	1/3/17	**BatchID:**	132139
Date Analyzed:	1/3/17	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-132139 1612E33-001AMS/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	9.75	0.50	10	-	97	54-140
Benzene	ND	10.9	0.50	10	-	109	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	40.4	2.0	40	-	101	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	9.83	0.50	10	-	98	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	9.77	0.50	10	-	98	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	10.4	0.50	10	-	104	66-125
1,1-Dichloroethene	ND	10.4	0.50	10	-	104	47-149
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	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E51
Date Prepared:	1/3/17	**BatchID:**	132139
Date Analyzed:	1/3/17	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-132139 1612E33-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	11.0	0.50	10	-	110	57-136
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	10.5	0.50	10	-	105	55-137
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	10.5	0.50	10	-	105	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	10.1	0.50	10	-	101	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	9.64	0.50	10	-	96	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	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E51
Date Prepared:	1/3/17	**BatchID:**	132139
Date Analyzed:	1/3/17	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-132139 1612E33-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	26.1	26.3		25	104	105	70-130
Toluene-d8	25.0	24.8		25	100	99	70-130
4-BFB	2.31	2.42		2.5	92	97	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	8.72	9.48	10	ND	87	95	69-139	8.35	20
Benzene	10.5	10.7	10	ND	105	107	69-141	2.33	20
t-Butyl alcohol (TBA)	32.3	33.1	40	ND	81	83	41-152	2.42	20
Chlorobenzene	9.35	9.55	10	ND	94	95	77-120	2.05	20
1,2-Dibromoethane (EDB)	8.85	9.30	10	ND	88	93	76-135	4.99	20
1,2-Dichloroethane (1,2-DCA)	9.74	10.3	10	ND	97	103	73-139	5.22	20
1,1-Dichloroethene	9.37	9.89	10	ND	94	99	59-140	5.39	20
Diisopropyl ether (DIPE)	10.6	11.0	10	ND	106	110	72-140	3.51	20
Ethyl tert-butyl ether (ETBE)	9.78	10.4	10	ND	98	104	71-140	5.97	20
Methyl-t-butyl ether (MTBE)	9.49	10.2	10	ND	95	101	73-139	6.72	20
Toluene	9.75	9.64	10	ND	97	96	71-128	1.15	20
Trichloroethene	9.10	9.44	10	ND	91	94	64-132	3.58	20
Surrogate Recovery									
Dibromofluoromethane	26.5	26.8	25		106	107	73-131	1.03	20
Toluene-d8	25.2	24.1	25		101	96	72-117	4.48	20
4-BFB	2.18	2.44	2.5		87	97	74-116	11.2	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1612E51 **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
ap@advgeoenv.com

Requested TAT: **5 days;**

Date Received: **12/30/2016**
Date Logged: **12/30/2016**

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
1612E51-001	CPT6-70-80W	Water	12/30/2016 09:20	☐	A											

Test Legend:

1	8260B_W	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Agustina 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.

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

WORK ORDER SUMMARY

Client Name: ADVANCED GEOENVIRONMENTAL, INC. **Project:** Swiss Valley Cleaners **Work Order:** 1612E51
Client Contact: Daniel Villanueva **QC Level:** LEVEL 2
Contact's Email: dvillanueva@advgeoenv.com **Comments:** **Date Logged:** 12/30/2016

☐ 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
1612E51-001A	CPT6-70-80W	Water	SW8260B (VOCs)	4	VOA w/ HCl	☐	12/30/2016 9:20	5 days	1%+	☐	

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.

11R12E51

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: 12/30/16 Page 1 of 1

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

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs 8260
#1 CPT6-70-80W	12/30/16	920	W	4		X

Relinquished by:	Date: 12/30/16	Time: 1000	Laboratory: McCampbell Laboratories
Courier: Delivered	12/30/16 1105	Received by:	Date: 12/30/16 Time: 1108
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.**
Project Name: **Swiss Valley Cleaners**

WorkOrder №: **1612E51** Matrix: Water
Carrier: Client Drop-In

Date and Time Received: **12/30/2016 11:08**
Date Logged: **12/30/2016**
Received by: Agustina Venegas
Logged by: Agustina Venegas

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 ☐	NA ☐
Sample/Temp Blank temperature	Temp: 10.1°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 ☑

Comments:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1612E52

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: 12/30/2016

Analytical Report reviewed & approved for release on 01/06/2017 by:

Angela Rydelius,
Laboratory Manager

1534 Willow Pass Rd. Pittsburg, CA 94565 ♦ TEL: (877) 252-9262 ♦ FAX: (925) 252-9269 ♦ www.mccampbell.com
CA ELAP 1644 ♦ NELAP 4033ORELAP

