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By Alameda County Environmental Health 9:28 am, Feb 21, 2017

PERJURY STATEMENT

Subject: **1395 MacArthur Boulevard, San Leandro, California**
Remedial Well/System Installation & Startup 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.

2-15-17

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

Remedial Well/System Installation & Startup Report

SWISS VALLEY CLEANERS
1395 MacArthur Boulevard, San Leandro, California

01 February 2016
AGE-Project No. 12-2461

PREPARED FOR:

Mr. William Matthew 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"

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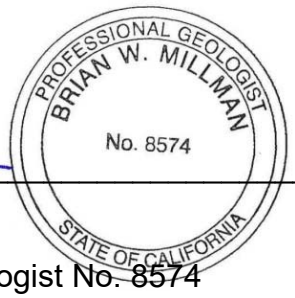
PREPARED BY:

Daniel J. Villanueva
Senior Project Geologist

PROJECT MANAGER:

Daniel J. Villanueva
Senior Project Geologist

REVIEWED BY:



Brian W. Millman
Senior Project Geologist
California Professional Geologist No. 8574

Remedial Well/System Installation & Startup Report
SWISS VALLEY CLEANERS
1395 MacArthur Boulevard, San Leandro, California

SECTION **PAGE**

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Remedial Well/System Installation & Startup Report
SWISS VALLEY CLEANERS
1395 MacArthur Boulevard, San Leandro, California

1.0. INTRODUCTION

At the request of Mr. William Mathew Brooks of Ardenbrook, Inc., Advanced GeoEnvironmental, Inc. (AGE) has prepared this *Remedial/System Installation & Startup Report,* for the Swiss Valley Cleaners site located at 1395 MacArthur Boulevard, San Leandro, California (site). This report documents the installation of seventeen (17) soil-vapor extraction (SVE) wells (VW-5 through VW-21) and associated remediation piping, installation of an SVE remediation system, remedial system startup, and operation and maintenance of the SVE system during the fourth quarter 2016. The location of the site is illustrated in Figure 1. A plot plan of the site, SVE wells and trenching locations are illustrated in Figure 2. Well construction details are included as Table 1.

Field procedures for the above scope of work were outlined in the AGE prepared, *Corrective Action Plan* dated 16 October 2015, and *Remedial Action Work Plan Addendum & Remedial Design Implementation Plan* dated 02 February 2016. Copies of the required Alameda County drilling permits are included as Appendix A.

On 11 November 2016, the SVE system began operation under Bay Area Air Quality Management District (BAAQMD) permit application number 28042, plant number 23608. SVE commenced on 11 November 2016 utilizing well network VW-1 through VW-21. During startup and the weekly monitoring events, the influent SVE flow rates were measured using a Dwyer differential flow meter. In addition, the influent vacuum potential was measured with a Magnehelic vacuum gauge, while organic vapor concentrations in the influent stream (before entering the blower) and the effluent stream (after exiting the carbon treatment) were measured using Photo Ionization Detector (PID).

2.0. WELL INSTALLATION PROCEDURES

Between May and August 2015, a total of seventeen (17) SVE wells (VW-5 through VW-21) were installed within and surrounding the subject suite. All wells were installed to a total depth of seven (7) feet below surface grade (bsg).

2.1. DRILLING AND SOIL SAMPLING

Between May and August 2015, pilot soil borings for wells VW-5 through VW-21 were advanced utilizing a seven-inch diameter hang auger. Pilot borings for wells VW-5 through VW-21 were advanced to seven feet bsg. Drilling services were provided by All Well Abandonment of Rancho Cordova, California. All soil cuttings generated during drilling activities were placed in a Department of Transportation (DOT)-approved 55-

gallon drums and stored onsite in an area lacking public access. Soil samples were not collected during the installation process. Boring and well locations are depicted in Figure 2.

2.2. WELL COMPLETION

Pilot soil borings for wells VW-5 through VW-21 were completed as shallow soil-vapor extraction wells, with 2-inch diameter, schedule 40 polyvinylchloride (PVC) blank well casing installed from near surface to 2 feet bsg and 2-inch diameter, 0.020-inch slotted well screens installed from 2 to 7 feet bsg.

Each well was installed down-hole to the total depth of each boring. Filter pack material consisting of #3 sand (filter pack) was slowly poured down the annulus between the well casing and edge of the borehole. The filter pack was placed adjacent to the screened casing from the bottom of the boring to the top of the well screen located at two feet bsg. The remainder of the void space was filled with bentonite chips and hydrated. Each well was finished at the surface with flush mounted, water-tight traffic-rated well boxes.

Well locations are illustrated on Figure 2. Borings logs are included in Appendix B and were uploaded to the State Geotracker Database under confirmation numbers 2387763679, 6079107701, 7888147175, 9932654023, 4368150711, 4140596389, 6856727302, 5236207962, 6238775849, 1697889864, 8400923311, 2415029942, 9036689460, 4337653458, 7901193976, 6205680608 and 6774705886.

2.3. NON-HAZARDOUS WASTE DISPOSAL

On 18 September 2015, 17 drums of soil cuttings generated during SVE well installations were removed and disposed of by Advanced Chemical Transport Inc. of Merced, California. A copy of the waste manifest documenting the disposal is included in Appendix C.

3.0. REMEDIAL PIPING INSTALLATION

In May, June and September 2015 and June 2016 right, remedial piping was installed from the newly installed SVE wells to the site remedial system. A series of 2-inch diameter schedule 40 PVC pipe was installed from the well heads of VW-1 through VW-21 both above and below ground. Above ground piping is only installed along the walls of the subject suite. A site plan showing the general location of the remedial piping installed in May, June and September 2015 is included in Figure 2.

4.0. REMEDIAL OPERATION PROCEDURES

Remedial piping is routed to a moisture knockout vessel and two 1,000-pound granular activated carbon (GAC) vessels and then to a positive displacement blower capable of producing 150 standard cubic feet per minute (scfm). Sampling ports have been installed upstream of the vacuum blower inlet to recover influent soil-vapor stream samples, and downstream of the GAC vessels to recover effluent vapor stream samples to monitor the efficiency of contaminant destruction.

The SVE system was typically monitored on a weekly basis and sampled on a monthly basis. During startup activities the remedial system was monitored daily for the first week of operation.

In order to monitor efficiency of the SVE petroleum vapor recovery system, the following steps were taken: 1) a Magnehelic® vacuum gauge and Dwyer® DS-200 differential pressure sensor were installed before the blower so that the total air flow rate was monitored; the flow rate was determined from the measured differential pressure and the piping diameter using a nomograph; 2) SVE air flow of the influent and effluent streams were monitored routinely for the presence of organic vapor using a Rae® Systems MiniRae3000 organic vapor meter (OVM) equipped with a photo ionization detector (PID-10.6 eV lamp); and 3) influent and effluent vapor flow vapor stream samples were collected from sampling ports installed upstream (influent) of the SVE blower and downstream (effluent) of the carbon treatment system and submitted for laboratory analysis as required by the BAAQMD Permit to Operate (PTO).

Numerous operational parameters are recorded or displayed on the system, including: operational and cumulative system hours (SVE); air temperature after the blower; vacuum generated by the blower; flow of SVE vapor stream; influent OVM readings taken before and after the blower, at each of the carbon vessels, and effluent readings downstream of the carbon treatment system. Table 2 lists each of the parameters measured evaluate system performance and trends.

Additionally, the SVE well network consists of twenty-one shallow screened SVE wells (VW-1 through VW-21) screened from 2 feet to 7 feet bsg. Each well is fitted with a ball valve to allow individual well adjustments. During this operational period all wells were utilized for SVE remediation (Table 2).

During this operational period influent and effluent vapor samples were collected on 11, 14, 15, 16 and 17 November 2016 and on 15 December 2016. Samples were collected using a vacuum pump and lung box into Tedlar bags. Samples were submitted to a California Department of Public Health certified laboratory for analysis of full-scan Volatile Organic Compounds (VOCs). Analytical results are included as Appendix D.

5.0. REMEDIAL OPERATION FINDINGS

Data collected during startup and the fourth quarter 2016 operation and monitoring events as well as vapor stream sampling was used to determine the efficiency and effectiveness of the on-site remedial SVE system. The following is a summary of findings from the fourth quarter 2016 operational period.

As of 27 December 2016, the SVE system has been in operation for 931.3 hours (equivalent to 38.8 days). During the fourth quarter 2016, system flow ranged from 164 standard cubic feet per min (scfm) to 172 scfm. System vacuum has been regulated between 9.4 inches of water to 9.8 inches of water ~~in Hg~~ during the quarter. PID system influent readings were collected from sampling ports before (influent) and after (effluent) the blower during this quarter. Influent readings ranged from 5.1 parts per million by volume (ppmv) to 16 ppmv. Effluent readings were measured at 0.0 ppmv. SVE system parameters are summarized in Table 2.

Influent and effluent vapor samples were collected on 11, 14, 15, 16 and 17 November 2016 and on 15 December 2016. Tetrachloroethene (PCE) was detected in five of the six influent samples at concentrations ranging from 3,400 micrograms per cubic meter (µg/m^3) and 20,000 µg/m^3. Constituents of concern were not reported above laboratory reporting limits in any of the effluent samples collected during the fourth quarter 2016.

No other analytes of concern were reported above laboratory detection limits in the samples collected during the fourth quarter 2016 operational period. SVE influent and effluent samples collected this quarter are summarized in Table 3. The laboratory reports (Enviro-chem Project Nos. 166115-23,-24, 161116-6, -7, 161117-7,-8 and 161118-15,16 and McCampbell Analytical work order numbers 1612703 and 1611548), QA/QC report and chain of custody form are included in Appendix D. The laboratory electronic deliverable format files were QA/QC checked and uploaded to the State Water Board GeoTracker site under confirmation numbers 5971170783, 9811441779, 4366401374, 6533384859, 33024430876349237799.

Between 11 November and 15 December 2016, the SVE unit operated a total of 670.9 hours (Table 2). The average analytical results of the influent SVE flow samples, average influent flow rates and the operational periods (i.e. between sampling events) were used to calculate the approximate mass of extracted PCE during this period. During the fourth quarter 2016, approximately 2.00 pounds of PCE were removed from the soil vapor at the site using SVE remediation. Mass and volume calculations are included in Appendix E.

6.0. CONCLUSIONS

Based upon the data presented in this report, AGE concludes:

- A total of seventeen (17) soil-vapor extraction wells were installed at the site in May and August 2015. Well screens were installed in each SVE well from two to seven feet bsg (Table 1);
- Soil samples were not collected during the well installations; previously collected data is sufficient for assessment purposes;
- Remedial piping and system installation occurred at the site in May, June and September and 2015 and October 2016. The remediation system was installed at the site in October 2015;
- SVE remediation was initiated at the site on 11 November 2016 and operated continuously until 20 December 2016; the SVE system was shut down on 20 December 2016 for routine maintenance; SVE was restarted on 27 December 2016 (Table 2);
- PCE was detected at elevated concentrations in five of the six influent soil vapor samples collected during startup and the fourth quarter 2016 operational period (Table 3);
- The total system flow and vacuum observed during the fourth quarter 2016 is adequate to remove the chlorinated hydrocarbon mass present at the site; and
- Between 11 November and 15 December 2016, approximately 2.00 pounds of PCE were removed from the shallow subsurface (Appendix E).
- Field measurements of influent from individual soil-vapor wells indicate that a sufficient PCE mass was removed as a result of SVE operations conducted at the site during the fourth quarter 2016.

7.0. RECOMMENDATIONS

Based on the findings of the environmental activities performed to date at the site, AGE recommends continuation of SVE operation at the site. The onsite SVE system is sufficiently removing mass from historical dry cleaning operations performed at the site. In addition to continued operation, AGE recommends that ACEHD approve the re-occupancy of the suite, as previously documented risk is being removed and further SVE infrastructure will not likely need to be installed at the site.

8.0. 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/hydrogeologic conditions at the site for the purpose of this investigation was made from a limited number of available data points (soil-vapor samples) and subsurface conditions may vary away from these data points. No other warranty, expressed or implied, is made as to the professional interpretations, opinions, and recommendations contained in this report.

FIGURES

N

SCALE
0 2000 4000
FEET

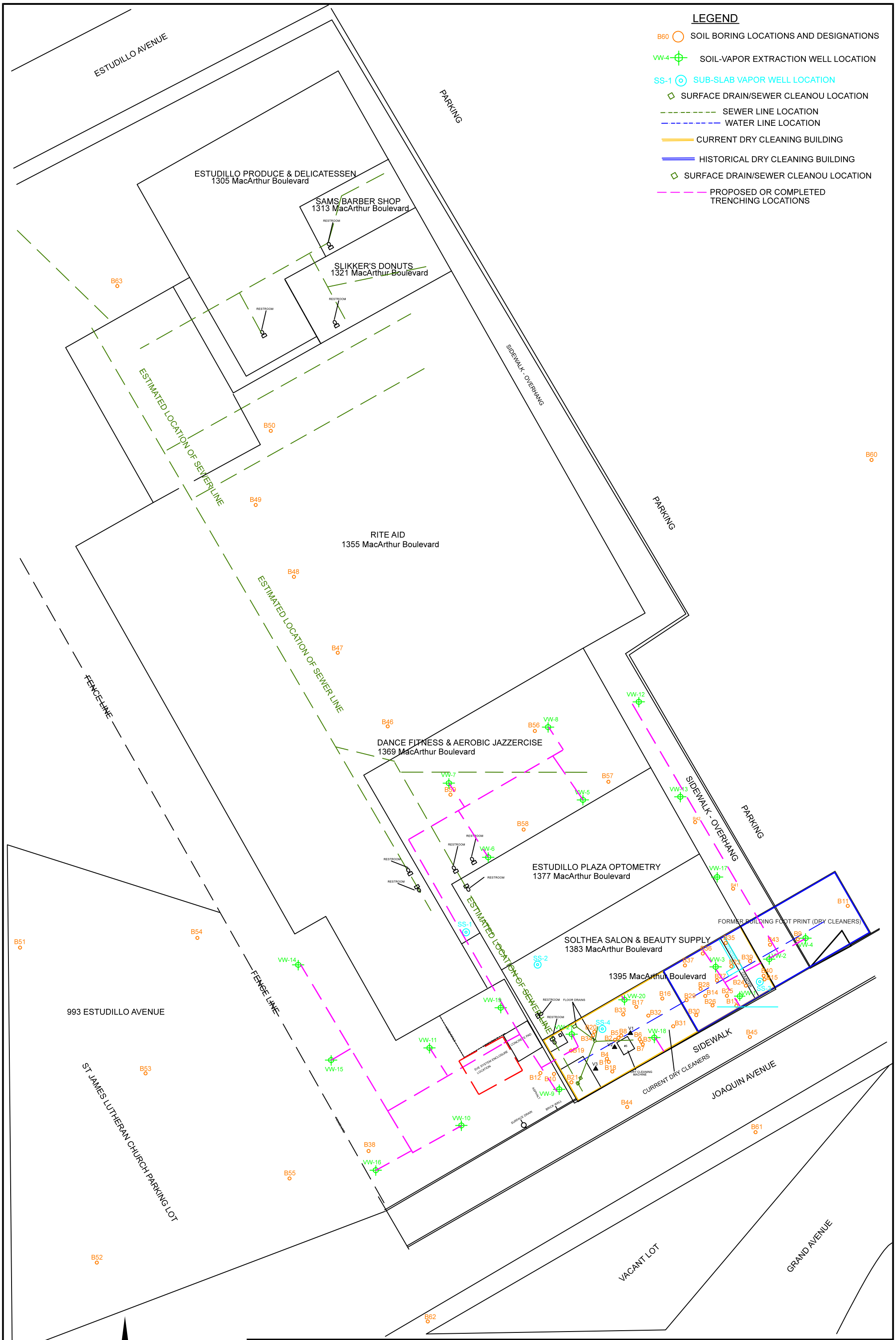
SAN LEANDRO QUADRANGLE, CALIFORNIA
7.5 MINUTE SERIES (U.S. GEOLOGICAL SURVEY)