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: 1612E52

Glossary Abbreviation

%D	Serial Dilution Percent Difference
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)
DLT	Dilution Test (Serial Dilution)
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.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
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
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

b1	aqueous sample that contains greater than ~1 vol. % sediment

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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E52
Date Received:	12/30/16 11:08	**Extraction Method:**	SW5030B
Date Prepared:	1/3/17	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT8-47-57-W	1612E52-001A	Water	12/29/2016 10:45	GC18	132139

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	01/03/2017 22:29
tert-Amyl methyl ether (TAME)	ND	0.50	1	01/03/2017 22:29
Benzene	ND	0.50	1	01/03/2017 22:29
Bromobenzene	ND	0.50	1	01/03/2017 22:29
Bromochloromethane	ND	0.50	1	01/03/2017 22:29
Bromodichloromethane	ND	0.50	1	01/03/2017 22:29
Bromoform	ND	0.50	1	01/03/2017 22:29
Bromomethane	ND	0.50	1	01/03/2017 22:29
2-Butanone (MEK)	ND	2.0	1	01/03/2017 22:29
t-Butyl alcohol (TBA)	ND	2.0	1	01/03/2017 22:29
n-Butyl benzene	ND	0.50	1	01/03/2017 22:29
sec-Butyl benzene	ND	0.50	1	01/03/2017 22:29
tert-Butyl benzene	ND	0.50	1	01/03/2017 22:29
Carbon Disulfide	ND	0.50	1	01/03/2017 22:29
Carbon Tetrachloride	ND	0.50	1	01/03/2017 22:29
Chlorobenzene	ND	0.50	1	01/03/2017 22:29
Chloroethane	ND	0.50	1	01/03/2017 22:29
Chloroform	**16**	0.50	1	01/03/2017 22:29
Chloromethane	ND	0.50	1	01/03/2017 22:29
2-Chlorotoluene	ND	0.50	1	01/03/2017 22:29
4-Chlorotoluene	ND	0.50	1	01/03/2017 22:29
Dibromochloromethane	ND	0.50	1	01/03/2017 22:29
1,2-Dibromo-3-chloropropane	ND	0.20	1	01/03/2017 22:29
1,2-Dibromoethane (EDB)	ND	0.50	1	01/03/2017 22:29
Dibromomethane	ND	0.50	1	01/03/2017 22:29
1,2-Dichlorobenzene	ND	0.50	1	01/03/2017 22:29
1,3-Dichlorobenzene	ND	0.50	1	01/03/2017 22:29
1,4-Dichlorobenzene	ND	0.50	1	01/03/2017 22:29
Dichlorodifluoromethane	ND	0.50	1	01/03/2017 22:29
1,1-Dichloroethane	ND	0.50	1	01/03/2017 22:29
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	01/03/2017 22:29
1,1-Dichloroethene	ND	0.50	1	01/03/2017 22:29
cis-1,2-Dichloroethene	ND	0.50	1	01/03/2017 22:29
trans-1,2-Dichloroethene	ND	0.50	1	01/03/2017 22:29
1,2-Dichloropropane	ND	0.50	1	01/03/2017 22:29
1,3-Dichloropropane	ND	0.50	1	01/03/2017 22:29
2,2-Dichloropropane	ND	0.50	1	01/03/2017 22:29

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E52
Date Received:	12/30/16 11:08	**Extraction Method:**	SW5030B
Date Prepared:	1/3/17	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT8-47-57-W	1612E52-001A	Water	12/29/2016 10:45	GC18	132139

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	01/03/2017 22:29
cis-1,3-Dichloropropene	ND	0.50	1	01/03/2017 22:29
trans-1,3-Dichloropropene	ND	0.50	1	01/03/2017 22:29
Diisopropyl ether (DIPE)	ND	0.50	1	01/03/2017 22:29
Ethylbenzene	ND	0.50	1	01/03/2017 22:29
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	01/03/2017 22:29
Freon 113	ND	0.50	1	01/03/2017 22:29
Hexachlorobutadiene	ND	0.50	1	01/03/2017 22:29
Hexachloroethane	ND	0.50	1	01/03/2017 22:29
2-Hexanone	ND	0.50	1	01/03/2017 22:29
Isopropylbenzene	ND	0.50	1	01/03/2017 22:29
4-Isopropyl toluene	ND	0.50	1	01/03/2017 22:29
Methyl-t-butyl ether (MTBE)	ND	0.50	1	01/03/2017 22:29
Methylene chloride	ND	0.50	1	01/03/2017 22:29
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	01/03/2017 22:29
Naphthalene	ND	0.50	1	01/03/2017 22:29
n-Propyl benzene	ND	0.50	1	01/03/2017 22:29
Styrene	ND	0.50	1	01/03/2017 22:29
1,1,1,2-Tetrachloroethane	ND	0.50	1	01/03/2017 22:29
1,1,2,2-Tetrachloroethane	ND	0.50	1	01/03/2017 22:29
Tetrachloroethene	ND	0.50	1	01/03/2017 22:29
Toluene	ND	0.50	1	01/03/2017 22:29
1,2,3-Trichlorobenzene	ND	0.50	1	01/03/2017 22:29
1,2,4-Trichlorobenzene	ND	0.50	1	01/03/2017 22:29
1,1,1-Trichloroethane	ND	0.50	1	01/03/2017 22:29
1,1,2-Trichloroethane	ND	0.50	1	01/03/2017 22:29
Trichloroethene	ND	0.50	1	01/03/2017 22:29
Trichlorofluoromethane	ND	0.50	1	01/03/2017 22:29
1,2,3-Trichloropropane	ND	0.50	1	01/03/2017 22:29
1,2,4-Trimethylbenzene	ND	0.50	1	01/03/2017 22:29
1,3,5-Trimethylbenzene	ND	0.50	1	01/03/2017 22:29
Vinyl Chloride	ND	0.50	1	01/03/2017 22:29
Xylenes, Total	ND	0.50	1	01/03/2017 22:29

(Cont.)

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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E52
Date Received:	12/30/16 11:08	**Extraction Method:**	SW5030B
Date Prepared:	1/3/17	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT8-47-57-W	**1612E52-001A**	**Water**	**12/29/2016 10:45**	**GC18**	**132139**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	106	70-130		01/03/2017 22:29
Toluene-d8	98	70-130		01/03/2017 22:29
4-BFB	90	70-130		01/03/2017 22:29

Analyst(s): HK Analytical Comments: b1

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E52
Date Received:	12/30/16 11:08	**Extraction Method:**	SW5030B
Date Prepared:	1/3/17	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT8-87-91W	1612E52-002A	Water	12/29/2016 14:40	GC18	132139

Analytes	Result	RL	DF	Date Analyzed
Acetone	ND	10	1	01/03/2017 23:07
tert-Amyl methyl ether (TAME)	ND	0.50	1	01/03/2017 23:07
Benzene	**0.64**	0.50	1	01/03/2017 23:07
Bromobenzene	ND	0.50	1	01/03/2017 23:07
Bromochloromethane	ND	0.50	1	01/03/2017 23:07
Bromodichloromethane	ND	0.50	1	01/03/2017 23:07
Bromoform	ND	0.50	1	01/03/2017 23:07
Bromomethane	ND	0.50	1	01/03/2017 23:07
2-Butanone (MEK)	ND	2.0	1	01/03/2017 23:07
t-Butyl alcohol (TBA)	ND	2.0	1	01/03/2017 23:07
n-Butyl benzene	ND	0.50	1	01/03/2017 23:07
sec-Butyl benzene	ND	0.50	1	01/03/2017 23:07
tert-Butyl benzene	ND	0.50	1	01/03/2017 23:07
Carbon Disulfide	ND	0.50	1	01/03/2017 23:07
Carbon Tetrachloride	ND	0.50	1	01/03/2017 23:07
Chlorobenzene	ND	0.50	1	01/03/2017 23:07
Chloroethane	ND	0.50	1	01/03/2017 23:07
Chloroform	**7.7**	0.50	1	01/03/2017 23:07
Chloromethane	ND	0.50	1	01/03/2017 23:07
2-Chlorotoluene	ND	0.50	1	01/03/2017 23:07
4-Chlorotoluene	ND	0.50	1	01/03/2017 23:07
Dibromochloromethane	ND	0.50	1	01/03/2017 23:07
1,2-Dibromo-3-chloropropane	ND	0.20	1	01/03/2017 23:07
1,2-Dibromoethane (EDB)	ND	0.50	1	01/03/2017 23:07
Dibromomethane	ND	0.50	1	01/03/2017 23:07
1,2-Dichlorobenzene	ND	0.50	1	01/03/2017 23:07
1,3-Dichlorobenzene	ND	0.50	1	01/03/2017 23:07
1,4-Dichlorobenzene	ND	0.50	1	01/03/2017 23:07
Dichlorodifluoromethane	ND	0.50	1	01/03/2017 23:07
1,1-Dichloroethane	ND	0.50	1	01/03/2017 23:07
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	01/03/2017 23:07
1,1-Dichloroethene	ND	0.50	1	01/03/2017 23:07
cis-1,2-Dichloroethene	ND	0.50	1	01/03/2017 23:07
trans-1,2-Dichloroethene	ND	0.50	1	01/03/2017 23:07
1,2-Dichloropropane	ND	0.50	1	01/03/2017 23:07
1,3-Dichloropropane	ND	0.50	1	01/03/2017 23:07
2,2-Dichloropropane	ND	0.50	1	01/03/2017 23:07