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	



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: 2
DATE: JANUARY 2017	DRAWN BY: MAC	

TABLES

TABLE 1

WELL CONSTRUCTION DETAILS
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California

Well ID	Installation Date	Borehole Diameter (inch)	Total Drilled Depth (feet bsg)	Total Well Depth (feet bsg)	Casing Elevation (ft MSL)	Well Casing Material	Slot Size (inch)	Screen Interval (feet)	Filter Pack Interval (feet bsg)	Bentonite Interval (feet bsg)	Grout Interval (feet bsg)	Well Location
VW-1	08-21-2014	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	1395 MacArthur (Swiss Valley Cleaners)
VW-2	08-21-2014	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	Front of Facility
VW-3	08-22-2014	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	1395 MacArthur (Swiss Valley Cleaners)
VW-4	08-22-2014	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	Front of Facility
VW-5	05-08-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	1369 MacArthur (Former Jazzercise)
VW-6	05-08-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	1369 MacArthur (Former Jazzercise)
VW-7	05-08-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	1369 MacArthur (Former Jazzercise)
VW-8	05-08-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	1369 MacArthur (Former Jazzercise)
VW-9	08-25-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	Rear of Facility
VW-10	08-25-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	Rear of Facility
VW-11	08-25-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	Rear of Facility
VW-12	08-25-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	Front of Facility
VW-13	08-25-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	Front of Facility
VW-14	08-26-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	Rear of Facility
VW-15	08-26-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	Rear of Facility
VW-16	08-26-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	Rear of Facility
VW-17	08-26-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	Front of Facility
VW-18	08-26-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	1395 MacArthur (Swiss Valley Cleaners)
VW-19	08-26-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	Rear of Facility
VW-20	08-27-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	1395 MacArthur (Swiss Valley Cleaners)
VW-21	08-27-2015	7	7	7	NM	PVC	0.020	2 to 7	2 to 7	0.5 to 2	none	1395 MacArthur (Swiss Valley Cleaners)

Notes:

bsg: below surface grade
NM: Not measured

TABLE 2

SVE FIELD PARAMETERS
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California

Date	Time	System Hours	Flow (IOW in 3" Pipe)	Flow (SCFM)	Vacuum (IOW)	Influent PID (ppm)	Effluent PID (ppm)	Wells Operational	Total Air Temp (F°)	Total Air Pressure (IOW)
11/11/2016	10:00	22835.8	1.6	164	7.6	16	0	VW-1 through VW-21	121	24
11/14/2016	13:30	22910.5	1.75	170	8.0	4	0	VW-1 through VW-21	123	23
11/15/2016	13:40	22934.4	1.8	172	8.7	10	0	VW-1 through VW-21	120	24
11/16/2016	13:05	22957.8	1.8	172	9.4	10	0	VW-1 through VW-21	120	24
11/17/2016	12:10	22981.0	1.8	172	9.8	11	0	VW-1 through VW-21	118	24
11/22/2016	12:10	23100.9	1.8	172	9.8	8	0	VW-1 through VW-21	118	24
12/1/2016	10:40	23315.5	1.8	172	9.8	9	0	VW-1 through VW-21	116	24
12/6/2016	10:25	23435.9	1.8	172	9.8	8	0	VW-1 through VW-21	112	23
12/15/2016	11:00	23651.9	1.8	172	9.8	5.1	0	VW-1 through VW-21	114	23
12/20/2016	9:10	23767.1	-	-	-	-	-	-	-	-
12/27/2016	11:40	23767.1	1.6	164	-	5.4	0	VW-1 through VW-21	-	25

Notes:
IOW: Inches of Water
SCFM: standard cubic feet per minute
ppm: parts per million

TABLE 3

SVE PILOT TEST SOIL VAPOR ANALYTICAL DATA
Swiss Valley Cleaners
1395 MacArthur Boulevard, San Leandro, California

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)
Influent/Vapor	11-11-2016	**20,000**	<250	<250	<250	<250	<250
	11-14-2016	**13,000**	<1,000	<1,000	<1,000	<1,000	<1,000
	11-15-2016	**5,000**	<1,000	<1,000	<1,000	<1,000	<1,000
	11-16-2016	**6,000**	<1,000	<1,000	<1,000	<1,000	<1,000
	11-17-2016	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000
	12-15-2016	**3,400**	<250	<250	<250	<250	<250
Effluent	11-11-2016	<250	<250	<250	<250	<250	<250
	11-14-2016	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000
	11-15-2016	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000
	11-16-2016	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000
	11-17-2016	<1,000	<1,000	<1,000	<1,000	<1,000	<1,000
	12-15-2016	<250	<250	<250	<250	<250	<250

Notes:

All sample concentrations reported in micrograms per cubic meter

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

NA: Not analyzed.

APPENDIX A

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: 04/27/2015 By priest

Permit Numbers: W2015-0344
Permits Valid from 05/05/2015 to 05/05/2015

Application Id:	1429562905941	**City of Project Site:** San Leandro
Site Location:	1395 MacArthur Boulevard	
Project Start Date:	05/05/2015	**Completion Date:** 05/05/2015
Assigned Inspector:	Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org	
Applicant:	Advanced GeoEnvironmental Inc. - Daniel Villanueva 837 Shaw Road, Stockton, CA 95215	**Phone:** 209-467-1006
Property Owner:	William Brooks 4725 Thornton Avenue, Fremont, CA 94536	**Phone:** --
Client:	William Brooks 4725 Thornton Avenue, Fremont, CA 94536	**Phone:** --
Contact:	Daniel Villanueva	**Phone:** 209-467-1006 **Cell:** 209-601-3541

Total Due: $265.00
Receipt Number: WR2015-0192 **Total Amount Paid:** $265.00
Payer Name : Robert Marty Paid By: VISA **PAID IN FULL**

Works Requesting Permits:

Remediation Well Construction-Extraction - 4 Wells
Driller: Advanced GeoEnvironmental Inc. - Lic #: 680227 - Method: Hand **Work Total: $265.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2015-0344	04/27/2015	08/03/2015	VW-5	7.00 in.	2.00 in.	2.00 ft	7.00 ft
W2015-0344	04/27/2015	08/03/2015	VW-6	7.00 in.	2.00 in.	2.00 ft	7.00 ft
W2015-0344	04/27/2015	08/03/2015	VW-7	7.00 in.	2.00 in.	2.00 ft	7.00 ft
W2015-0344	04/27/2015	08/03/2015	VW-8	7.00 in.	2.00 in.	2.00 ft	7.00 ft

Specific Work Permit Conditions

1. 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.

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

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and

mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

4. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

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

6. Minimum seal depth (Neat Cement Seal) is 2 feet below ground surface (BGS).

7. Minimum surface seal thickness is two inches of cement grout placed by tremie.

8. 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.

9. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

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: 08/21/2015 By priest

Permit Numbers: W2015-0798
Permits Valid from 08/31/2015 to 09/04/2015

Application Id:	1439832881938	**City of Project Site:** San Leandro
Site Location:	1395 MacArthur Boulevard	
Project Start Date:	08/31/2015	**Completion Date:** 09/04/2015
Assigned Inspector:	Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org	
Applicant:	Advanced GeoEnvironmental Inc. - Daniel Villanueva 837 Shaw Road, Stockton, CA 95215	**Phone:** 209-467-1006
Property Owner:	William Brooks 4725 Thornton Avenue, Fremont, CA 94536	**Phone:** --
Client:	Williama Brooks 4725 Thornton Avenue, Fremont, CA 94536	**Phone:** --
Contact:	Daniel Villanueva	**Phone:** 209-467-1006 **Cell:** --

Receipt Number: WR2015-0417
Payer Name : Robert Marty

Total Due:	$265.00
Total Amount Paid:	$265.00
Paid By: MC	**PAID IN FULL**

Works Requesting Permits:

Remediation Well Construction-Vapor Remediation Well - 13 Wells
Driller: All Well Abandonmen - Lic #: 848359 - Method: hstem

Work Total: $265.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2015-0798	08/21/2015	11/29/2015	VW-10	7.00 in.	2.00 in.	2.00 ft	7.00 ft
W2015-0798	08/21/2015	11/29/2015	VW-11	7.00 in.	2.00 in.	2.00 ft	7.00 ft
W2015-0798	08/21/2015	11/29/2015	VW-12	7.00 in.	2.00 in.	2.00 ft	7.00 ft
W2015-0798	08/21/2015	11/29/2015	VW-13	7.00 in.	2.00 in.	2.00 ft	7.00 ft
W2015-0798	08/21/2015	11/29/2015	VW-14	7.00 in.	2.00 in.	2.00 ft	7.00 ft
W2015-0798	08/21/2015	11/29/2015	VW-15	7.00 in.	2.00 in.	2.00 ft	7.00 ft
W2015-0798	08/21/2015	11/29/2015	VW-16	7.00 in.	2.00 in.	2.00 ft	7.00 ft
W2015-0798	08/21/2015	11/29/2015	VW-17	7.00 in.	2.00 in.	2.00 ft	7.00 ft
W2015-0798	08/21/2015	11/29/2015	VW-18	7.00 in.	2.00 in.	2.00 ft	7.00 ft
W2015-0798	08/21/2015	11/29/2015	VW-19	7.00 in.	2.00 in.	2.00 ft	7.00 ft
W2015-0798	08/21/2015	11/29/2015	VW-20	7.00 in.	2.00 in.	2.00 ft	7.00 ft
W2015-0798	08/21/2015	11/29/2015	VW-21	7.00 in.	2.00 in.	2.00 ft	7.00 ft
W2015-0798	08/21/2015	11/29/2015	VW-9	7.00 in.	2.00 in.	2.00 ft	7.00 ft

Alameda County Public Works Agency - Water Resources Well Permit

Specific Work Permit Conditions

1. 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.

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

3. 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.

4. Minimum seal depth (Neat Cement Seal) is 2 feet below ground surface (BGS).

5. Minimum surface seal thickness is two inches of cement grout placed by tremie.

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

APPENDIX B

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

BORING LOG

BOREHOLE NO.: **VW-5**

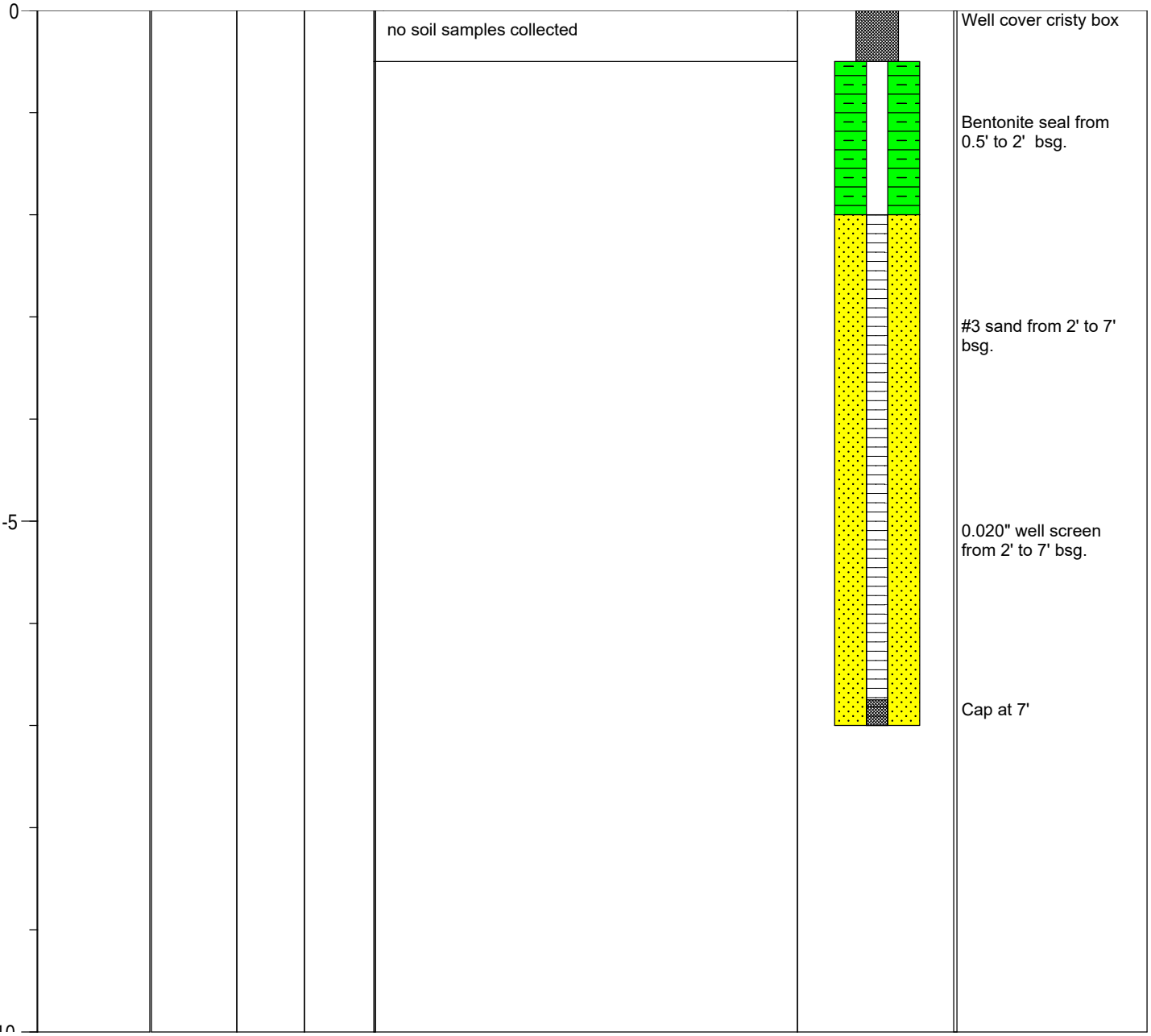
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	05-08-2015

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



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

BORING LOG

BOREHOLE NO.: **VW-6**

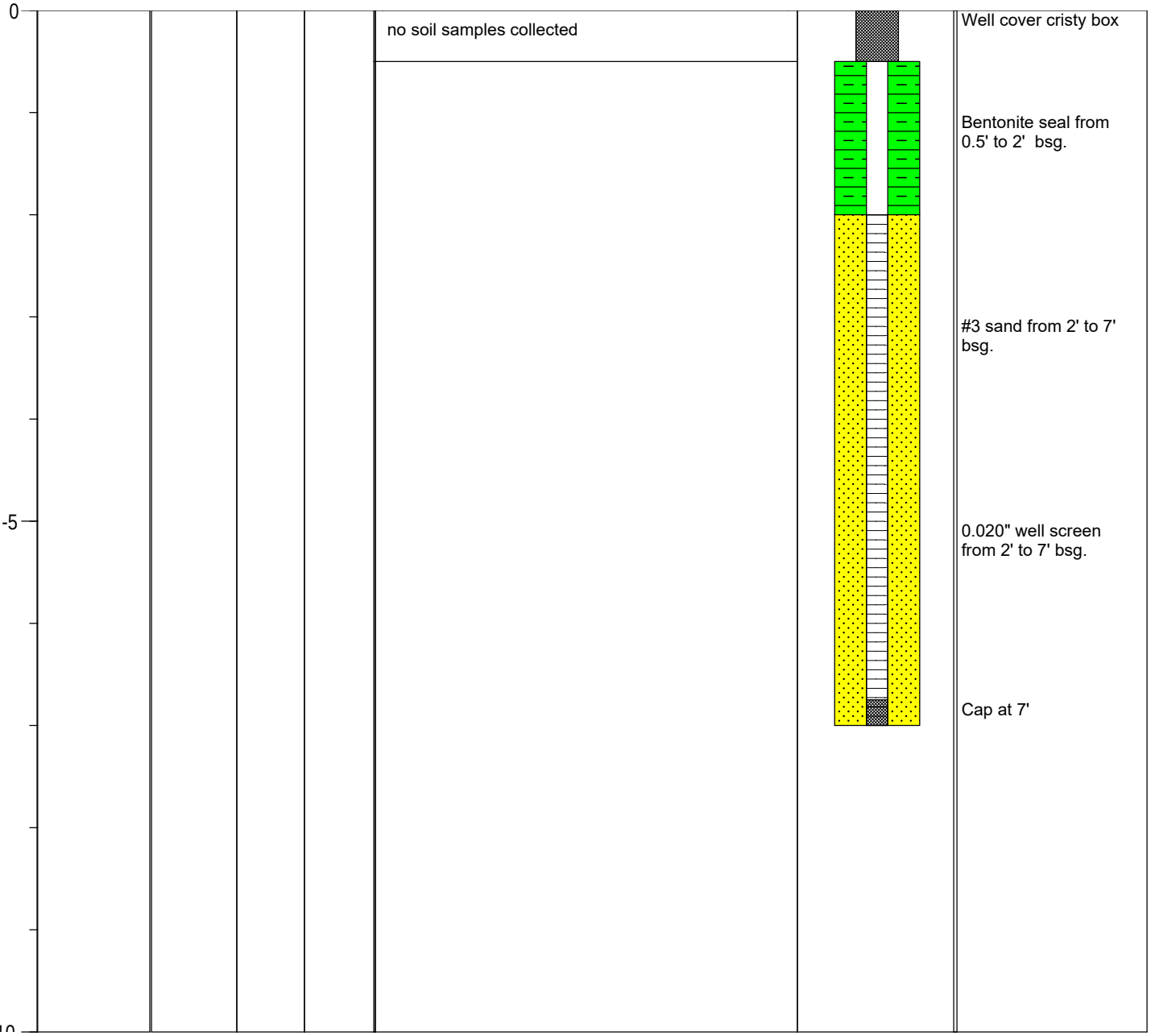
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	05-08-2015

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



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(209) 467-1006 FAX: (209) 467-1118

BORING LOG

BOREHOLE NO.: **VW-7**

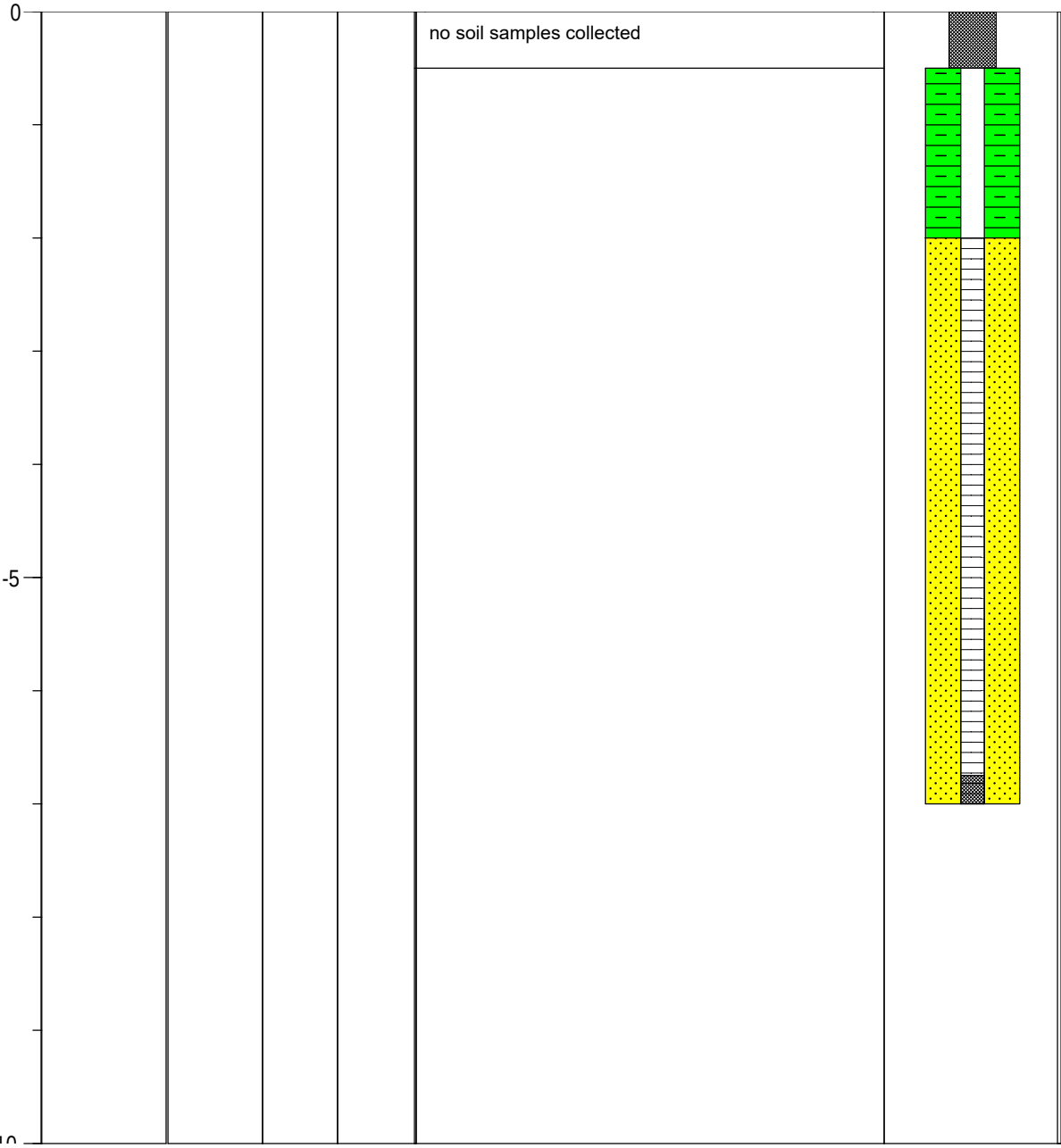
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	05-08-2015

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



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(209) 467-1006 FAX: (209) 467-1118

BORING LOG

BOREHOLE NO.: **VW-8**

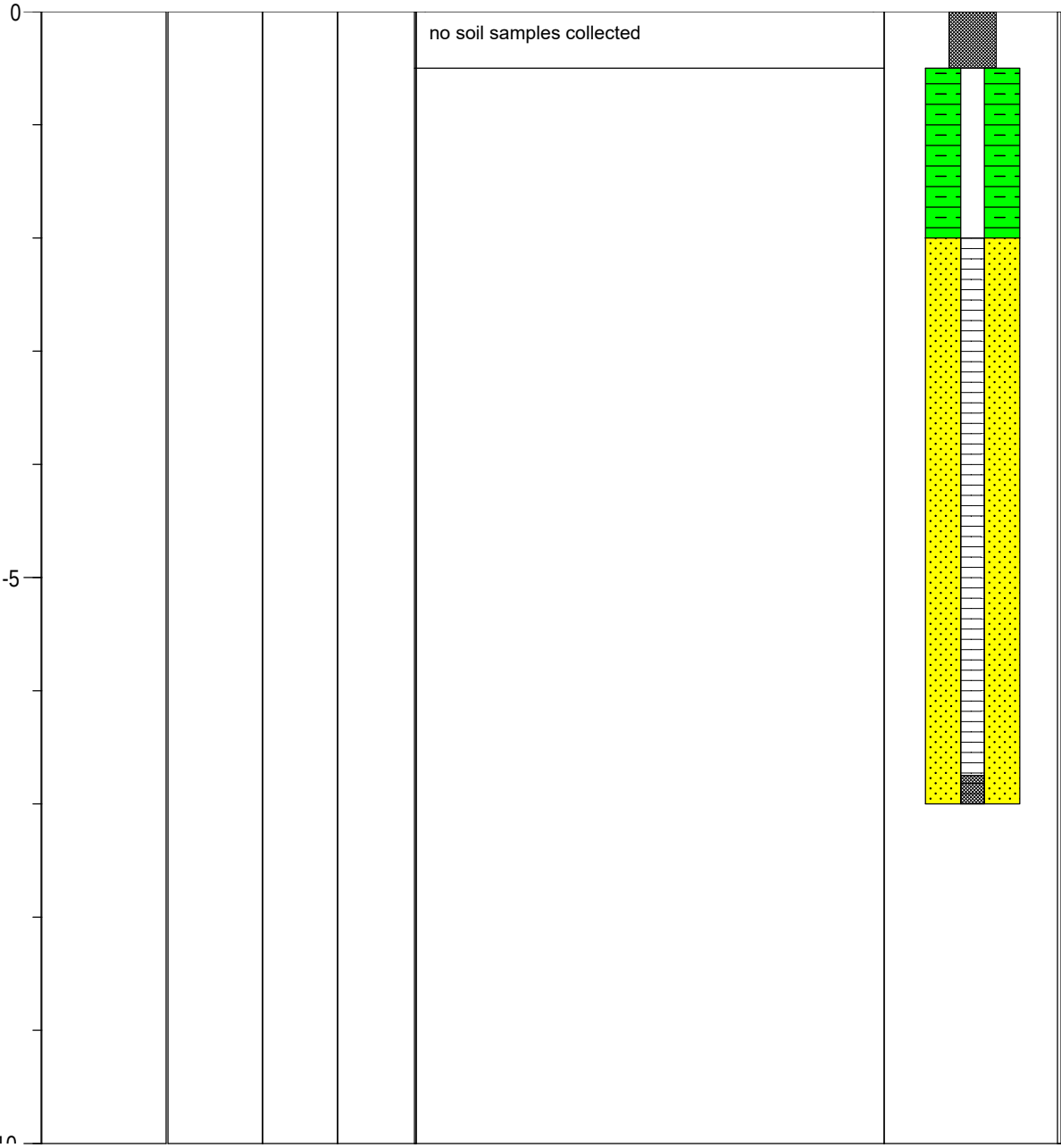
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	05-08-2015

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



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(209) 467-1006 FAX: (209) 467-1118

BORING LOG

BOREHOLE NO.: **VW-9**

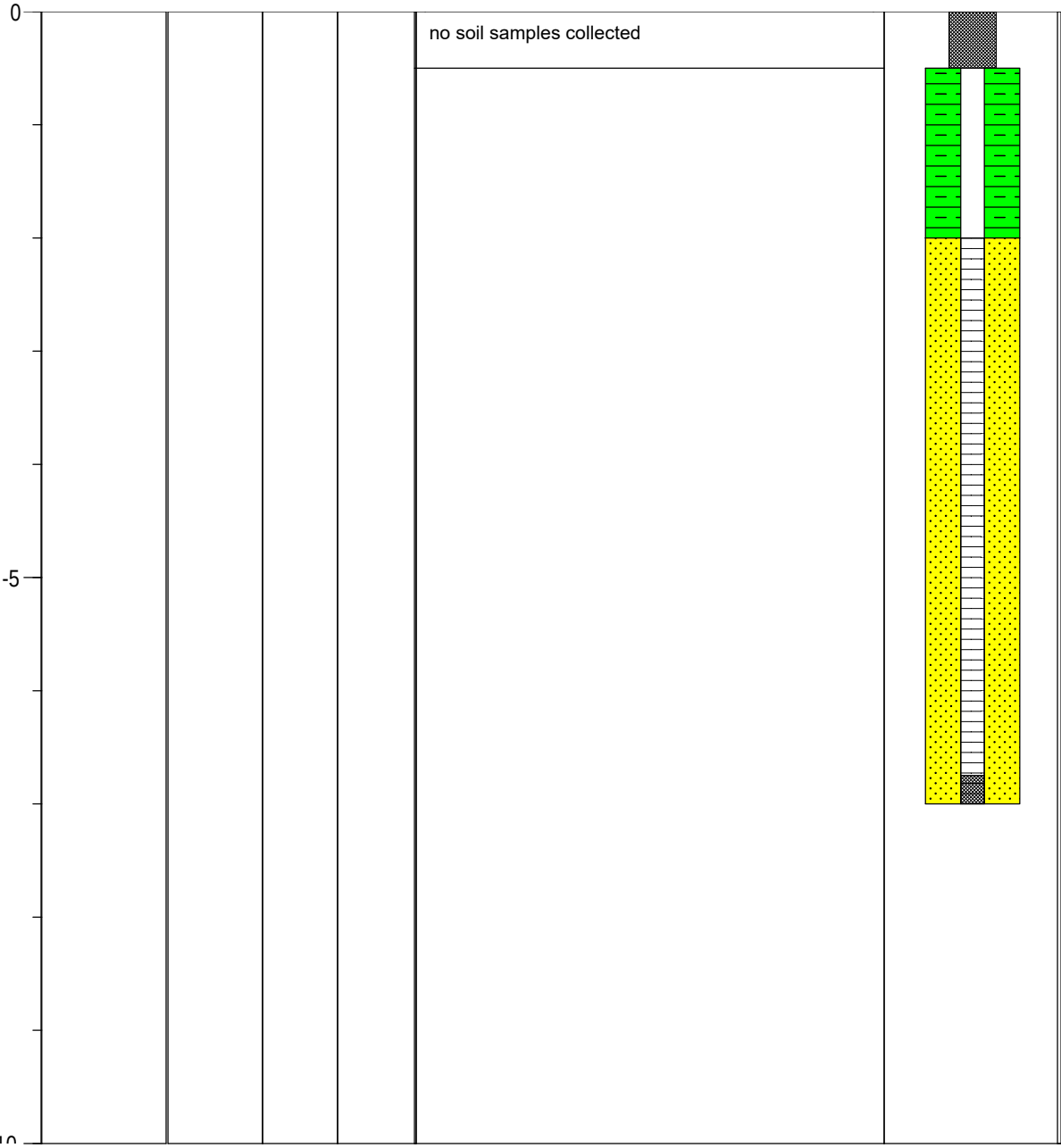
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	08-25-2016

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



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BORING LOG

BOREHOLE NO.: **VW-10**

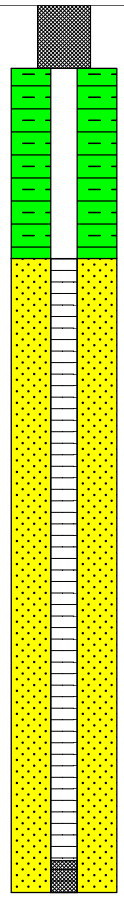
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	08-25-2016

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



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(209) 467-1006 FAX: (209) 467-1118

BORING LOG

BOREHOLE NO.: **VW-11**

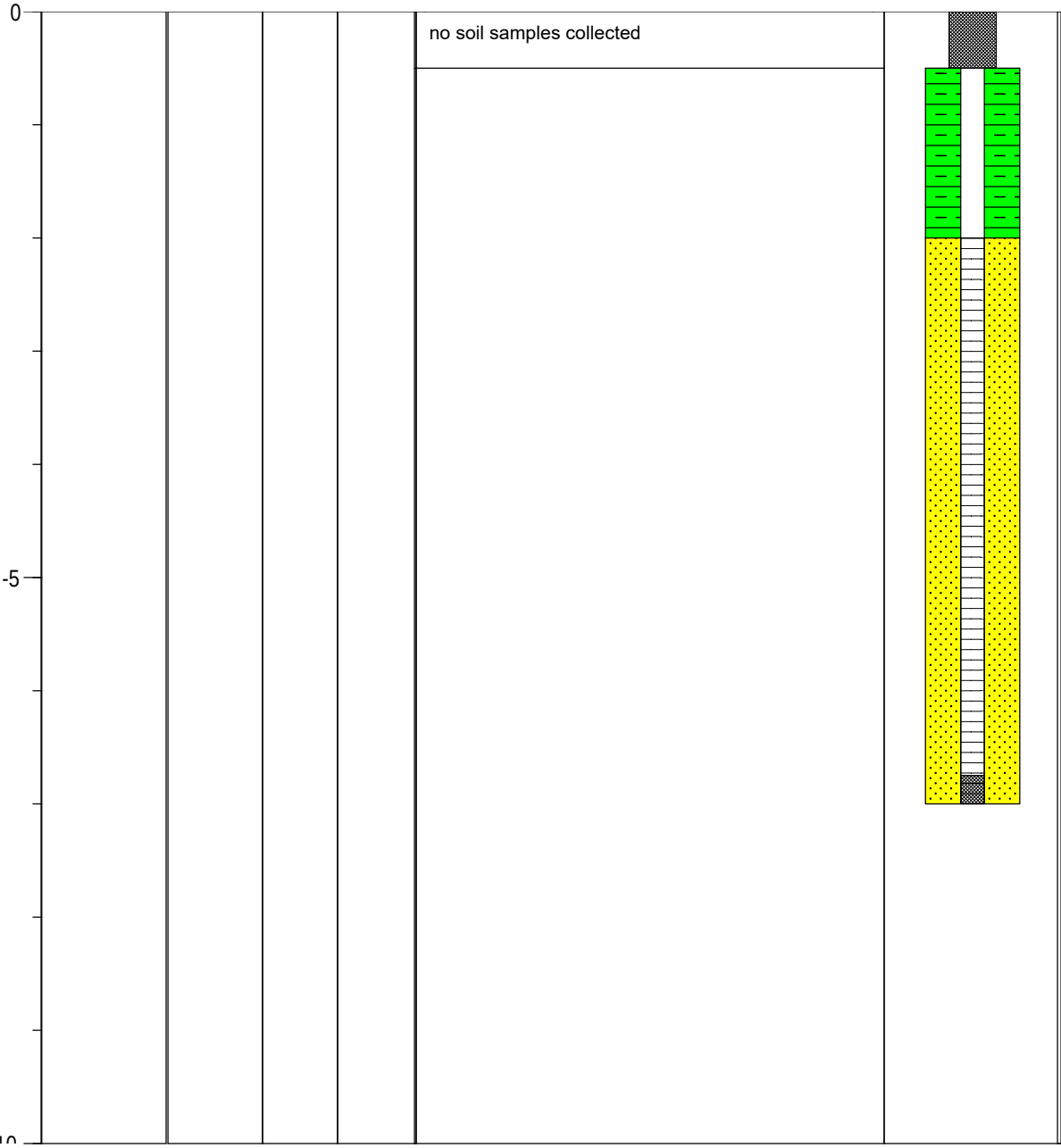
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	08-25-2016

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



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BORING LOG

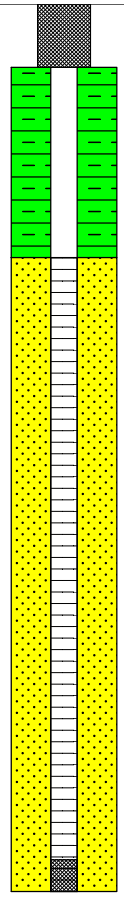
BOREHOLE NO.: **VW-12**

TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	08-25-2016

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							

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BORING LOG

BOREHOLE NO.: **VW-13**

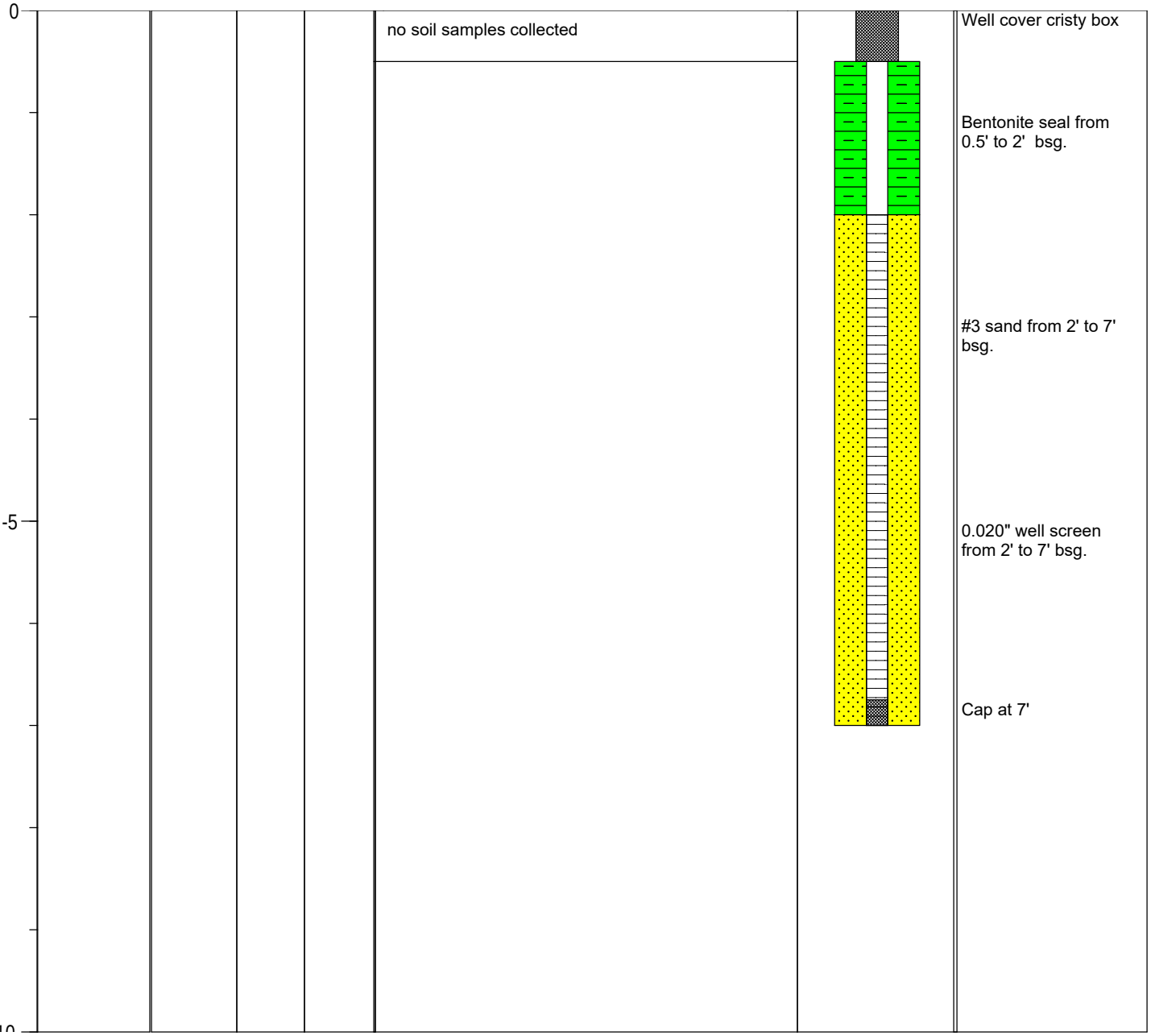
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	08-25-2016

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



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BORING LOG

BOREHOLE NO.: **VW-14**

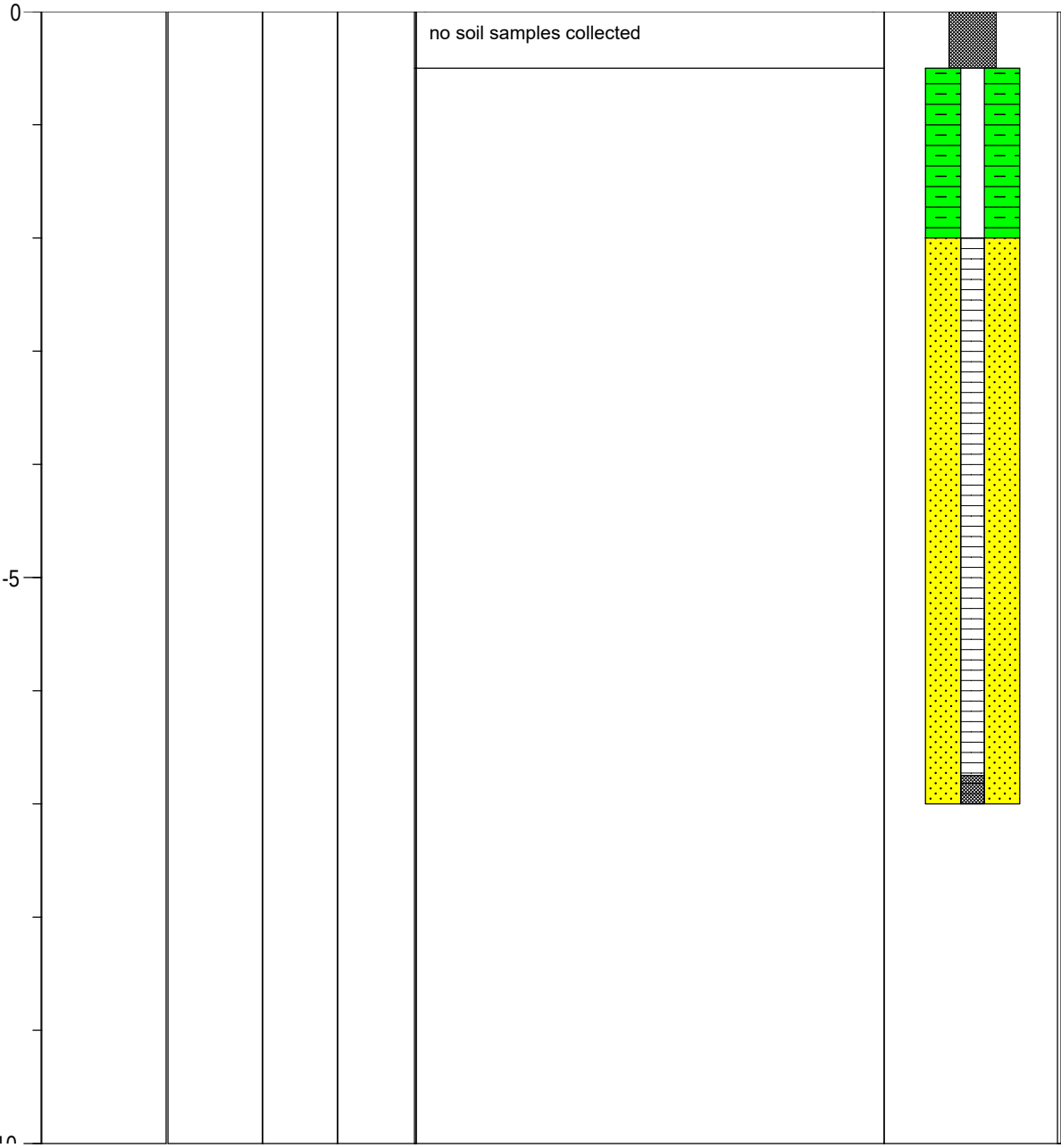
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	08-26-2016

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



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BORING LOG

BOREHOLE NO.: **VW-15**

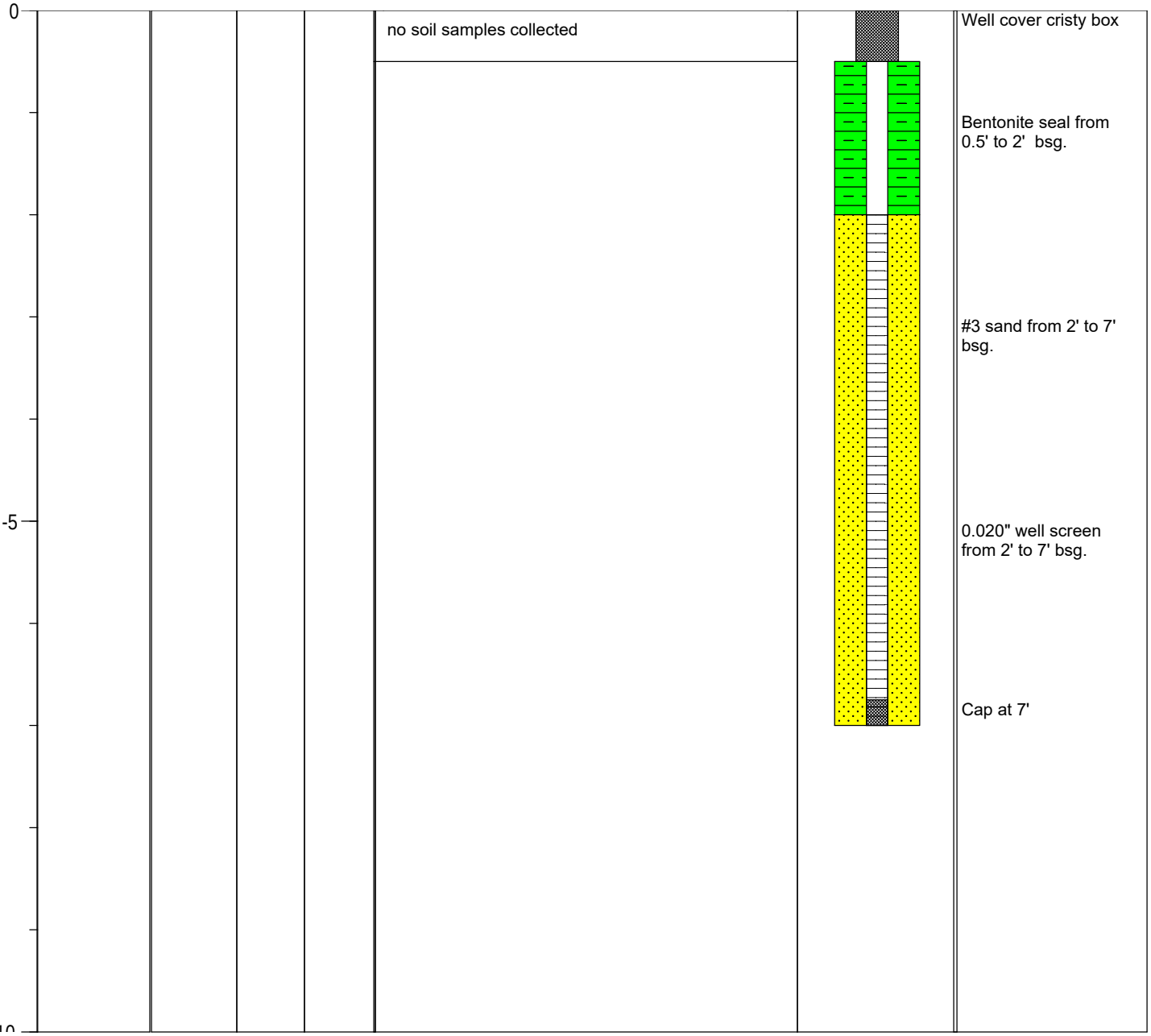
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	08-26-2016

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



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BORING LOG

BOREHOLE NO.: **VW-16**

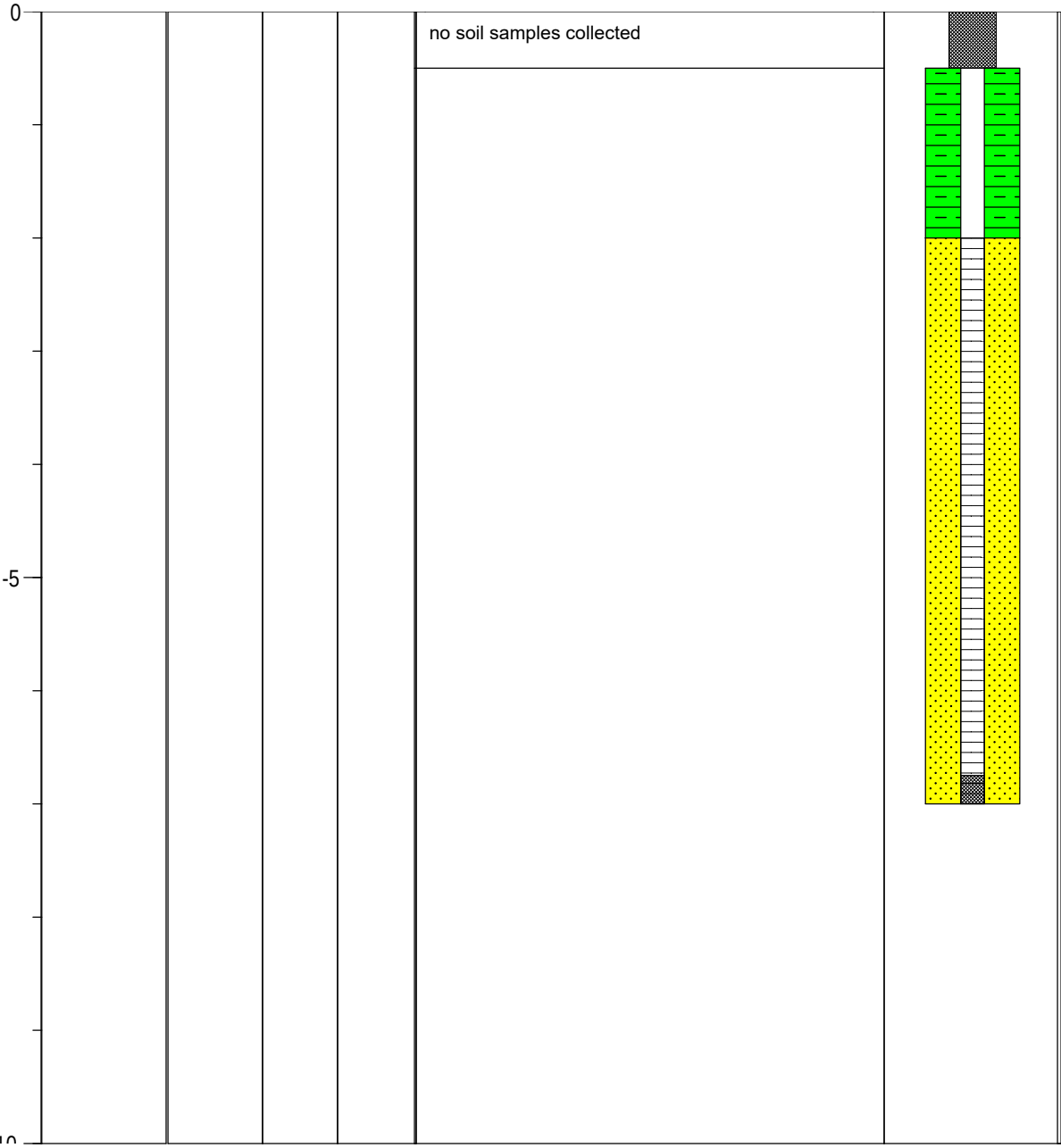
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	08-26-2016

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



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(209) 467-1006 FAX: (209) 467-1118

BORING LOG

BOREHOLE NO.: **VW-17**

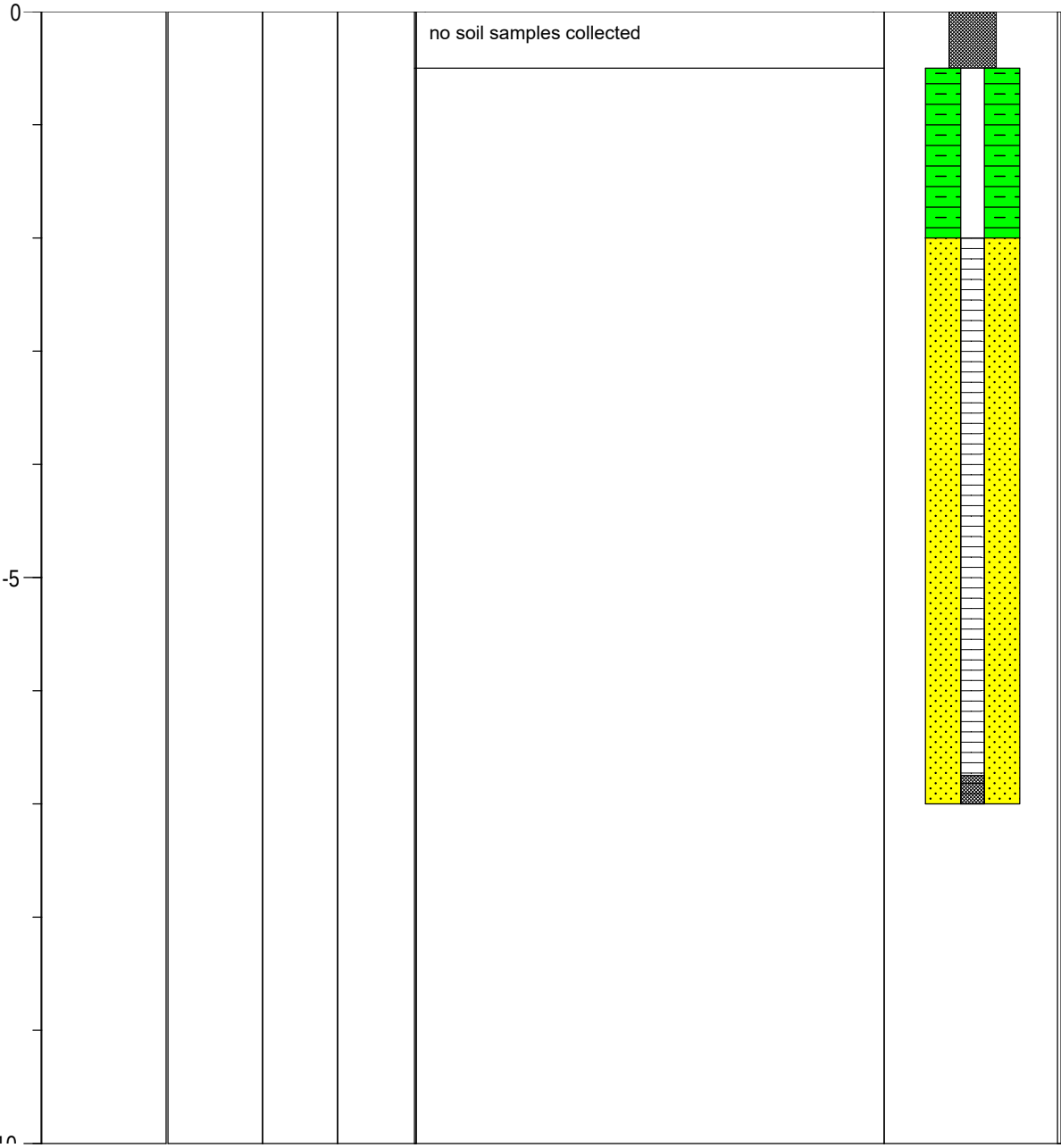
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	08-26-2016

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



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

BORING LOG

BOREHOLE NO.: **VW-18**

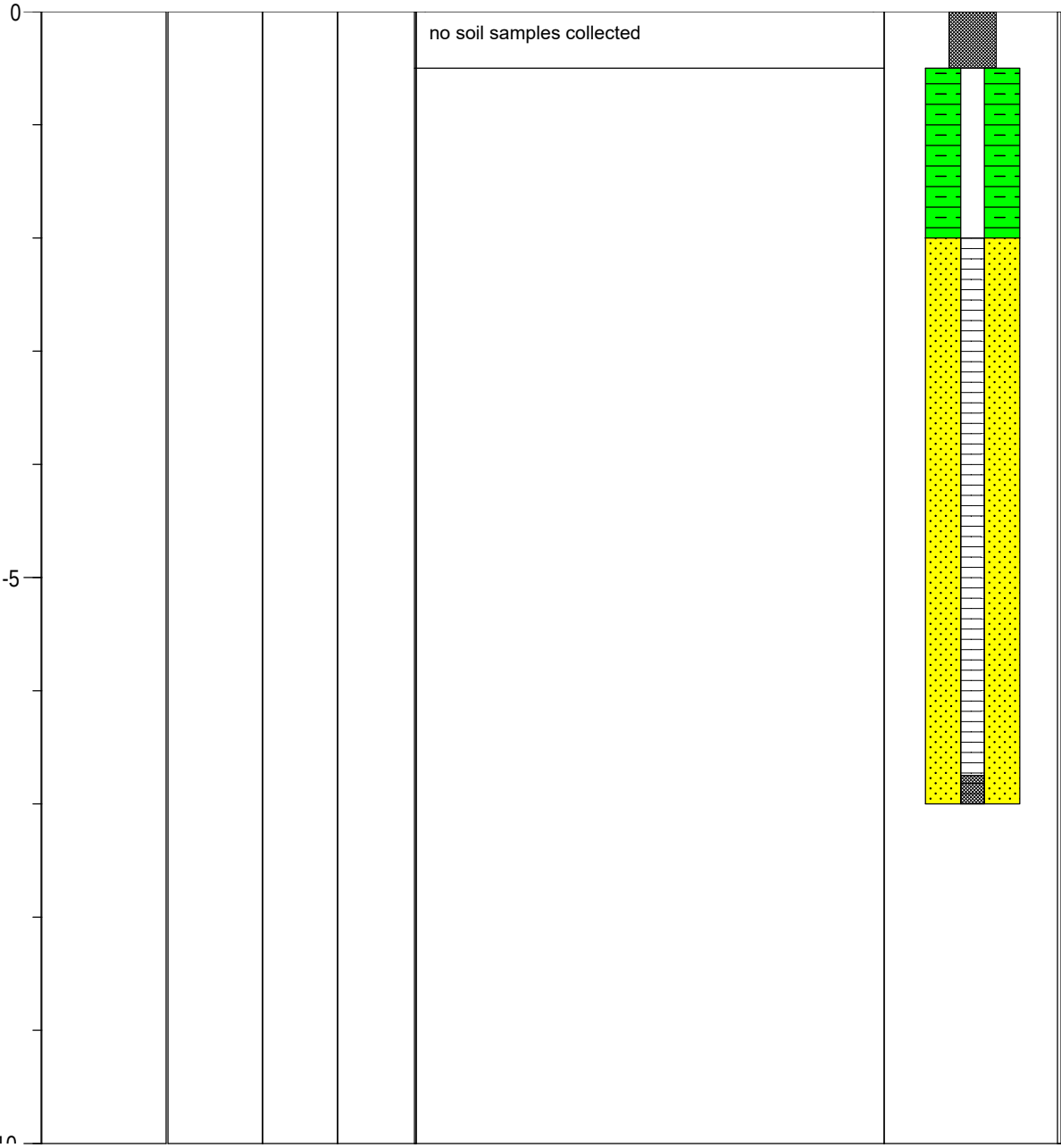
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	08-26-2016

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



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BORING LOG

BOREHOLE NO.: **VW-19**

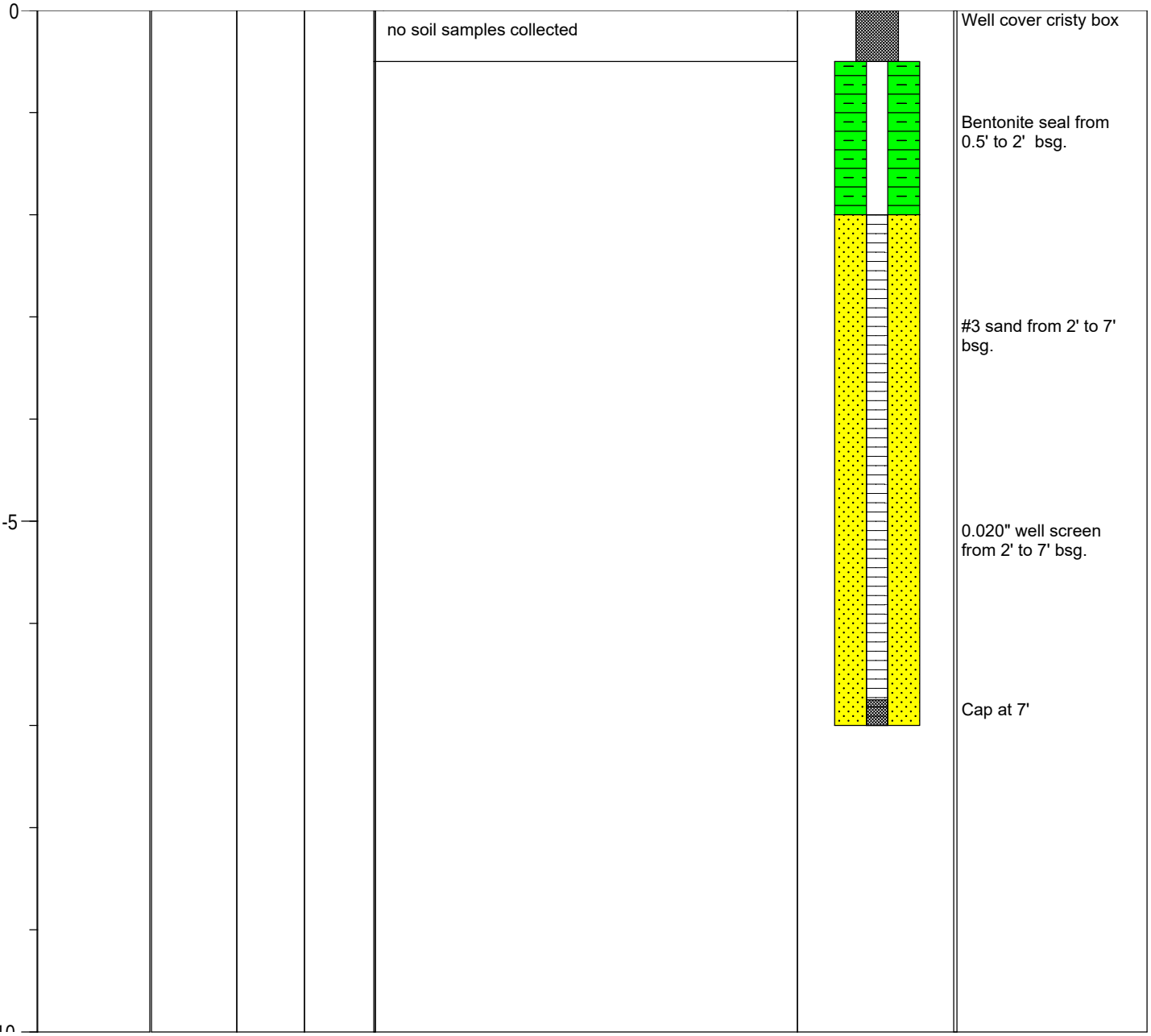
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	08-26-2016

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



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

BORING LOG

BOREHOLE NO.: **VW-20**

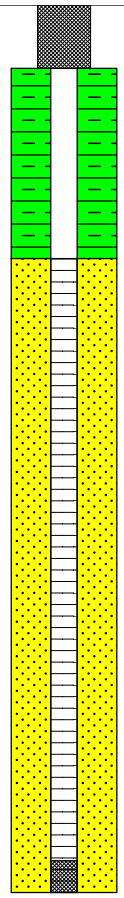
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	08-27-2016

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



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

BORING LOG

BOREHOLE NO.: **VW-21**

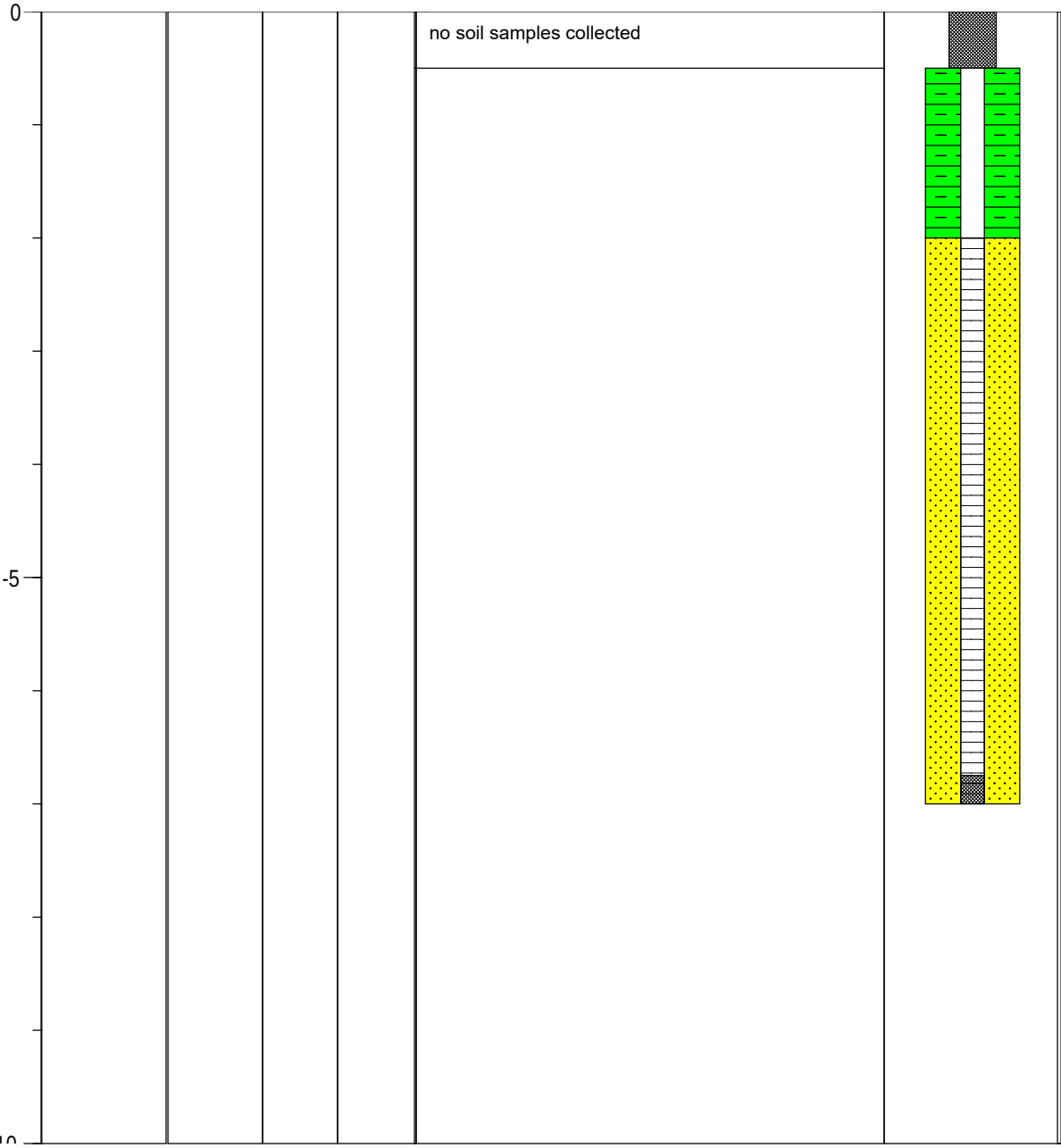
TOTAL DEPTH: **7 feet**

Project:	SWISS VALLEY CLEANERS	Drilling Co.:	All Well Abandonment
Site Location:	1395 MacArthur Boulevard SAN LEANDRO, CALIFORNIA	Rig/Auger Type:	7" Hand Auger
		Logged By:	D. Villanueva
		Reviewed By:	William Little
Project No.:	AGE- 12-2461	Date(s) Drilled:	08-27-2016

Notes: Soil boring completed as 2" soil vapor extraction well.

▽ Water Level Before Drilling
▼ Water Level After Drilling

Depth	Sample ID	Blows (per 6")	PID (ppm)	Soil Symbol	USCS Class and Soil Description	Well Completion	Well Description
0					no soil samples collected		Well cover cristy box Bentonite seal from 0.5' to 2' bsg. #3 sand from 2' to 7' bsg. 0.020" well screen from 2' to 7' bsg. Cap at 7'
-5							
10							



APPENDIX C

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
CAC002829121	1	1-888-785-7225	008827117 FLE

GENERATOR

5. Generator's Name and Mailing Address

ESC Partners, LP
1395 McArthur Blvd.
San Leandro, CA 94577
Generator's Phone: 800-511-8300

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name: Advanced Chemical Transport Inc. (SV)
U.S. EPA ID Number: CAR000070540

7. Transporter 2 Company Name: PATRIOT ENV
U.S. EPA ID Number: CAD053866794

8. Designated Facility Name and Site Address
Advanced Chemical Treatment
6133 Edith Blvd NE
Albuquerque, NM 87107
Facility's Phone: 505-349-5220
U.S. EPA ID Number: NMD002208627

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON RCRA HAZARDOUS WASTE, SOLID (SOIL WITH SOLVENT)	17	DM	9.57	P	352
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

Project Number #0578 Document #: D83756
1)ERG#171; ACT44141 ESA-001-017
17X 55 D/T

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Keith Lindgren — Signature: [signature] — Month: 9 — Day: 18 — Year: 15

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: MARTIN Hernandez — Signature: [signature] — Month: 9 — Day: 18 — Year: 15

Transporter 2 Printed/Typed Name: Rick Perez — Signature: [signature] — Month: 10 — Day: 5 — Year: 15

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: KRIS CUNSH — Signature: [signature] — Month: 10 — Day: 12 — Year: 15

APPENDIX D

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: November 21, 2016

Mr. Daniel Villanueva
Advanced GeoEnvironmental, Inc.
837 Shaw Road
Stockton, CA 95215
Tel(209)467-1006 Fax:(209)467-1118

Project: **Swiss Valley Cleaners**
Lab I.D.: **161115-23, -24**

Dear Mr. Villanueva:

The **analytical results** for the vapor samples, received by our lab on November 15, 2016, (via OnTrac) are attached. The samples were received intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX:VAPOR
DATE SAMPLED:11/14/16
REPORT TO:MR. DANIEL VILLANUEVA
DATE RECEIVED:11/15/16
DATE ANALYZED:11/15/16
DATE REPORTED:11/21/16

SAMPLE I.D.: **Influent/Vapor** LAB I.D.: 161115-23

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 1 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.010
BENZENE	ND	0.0004
BROMOBENZENE	ND	0.001
BROMOCHLOROMETHANE	ND	0.001
BROMODICHLOROMETHANE	ND	0.001
BROMOFORM	ND	0.001
BROMOMETHANE	ND	0.001
2-BUTANONE (MEK)	ND	0.010
N-BUTYLBENZENE	ND	0.001
SEC-BUTYLBENZENE	ND	0.001
TERT-BUTYLBENZENE	ND	0.001
CARBON DISULFIDE	ND	0.005
CARBON TETRACHLORIDE	ND	0.001
CHLOROBENZENE	ND	0.001
CHLOROETHANE	ND	0.001
CHLOROFORM	ND	0.001
CHLOROMETHANE	ND	0.001
2-CHLOROTOLUENE	ND	0.001
4-CHLOROTOLUENE	ND	0.001
DIBROMOCHLOROMETHANE	ND	0.001
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.001
1,2-DIBROMOETHANE	ND	0.001
DIBROMOMETHANE	ND	0.001
1,2-DICHLOROBENZENE	ND	0.001
1,3-DICHLOROBENZENE	ND	0.001
1,4-DICHLOROBENZENE	ND	0.001
DICHLORODIFLUOROMETHANE	ND	0.001
1,1-DICHLOROETHANE	ND	0.001
1,2-DICHLOROETHANE	ND	0.001
1,1-DICHLOROETHENE	ND	0.001
CIS-1,2-DICHLOROETHENE	ND	0.001
TRANS-1,2-DICHLOROETHENE	ND	0.001
1,2-DICHLOROPROPANE	ND	0.001
1,3-DICHLOROPROPANE	ND	0.001

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX: VAPOR
DATE SAMPLED: 11/14/16
REPORT TO: MR. DANIEL VILLANUEVA
DATE RECEIVED: 11/15/16
DATE ANALYZED: 11/15/16
DATE REPORTED: 11/21/16

SAMPLE I.D.: **Influent/Vapor**
LAB I.D.: 161115-23

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 2 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	0.001
1,1-DICHLOROPROPENE	ND	0.001
CIS-1,3-DICHLOROPROPENE	ND	0.001
TRANS-1,3-DICHLOROPROPENE	ND	0.001
ETHYLBENZENE	ND	0.001
2-HEXANONE	ND	0.010
HEXACHLOROBUTADIENE	ND	0.001
ISOPROPYLBENZENE	ND	0.001
4-ISOPROPYLTOLUENE	ND	0.001
4-METHYL-2-PENTANONE (MIBK)	ND	0.010
METHYL tert-BUTYL ETHER (MTBE)	ND	0.003
METHYLENE CHLORIDE	ND	0.005
NAPHTHALENE	ND	0.0003
N-PROPYLBENZENE	ND	0.001
STYRENE	ND	0.001
1,1,1,2-TETRACHLOROETHANE	ND	0.001
1,1,2,2-TETRACHLOROETHANE	ND	0.001
TETRACHLOROETHENE (PCE)	0.013	0.001
TOLUENE	ND	0.001
1,2,3-TRICHLOROBENZENE	ND	0.001
1,2,4-TRICHLOROBENZENE	ND	0.001
1,1,1-TRICHLOROETHANE	ND	0.001
1,1,2-TRICHLOROETHANE	ND	0.001
TRICHLOROETHENE (TCE)	ND	0.001
TRICHLOROFLUOROMETHANE	ND	0.001
1,2,3-TRICHLOROPROPANE	ND	0.001
1,2,4-TRIMETHYLBENZENE	ND	0.001
1,3,5-TRIMETHYLBENZENE	ND	0.001
VINYL CHLORIDE	ND	0.001
M/P-XYLENE	ND	0.002
O-XYLENE	ND	0.001

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX: VAPOR
DATE SAMPLED: 11/14/16
REPORT TO: MR. DANIEL VILLANUEVA
DATE RECEIVED: 11/15/16
DATE ANALYZED: 11/15/16
DATE REPORTED: 11/21/16

SAMPLE I.D.: **Effluent/Vapor** LAB I.D.: 161115-24

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 1 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.010
BENZENE	ND	0.0004
BROMOBENZENE	ND	0.001
BROMOCHLOROMETHANE	ND	0.001
BROMODICHLOROMETHANE	ND	0.001
BROMOFORM	ND	0.001
BROMOMETHANE	ND	0.001
2-BUTANONE (MEK)	ND	0.010
N-BUTYLBENZENE	ND	0.001
SEC-BUTYLBENZENE	ND	0.001
TERT-BUTYLBENZENE	ND	0.001
CARBON DISULFIDE	ND	0.005
CARBON TETRACHLORIDE	ND	0.001
CHLOROBENZENE	ND	0.001
CHLOROETHANE	ND	0.001
CHLOROFORM	ND	0.001
CHLOROMETHANE	ND	0.001
2-CHLOROTOLUENE	ND	0.001
4-CHLOROTOLUENE	ND	0.001
DIBROMOCHLOROMETHANE	ND	0.001
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.001
1,2-DIBROMOETHANE	ND	0.001
DIBROMOMETHANE	ND	0.001
1,2-DICHLOROBENZENE	ND	0.001
1,3-DICHLOROBENZENE	ND	0.001
1,4-DICHLOROBENZENE	ND	0.001
DICHLORODIFLUOROMETHANE	ND	0.001
1,1-DICHLOROETHANE	ND	0.001
1,2-DICHLOROETHANE	ND	0.001
1,1-DICHLOROETHENE	ND	0.001
CIS-1,2-DICHLOROETHENE	ND	0.001
TRANS-1,2-DICHLOROETHENE	ND	0.001
1,2-DICHLOROPROPANE	ND	0.001
1,3-DICHLOROPROPANE	ND	0.001

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX: VAPOR
DATE SAMPLED: 11/14/16
REPORT TO: MR. DANIEL VILLANUEVA
DATE RECEIVED: 11/15/16
DATE ANALYZED: 11/15/16
DATE REPORTED: 11/21/16

SAMPLE I.D.: **Effluent/Vapor** LAB I.D.: 161115-24

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 2 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	0.001
1,1-DICHLOROPROPENE	ND	0.001
CIS-1,3-DICHLOROPROPENE	ND	0.001
TRANS-1,3-DICHLOROPROPENE	ND	0.001
ETHYLBENZENE	ND	0.001
2-HEXANONE	ND	0.010
HEXACHLOROBUTADIENE	ND	0.001
ISOPROPYLBENZENE	ND	0.001
4-ISOPROPYLTOLUENE	ND	0.001
4-METHYL-2-PENTANONE (MIBK)	ND	0.010
METHYL tert-BUTYL ETHER (MTBE)	ND	0.003
METHYLENE CHLORIDE	ND	0.005
NAPHTHALENE	ND	0.0003
N-PROPYLBENZENE	ND	0.001
STYRENE	ND	0.001
1,1,1,2-TETRACHLOROETHANE	ND	0.001
1,1,2,2-TETRACHLOROETHANE	ND	0.001
TETRACHLOROETHENE (PCE)	ND	0.001
TOLUENE	ND	0.001
1,2,3-TRICHLOROBENZENE	ND	0.001
1,2,4-TRICHLOROBENZENE	ND	0.001
1,1,1-TRICHLOROETHANE	ND	0.001
1,1,2-TRICHLOROETHANE	ND	0.001
TRICHLOROETHENE (TCE)	ND	0.001
TRICHLOROFLUOROMETHANE	ND	0.001
1,2,3-TRICHLOROPROPANE	ND	0.001
1,2,4-TRIMETHYLBENZENE	ND	0.001
1,3,5-TRIMETHYLBENZENE	ND	0.001
VINYL CHLORIDE	ND	0.001
M/P-XYLENE	ND	0.002
O-XYLENE	ND	0.001

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX: VAPOR
DATE SAMPLED: 11/14/16
REPORT TO: MR. DANIEL VILLANUEVA

DATE RECEIVED: 11/15/16
DATE ANALYZED: 11/15/16
DATE REPORTED: 11/21/16

METHOD BLANK REPORT FOR LAB I.D.: 161115-23, -24

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 1 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.010
BENZENE	ND	0.0004
BROMOBENZENE	ND	0.001
BROMOCHLOROMETHANE	ND	0.001
BROMODICHLOROMETHANE	ND	0.001
BROMOFORM	ND	0.001
BROMOMETHANE	ND	0.001
2-BUTANONE (MEK)	ND	0.010
N-BUTYLBENZENE	ND	0.001
SEC-BUTYLBENZENE	ND	0.001
TERT-BUTYLBENZENE	ND	0.001
CARBON DISULFIDE	ND	0.005
CARBON TETRACHLORIDE	ND	0.001
CHLOROBENZENE	ND	0.001
CHLOROETHANE	ND	0.001
CHLOROFORM	ND	0.001
CHLOROMETHANE	ND	0.001
2-CHLOROTOLUENE	ND	0.001
4-CHLOROTOLUENE	ND	0.001
DIBROMOCHLOROMETHANE	ND	0.001
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.001
1,2-DIBROMOETHANE	ND	0.001
DIBROMOMETHANE	ND	0.001
1,2-DICHLOROBENZENE	ND	0.001
1,3-DICHLOROBENZENE	ND	0.001
1,4-DICHLOROBENZENE	ND	0.001
DICHLORODIFLUOROMETHANE	ND	0.001
1,1-DICHLOROETHANE	ND	0.001
1,2-DICHLOROETHANE	ND	0.001
1,1-DICHLOROETHENE	ND	0.001
CIS-1,2-DICHLOROETHENE	ND	0.001
TRANS-1,2-DICHLOROETHENE	ND	0.001
1,2-DICHLOROPROPANE	ND	0.001
1,3-DICHLOROPROPANE	ND	0.001

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX:VAPOR
DATE SAMPLED:11/14/16
REPORT TO:MR. DANIEL VILLANUEVA
DATE RECEIVED:11/15/16
DATE ANALYZED:11/15/16
DATE REPORTED:11/21/16

METHOD BLANK REPORT FOR LAB I.D.: 161115-23, -24

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 2 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	0.001
1,1-DICHLOROPROPENE	ND	0.001
CIS-1,3-DICHLOROPROPENE	ND	0.001
TRANS-1,3-DICHLOROPROPENE	ND	0.001
ETHYLBENZENE	ND	0.001
2-HEXANONE	ND	0.010
HEXACHLOROBUTADIENE	ND	0.001
ISOPROPYLBENZENE	ND	0.001
4-ISOPROPYLTOLUENE	ND	0.001
4-METHYL-2-PENTANONE (MIBK)	ND	0.010
METHYL tert-BUTYL ETHER (MTBE)	ND	0.003
METHYLENE CHLORIDE	ND	0.005
NAPHTHALENE	ND	0.0003
N-PROPYLBENZENE	ND	0.001
STYRENE	ND	0.001
1,1,1,2-TETRACHLOROETHANE	ND	0.001
1,1,2,2-TETRACHLOROETHANE	ND	0.001
TETRACHLOROETHENE (PCE)	ND	0.001
TOLUENE	ND	0.001
1,2,3-TRICHLOROBENZENE	ND	0.001
1,2,4-TRICHLOROBENZENE	ND	0.001
1,1,1-TRICHLOROETHANE	ND	0.001
1,1,2-TRICHLOROETHANE	ND	0.001
TRICHLOROETHENE (TCE)	ND	0.001
TRICHLOROFLUOROMETHANE	ND	0.001
1,2,3-TRICHLOROPROPANE	ND	0.001
1,2,4-TRIMETHYLBENZENE	ND	0.001
1,3,5-TRIMETHYLBENZENE	ND	0.001
VINYL CHLORIDE	ND	0.001
M/P-XYLENE	ND	0.002
O-XYLENE	ND	0.001

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: 11/15/2016 **Matrix:** Water/Vapor
Machine: B **Unit:** ug/L (PPB)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 161115-4 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	25.0	30.8	123%	29.8	119%	4%	75-125	0-20
Chlorobenzene	0	25.0	29.4	118%	28.5	114%	4%	75-125	0-20
1,1-Dichloroethene	0	25.0	22.4	90%	22.7	91%	1%	75-125	0-20
Toluene	0	25.0	27.7	111%	27.0	108%	3%	75-125	0-20
Trichloroethene (TCE)	0	25.0	26.6	106%	25.8	103%	3%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	25.0	30.9	124%	75-125
Chlorobenzene	25.0	25.4	102%	75-125
Chloroform	25.0	26.5	106%	75-125
1,1-Dichlorothene	25.0	30.5	122%	75-125
Ethylbenzene	25.0	28.3	113%	75-125
o-Xylene	25.0	28.2	113%	75-125
m,p-Xylene	50.0	62.1	124%	75-125
Toluene	25.0	26.3	105%	75-125
1,1,1-Trichloroethane	25.0	27.6	110%	75-125
Trichloroethene (TCE)	25.0	24.5	98%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**M-BLK**	**161115-23**	**161115-24**				
Dibromofluoromethane	25.0	70-130	104%	110%	110%				
Toluene-d8	25.0	70-130	100%	101%	102%				
4-Bromofluorobenzene	25.0	70-130	82%	83%	81%				

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	70-130							
Toluene-d8	25.0	70-130							
4-Bromofluorobenzene	25.0	70-130							

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	70-130							
Toluene-d8	25.0	70-130							
4-Bromofluorobenzene	25.0	70-130							

S = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.
S.R. = Sample Results *%RC = Percent Recovery*
Spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

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: 11/14/16 Page 1 of 1

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

Analysis Required

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	VOCs 8260									
Influent/Vapor	11/14/16	1357	A	1	161115-23	X									
Effluent/Vapor	11/14/16	1400	A	1	↓ -24	X									

Relinquished by: Rick Matt	Date: 11/14/16	Time: 1540	Laboratory: Envirochem	
Courier: OnTrac			Received by: Edward	Date: 14/15/2016 Time: 10:30
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.

Rick Matt

Geotracker EDF to: [x] geotracker@advgeoenv.com [ ] _____ Global ID:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: November 23, 2016

Mr. Daniel Villanueva
Advanced GeoEnvironmental, Inc.
837 Shaw Road
Stockton, CA 95215
Tel(209)467-1006 Fax:(209)467-1118

Project: **Swiss Valley Cleaners**
Lab I.D.: **161116-6, -7**

Dear Mr. Villanueva:

The **analytical results** for the vapor samples, received by our lab on November 16, 2016, (via OnTrac) are attached. The samples were received intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX: VAPOR
DATE SAMPLED: 11/15/16
REPORT TO: MR. DANIEL VILLANUEVA
DATE RECEIVED: 11/16/16
DATE ANALYZED: 11/16/16
DATE REPORTED: 11/23/16

SAMPLE I.D.: **Influent/Vapor** LAB I.D.: 161116-6

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 1 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.010
BENZENE	ND	0.0004
BROMOBENZENE	ND	0.001
BROMOCHLOROMETHANE	ND	0.001
BROMODICHLOROMETHANE	ND	0.001
BROMOFORM	ND	0.001
BROMOMETHANE	ND	0.001
2-BUTANONE (MEK)	ND	0.010
N-BUTYLBENZENE	ND	0.001
SEC-BUTYLBENZENE	ND	0.001
TERT-BUTYLBENZENE	ND	0.001
CARBON DISULFIDE	ND	0.005
CARBON TETRACHLORIDE	ND	0.001
CHLOROBENZENE	ND	0.001
CHLOROETHANE	ND	0.001
CHLOROFORM	ND	0.001
CHLOROMETHANE	ND	0.001
2-CHLOROTOLUENE	ND	0.001
4-CHLOROTOLUENE	ND	0.001
DIBROMOCHLOROMETHANE	ND	0.001
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.001
1,2-DIBROMOETHANE	ND	0.001
DIBROMOMETHANE	ND	0.001
1,2-DICHLOROBENZENE	ND	0.001
1,3-DICHLOROBENZENE	ND	0.001
1,4-DICHLOROBENZENE	ND	0.001
DICHLORODIFLUOROMETHANE	ND	0.001
1,1-DICHLOROETHANE	ND	0.001
1,2-DICHLOROETHANE	ND	0.001
1,1-DICHLOROETHENE	ND	0.001
CIS-1,2-DICHLOROETHENE	ND	0.001
TRANS-1,2-DICHLOROETHENE	ND	0.001
1,2-DICHLOROPROPANE	ND	0.001
1,3-DICHLOROPROPANE	ND	0.001

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX: VAPOR
DATE SAMPLED: 11/15/16
REPORT TO: MR. DANIEL VILLANUEVA
DATE RECEIVED: 11/16/16
DATE ANALYZED: 11/16/16
DATE REPORTED: 11/23/16

SAMPLE I.D.: **Influent/Vapor** LAB I.D.: 161116-6

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 2 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	0.001
1,1-DICHLOROPROPENE	ND	0.001
CIS-1,3-DICHLOROPROPENE	ND	0.001
TRANS-1,3-DICHLOROPROPENE	ND	0.001
ETHYLBENZENE	ND	0.001
2-HEXANONE	ND	0.010
HEXACHLOROBUTADIENE	ND	0.001
ISOPROPYLBENZENE	ND	0.001
4-ISOPROPYLTOLUENE	ND	0.001
4-METHYL-2-PENTANONE (MIBK)	ND	0.010
METHYL tert-BUTYL ETHER (MTBE)	ND	0.003
METHYLENE CHLORIDE	ND	0.005
NAPHTHALENE	ND	0.0003
N-PROPYLBENZENE	ND	0.001
STYRENE	ND	0.001
1,1,1,2-TETRACHLOROETHANE	ND	0.001
1,1,2,2-TETRACHLOROETHANE	ND	0.001
TETRACHLOROETHENE (PCE)	0.005	0.001
TOLUENE	ND	0.001
1,2,3-TRICHLOROBENZENE	ND	0.001
1,2,4-TRICHLOROBENZENE	ND	0.001
1,1,1-TRICHLOROETHANE	ND	0.001
1,1,2-TRICHLOROETHANE	ND	0.001
TRICHLOROETHENE (TCE)	ND	0.001
TRICHLOROFLUOROMETHANE	ND	0.001
1,2,3-TRICHLOROPROPANE	ND	0.001
1,2,4-TRIMETHYLBENZENE	ND	0.001
1,3,5-TRIMETHYLBENZENE	ND	0.001
VINYL CHLORIDE	ND	0.001
M/P-XYLENE	ND	0.002
O-XYLENE	ND	0.001

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX: VAPOR
DATE SAMPLED: 11/15/16
REPORT TO: MR. DANIEL VILLANUEVA
DATE RECEIVED: 11/16/16
DATE ANALYZED: 11/16/16
DATE REPORTED: 11/23/16

SAMPLE I.D.: **Effluent/Vapor** LAB I.D.: 161116-7

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 1 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.010
BENZENE	ND	0.0004
BROMOBENZENE	ND	0.001
BROMOCHLOROMETHANE	ND	0.001
BROMODICHLOROMETHANE	ND	0.001
BROMOFORM	ND	0.001
BROMOMETHANE	ND	0.001
2-BUTANONE (MEK)	ND	0.010
N-BUTYLBENZENE	ND	0.001
SEC-BUTYLBENZENE	ND	0.001
TERT-BUTYLBENZENE	ND	0.001
CARBON DISULFIDE	ND	0.005
CARBON TETRACHLORIDE	ND	0.001
CHLOROBENZENE	ND	0.001
CHLOROETHANE	ND	0.001
CHLOROFORM	ND	0.001
CHLOROMETHANE	ND	0.001
2-CHLOROTOLUENE	ND	0.001
4-CHLOROTOLUENE	ND	0.001
DIBROMOCHLOROMETHANE	ND	0.001
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.001
1,2-DIBROMOETHANE	ND	0.001
DIBROMOMETHANE	ND	0.001
1,2-DICHLOROBENZENE	ND	0.001
1,3-DICHLOROBENZENE	ND	0.001
1,4-DICHLOROBENZENE	ND	0.001
DICHLORODIFLUOROMETHANE	ND	0.001
1,1-DICHLOROETHANE	ND	0.001
1,2-DICHLOROETHANE	ND	0.001
1,1-DICHLOROETHENE	ND	0.001
CIS-1,2-DICHLOROETHENE	ND	0.001
TRANS-1,2-DICHLOROETHENE	ND	0.001
1,2-DICHLOROPROPANE	ND	0.001
1,3-DICHLOROPROPANE	ND	0.001

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX:VAPOR
DATE SAMPLED:11/15/16
REPORT TO:MR. DANIEL VILLANUEVA
DATE RECEIVED:11/16/16
DATE ANALYZED:11/16/16
DATE REPORTED:11/23/16

SAMPLE I.D.: **Effluent/Vapor** LAB I.D.: 161116-7

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 2 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	0.001
1,1-DICHLOROPROPENE	ND	0.001
CIS-1,3-DICHLOROPROPENE	ND	0.001
TRANS-1,3-DICHLOROPROPENE	ND	0.001
ETHYLBENZENE	ND	0.001
2-HEXANONE	ND	0.010
HEXACHLOROBUTADIENE	ND	0.001
ISOPROPYLBENZENE	ND	0.001
4-ISOPROPYLTOLUENE	ND	0.001
4-METHYL-2-PENTANONE (MIBK)	ND	0.010
METHYL tert-BUTYL ETHER (MTBE)	ND	0.003
METHYLENE CHLORIDE	ND	0.005
NAPHTHALENE	ND	0.0003
N-PROPYLBENZENE	ND	0.001
STYRENE	ND	0.001
1,1,1,2-TETRACHLOROETHANE	ND	0.001
1,1,2,2-TETRACHLOROETHANE	ND	0.001
TETRACHLOROETHENE (PCE)	ND	0.001
TOLUENE	ND	0.001
1,2,3-TRICHLOROBENZENE	ND	0.001
1,2,4-TRICHLOROBENZENE	ND	0.001
1,1,1-TRICHLOROETHANE	ND	0.001
1,1,2-TRICHLOROETHANE	ND	0.001
TRICHLOROETHENE (TCE)	ND	0.001
TRICHLOROFLUOROMETHANE	ND	0.001
1,2,3-TRICHLOROPROPANE	ND	0.001
1,2,4-TRIMETHYLBENZENE	ND	0.001
1,3,5-TRIMETHYLBENZENE	ND	0.001
VINYL CHLORIDE	ND	0.001
M/P-XYLENE	ND	0.002
O-XYLENE	ND	0.001

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX: VAPOR
DATE SAMPLED: 11/15/16
REPORT TO: MR. DANIEL VILLANUEVA
DATE RECEIVED: 11/16/16
DATE ANALYZED: 11/16/16
DATE REPORTED: 11/23/16

METHOD BLANK REPORT FOR LAB I.D.: 161116-6, -7

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 1 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.010
BENZENE	ND	0.0004
BROMOBENZENE	ND	0.001
BROMOCHLOROMETHANE	ND	0.001
BROMODICHLOROMETHANE	ND	0.001
BROMOFORM	ND	0.001
BROMOMETHANE	ND	0.001
2-BUTANONE (MEK)	ND	0.010
N-BUTYLBENZENE	ND	0.001
SEC-BUTYLBENZENE	ND	0.001
TERT-BUTYLBENZENE	ND	0.001
CARBON DISULFIDE	ND	0.005
CARBON TETRACHLORIDE	ND	0.001
CHLOROBENZENE	ND	0.001
CHLOROETHANE	ND	0.001
CHLOROFORM	ND	0.001
CHLOROMETHANE	ND	0.001
2-CHLOROTOLUENE	ND	0.001
4-CHLOROTOLUENE	ND	0.001
DIBROMOCHLOROMETHANE	ND	0.001
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.001
1,2-DIBROMOETHANE	ND	0.001
DIBROMOMETHANE	ND	0.001
1,2-DICHLOROBENZENE	ND	0.001
1,3-DICHLOROBENZENE	ND	0.001
1,4-DICHLOROBENZENE	ND	0.001
DICHLORODIFLUOROMETHANE	ND	0.001
1,1-DICHLOROETHANE	ND	0.001
1,2-DICHLOROETHANE	ND	0.001
1,1-DICHLOROETHENE	ND	0.001
CIS-1,2-DICHLOROETHENE	ND	0.001
TRANS-1,2-DICHLOROETHENE	ND	0.001
1,2-DICHLOROPROPANE	ND	0.001
1,3-DICHLOROPROPANE	ND	0.001

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX:VAPOR
DATE SAMPLED:11/15/16
REPORT TO:MR. DANIEL VILLANUEVA
DATE RECEIVED:11/16/16
DATE ANALYZED:11/16/16
DATE REPORTED:11/23/16

METHOD BLANK REPORT FOR LAB I.D.: 161116-6, -7

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 2 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	0.001
1,1-DICHLOROPROPENE	ND	0.001
CIS-1,3-DICHLOROPROPENE	ND	0.001
TRANS-1,3-DICHLOROPROPENE	ND	0.001
ETHYLBENZENE	ND	0.001
2-HEXANONE	ND	0.010
HEXACHLOROBUTADIENE	ND	0.001
ISOPROPYLBENZENE	ND	0.001
4-ISOPROPYLTOLUENE	ND	0.001
4-METHYL-2-PENTANONE (MIBK)	ND	0.010
METHYL tert-BUTYL ETHER (MTBE)	ND	0.003
METHYLENE CHLORIDE	ND	0.005
NAPHTHALENE	ND	0.0003
N-PROPYLBENZENE	ND	0.001
STYRENE	ND	0.001
1,1,1,2-TETRACHLOROETHANE	ND	0.001
1,1,2,2-TETRACHLOROETHANE	ND	0.001
TETRACHLOROETHENE (PCE)	ND	0.001
TOLUENE	ND	0.001
1,2,3-TRICHLOROBENZENE	ND	0.001
1,2,4-TRICHLOROBENZENE	ND	0.001
1,1,1-TRICHLOROETHANE	ND	0.001
1,1,2-TRICHLOROETHANE	ND	0.001
TRICHLOROETHENE (TCE)	ND	0.001
TRICHLOROFLUOROMETHANE	ND	0.001
1,2,3-TRICHLOROPROPANE	ND	0.001
1,2,4-TRIMETHYLBENZENE	ND	0.001
1,3,5-TRIMETHYLBENZENE	ND	0.001
VINYL CHLORIDE	ND	0.001
M/P-XYLENE	ND	0.002
O-XYLENE	ND	0.001

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: 11/16-17/2016 **Matrix:** Water/Vapor
Machine: B **Unit:** ug/L (PPB)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 161115-88 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	25.0	30.5	122%	31.0	124%	2%	75-125	0-20
Chlorobenzene	0	25.0	26.6	106%	28.7	115%	8%	75-125	0-20
1,1-Dichloroethene	0	25.0	30.8	123%	30.9	124%	0%	75-125	0-20
Toluene	0	25.0	28.7	115%	26.9	108%	7%	75-125	0-20
Trichloroethene (TCE)	0	25.0	23.4	94%	23.3	93%	0%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	25.0	26.6	106%	75-125
Chlorobenzene	25.0	27.6	110%	75-125
Chloroform	25.0	31.0	124%	75-125
1,1-Dichlorothene	25.0	30.3	121%	75-125
Ethylbenzene	25.0	30.5	122%	75-125
o-Xylene	25.0	30.3	121%	75-125
m,p-Xylene	50.0	60.8	122%	75-125
Toluene	25.0	22.3	89%	75-125
1,1,1-Trichloroethane	25.0	31.2	125%	75-125
Trichloroethene (TCE)	25.0	19.3	77%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	161116-6	161116-7	161116-21	161116-22	161116-23	161116-24
Dibromofluoromethane	25.0	70-130	124%	139*%	133*%	126%	127%	116%	114%
Toluene-d8	25.0	70-130	102%	103%	104%	104%	108%	108%	107%
4-Bromofluorobenzene	25.0	70-130	74%	72%	74%	71%	70%	72%	72%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	70-130							
Toluene-d8	25.0	70-130							
4-Bromofluorobenzene	25.0	70-130							

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	70-130							
Toluene-d8	25.0	70-130							
4-Bromofluorobenzene	25.0	70-130							

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
Spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

Advanced GeoEnvironmental, Inc.

www.advgeoenv.com

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☐ 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979

☐ _____

CHAIN OF CUSTODY RECORD

Date: 11/15/16 Page 1 of 1

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

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs by 8260
Influent/vapor	11/15/16	1352	A	1	161116-6	X
Effluent/vapor	11/15/16	1355	A	1	-7	X

Relinquished by: Rick Matz	Date: 11/15/16	Time: 1540	Laboratory: EnviroChem		
Courier: CONTRACT			Received by: Edward	Date: 11/16/2016	Time: 0918
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.

Rick Matz

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

Global ID:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: November 28, 2016

Mr. Daniel Villanueva
Advanced GeoEnvironmental, Inc.
837 Shaw Road
Stockton, CA 95215
Tel(209)467-1006 Fax:(209)467-1118

Project: **Swiss Valley Cleaners**
Lab I.D.: **161117-7, -8**

Dear Mr. Villanueva:

The **analytical results** for the vapor samples, received by our lab on November 17, 2016, (via OnTrac) are attached. The samples were received intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel (209) 467-1006 Fax (209) 467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX: VAPOR
DATE SAMPLED: 11/16/16
REPORT TO: MR. DANIEL VILLANUEVA
DATE RECEIVED: 11/17/16
DATE ANALYZED: 11/17/16
DATE REPORTED: 11/28/16

SAMPLE I.D.: **Influent/Vapor** LAB I.D.: 161117-7

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 1 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.010
BENZENE	ND	0.0004
BROMOBENZENE	ND	0.001
BROMOCHLOROMETHANE	ND	0.001
BROMODICHLOROMETHANE	ND	0.001
BROMOFORM	ND	0.001
BROMOMETHANE	ND	0.001
2-BUTANONE (MEK)	ND	0.010
N-BUTYLBENZENE	ND	0.001
SEC-BUTYLBENZENE	ND	0.001
TERT-BUTYLBENZENE	ND	0.001
CARBON DISULFIDE	ND	0.005
CARBON TETRACHLORIDE	ND	0.001
CHLOROBENZENE	ND	0.001
CHLOROETHANE	ND	0.001
CHLOROFORM	ND	0.001
CHLOROMETHANE	ND	0.001
2-CHLOROTOLUENE	ND	0.001
4-CHLOROTOLUENE	ND	0.001
DIBROMOCHLOROMETHANE	ND	0.001
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.001
1,2-DIBROMOETHANE	ND	0.001
DIBROMOMETHANE	ND	0.001
1,2-DICHLOROBENZENE	ND	0.001
1,3-DICHLOROBENZENE	ND	0.001
1,4-DICHLOROBENZENE	ND	0.001
DICHLORODIFLUOROMETHANE	ND	0.001
1,1-DICHLOROETHANE	ND	0.001
1,2-DICHLOROETHANE	ND	0.001
1,1-DICHLOROETHENE	ND	0.001
CIS-1,2-DICHLOROETHENE	ND	0.001
TRANS-1,2-DICHLOROETHENE	ND	0.001
1,2-DICHLOROPROPANE	ND	0.001
1,3-DICHLOROPROPANE	ND	0.001

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX:VAPOR
DATE SAMPLED:11/16/16
REPORT TO:MR. DANIEL VILLANUEVA
DATE RECEIVED:11/17/16
DATE ANALYZED:11/17/16
DATE REPORTED:11/28/16

SAMPLE I.D.: **Influent/Vapor**
LAB I.D.: 161117-7

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 2 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	0.001
1,1-DICHLOROPROPENE	ND	0.001
CIS-1,3-DICHLOROPROPENE	ND	0.001
TRANS-1,3-DICHLOROPROPENE	ND	0.001
ETHYLBENZENE	ND	0.001
2-HEXANONE	ND	0.010
HEXACHLOROBUTADIENE	ND	0.001
ISOPROPYLBENZENE	ND	0.001
4-ISOPROPYLTOLUENE	ND	0.001
4-METHYL-2-PENTANONE (MIBK)	ND	0.010
METHYL tert-BUTYL ETHER (MTBE)	ND	0.003
METHYLENE CHLORIDE	ND	0.005
NAPHTHALENE	ND	0.0003
N-PROPYLBENZENE	ND	0.001
STYRENE	ND	0.001
1,1,1,2-TETRACHLOROETHANE	ND	0.001
1,1,2,2-TETRACHLOROETHANE	ND	0.001
TETRACHLOROETHENE (PCE)	0.006	0.001
TOLUENE	ND	0.001
1,2,3-TRICHLOROBENZENE	ND	0.001
1,2,4-TRICHLOROBENZENE	ND	0.001
1,1,1-TRICHLOROETHANE	ND	0.001
1,1,2-TRICHLOROETHANE	ND	0.001
TRICHLOROETHENE (TCE)	ND	0.001
TRICHLOROFLUOROMETHANE	ND	0.001
1,2,3-TRICHLOROPROPANE	ND	0.001
1,2,4-TRIMETHYLBENZENE	ND	0.001
1,3,5-TRIMETHYLBENZENE	ND	0.001
VINYL CHLORIDE	ND	0.001
M/P-XYLENE	ND	0.002
O-XYLENE	ND	0.001

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX:VAPOR
DATE SAMPLED:11/16/16
REPORT TO:MR. DANIEL VILLANUEVA
DATE RECEIVED:11/17/16
DATE ANALYZED:11/17/16
DATE REPORTED:11/28/16

SAMPLE I.D.: **Effluent/Vapor** LAB I.D.: 161117-8

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 1 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.010
BENZENE	ND	0.0004
BROMOBENZENE	ND	0.001
BROMOCHLOROMETHANE	ND	0.001
BROMODICHLOROMETHANE	ND	0.001
BROMOFORM	ND	0.001
BROMOMETHANE	ND	0.001
2-BUTANONE (MEK)	ND	0.010
N-BUTYLBENZENE	ND	0.001
SEC-BUTYLBENZENE	ND	0.001
TERT-BUTYLBENZENE	ND	0.001
CARBON DISULFIDE	ND	0.005
CARBON TETRACHLORIDE	ND	0.001
CHLOROBENZENE	ND	0.001
CHLOROETHANE	ND	0.001
CHLOROFORM	ND	0.001
CHLOROMETHANE	ND	0.001
2-CHLOROTOLUENE	ND	0.001
4-CHLOROTOLUENE	ND	0.001
DIBROMOCHLOROMETHANE	ND	0.001
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.001
1,2-DIBROMOETHANE	ND	0.001
DIBROMOMETHANE	ND	0.001
1,2-DICHLOROBENZENE	ND	0.001
1,3-DICHLOROBENZENE	ND	0.001
1,4-DICHLOROBENZENE	ND	0.001
DICHLORODIFLUOROMETHANE	ND	0.001
1,1-DICHLOROETHANE	ND	0.001
1,2-DICHLOROETHANE	ND	0.001
1,1-DICHLOROETHENE	ND	0.001
CIS-1,2-DICHLOROETHENE	ND	0.001
TRANS-1,2-DICHLOROETHENE	ND	0.001
1,2-DICHLOROPROPANE	ND	0.001
1,3-DICHLOROPROPANE	ND	0.001

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX: VAPOR
DATE SAMPLED: 11/16/16
REPORT TO: MR. DANIEL VILLANUEVA
DATE RECEIVED: 11/17/16
DATE ANALYZED: 11/17/16
DATE REPORTED: 11/28/16

SAMPLE I.D.: **Effluent/Vapor** LAB I.D.: 161117-8

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 2 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	0.001
1,1-DICHLOROPROPENE	ND	0.001
CIS-1,3-DICHLOROPROPENE	ND	0.001
TRANS-1,3-DICHLOROPROPENE	ND	0.001
ETHYLBENZENE	ND	0.001
2-HEXANONE	ND	0.010
HEXACHLOROBUTADIENE	ND	0.001
ISOPROPYLBENZENE	ND	0.001
4-ISOPROPYLTOLUENE	ND	0.001
4-METHYL-2-PENTANONE (MIBK)	ND	0.010
METHYL tert-BUTYL ETHER (MTBE)	ND	0.003
METHYLENE CHLORIDE	ND	0.005
NAPHTHALENE	ND	0.0003
N-PROPYLBENZENE	ND	0.001
STYRENE	ND	0.001
1,1,1,2-TETRACHLOROETHANE	ND	0.001
1,1,2,2