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab 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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E52
Date Received:	12/30/16 11:08	**Extraction Method:**	SW5030B
Date Prepared:	1/3/17	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT8-87-91W	1612E52-002A	Water	12/29/2016 14:40	GC18	132139

Analytes	Result	RL	DF	Date Analyzed
1,1-Dichloropropene	ND	0.50	1	01/03/2017 23:07
cis-1,3-Dichloropropene	ND	0.50	1	01/03/2017 23:07
trans-1,3-Dichloropropene	ND	0.50	1	01/03/2017 23:07
Diisopropyl ether (DIPE)	ND	0.50	1	01/03/2017 23:07
Ethylbenzene	ND	0.50	1	01/03/2017 23:07
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	01/03/2017 23:07
Freon 113	ND	0.50	1	01/03/2017 23:07
Hexachlorobutadiene	ND	0.50	1	01/03/2017 23:07
Hexachloroethane	ND	0.50	1	01/03/2017 23:07
2-Hexanone	ND	0.50	1	01/03/2017 23:07
Isopropylbenzene	ND	0.50	1	01/03/2017 23:07
4-Isopropyl toluene	ND	0.50	1	01/03/2017 23:07
Methyl-t-butyl ether (MTBE)	ND	0.50	1	01/03/2017 23:07
Methylene chloride	ND	0.50	1	01/03/2017 23:07
4-Methyl-2-pentanone (MIBK)	ND	0.50	1	01/03/2017 23:07
Naphthalene	ND	0.50	1	01/03/2017 23:07
n-Propyl benzene	ND	0.50	1	01/03/2017 23:07
Styrene	ND	0.50	1	01/03/2017 23:07
1,1,1,2-Tetrachloroethane	ND	0.50	1	01/03/2017 23:07
1,1,2,2-Tetrachloroethane	ND	0.50	1	01/03/2017 23:07
Tetrachloroethene	ND	0.50	1	01/03/2017 23:07
Toluene	ND	0.50	1	01/03/2017 23:07
1,2,3-Trichlorobenzene	ND	0.50	1	01/03/2017 23:07
1,2,4-Trichlorobenzene	ND	0.50	1	01/03/2017 23:07
1,1,1-Trichloroethane	ND	0.50	1	01/03/2017 23:07
1,1,2-Trichloroethane	ND	0.50	1	01/03/2017 23:07
Trichloroethene	ND	0.50	1	01/03/2017 23:07
Trichlorofluoromethane	ND	0.50	1	01/03/2017 23:07
1,2,3-Trichloropropane	ND	0.50	1	01/03/2017 23:07
1,2,4-Trimethylbenzene	ND	0.50	1	01/03/2017 23:07
1,3,5-Trimethylbenzene	ND	0.50	1	01/03/2017 23:07
Vinyl Chloride	ND	0.50	1	01/03/2017 23:07
Xylenes, Total	ND	0.50	1	01/03/2017 23:07

(Cont.)

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

Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E52
Date Received:	12/30/16 11:08	**Extraction Method:**	SW5030B
Date Prepared:	1/3/17	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
CPT8-87-91W	**1612E52-002A**	**Water**	**12/29/2016 14:40**	**GC18**	**132139**

Analytes	Result	RL	DF	Date Analyzed
Surrogates	REC (%)	Limits		
Dibromofluoromethane	105	70-130		01/03/2017 23:07
Toluene-d8	96	70-130		01/03/2017 23:07
4-BFB	94	70-130		01/03/2017 23:07

Analyst(s): HK Analytical Comments: b1

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E52
Date Prepared:	1/3/17	**BatchID:**	132139
Date Analyzed:	1/3/17	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-132139 1612E33-001AMS/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	9.75	0.50	10	-	97	54-140
Benzene	ND	10.9	0.50	10	-	109	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	40.4	2.0	40	-	101	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	9.83	0.50	10	-	98	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	9.77	0.50	10	-	98	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	10.4	0.50	10	-	104	66-125
1,1-Dichloroethene	ND	10.4	0.50	10	-	104	47-149
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	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E52
Date Prepared:	1/3/17	**BatchID:**	132139
Date Analyzed:	1/3/17	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-132139 1612E33-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
Diisopropyl ether (DIPE)	ND	11.0	0.50	10	-	110	57-136
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	10.5	0.50	10	-	105	55-137
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	10.5	0.50	10	-	105	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	10.1	0.50	10	-	101	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	9.64	0.50	10	-	96	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	-	-	-	-

(Cont.)

NELAP 4033ORELAP

QA/QC Officer

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

Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612E52
Date Prepared:	1/3/17	**BatchID:**	132139
Date Analyzed:	1/3/17	**Extraction Method:**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS-132139 1612E33-001AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Surrogate Recovery							
Dibromofluoromethane	26.1	26.3		25	104	105	70-130
Toluene-d8	25.0	24.8		25	100	99	70-130
4-BFB	2.31	2.42		2.5	92	97	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	8.72	9.48	10	ND	87	95	69-139	8.35	20
Benzene	10.5	10.7	10	ND	105	107	69-141	2.33	20
t-Butyl alcohol (TBA)	32.3	33.1	40	ND	81	83	41-152	2.42	20
Chlorobenzene	9.35	9.55	10	ND	94	95	77-120	2.05	20
1,2-Dibromoethane (EDB)	8.85	9.30	10	ND	88	93	76-135	4.99	20
1,2-Dichloroethane (1,2-DCA)	9.74	10.3	10	ND	97	103	73-139	5.22	20
1,1-Dichloroethene	9.37	9.89	10	ND	94	99	59-140	5.39	20
Diisopropyl ether (DIPE)	10.6	11.0	10	ND	106	110	72-140	3.51	20
Ethyl tert-butyl ether (ETBE)	9.78	10.4	10	ND	98	104	71-140	5.97	20
Methyl-t-butyl ether (MTBE)	9.49	10.2	10	ND	95	101	73-139	6.72	20
Toluene	9.75	9.64	10	ND	97	96	71-128	1.15	20
Trichloroethene	9.10	9.44	10	ND	91	94	64-132	3.58	20
Surrogate Recovery									
Dibromofluoromethane	26.5	26.8	25		106	107	73-131	1.03	20
Toluene-d8	25.2	24.1	25		101	96	72-117	4.48	20
4-BFB	2.18	2.44	2.5		87	97	74-116	11.2	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1612E52 **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
ap@advgeoenv.com

Requested TAT: **5 days;**

Date Received: **12/30/2016**
Date Logged: **12/30/2016**

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
1612E52-001	CPT8-47-57-W	Water	12/29/2016 10:45	☐	A											
1612E52-002	CPT8-87-91W	Water	12/29/2016 14:40	☐	A											

Test Legend:

1	8260B_W	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Agustina 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.

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

WORK ORDER SUMMARY

Client Name: ADVANCED GEOENVIRONMENTAL, INC. **Project:** Swiss Valley Cleaners **Work Order:** 1612E52
Client Contact: Daniel Villanueva **QC Level:** LEVEL 2
Contact's Email: dvillanueva@advgeoenv.com **Comments:** **Date Logged:** 12/30/2016

☐ 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
1612E52-001A	CPT8-47-57-W	Water	SW8260B (VOCs)	4	VOA w/ HCl	☐	12/29/2016 10:45	5 days	35%+	☐	
1612E52-002A	CPT8-87-91W	Water	SW8260B (VOCs)	4	VOA w/ HCl	☐	12/29/2016 14:40	5 days	15%+	☐	

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.

116/12E52

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: 12/29/16 Page 1 of 1

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 8260
#3 CPT8-47-57W	12/29/16	1045	W	4		X
~~CPT8-47-57~~						
#5 CPT8-87-91W	12/29/16	1440	W	4		X

Relinquished by:	Date: 12/29/16	Time: 1700	Laboratory: McCampbell Laboratories	
Courier: Delivered (RW)	12/30/16 1105		Received by:	Date: 12/30/16 Time: 1108
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.

10,1

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.**
Project Name: **Swiss Valley Cleaners**

WorkOrder №: **1612E52** Matrix: Water
Carrier: Client Drop-In

Date and Time Received: **12/30/2016 11:08**
Date Logged: **12/30/2016**
Received by: Agustina Venegas
Logged by: Agustina Venegas

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 ☐	NA ☐
Sample/Temp Blank temperature	Temp: 10.1°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 ☑

Comments: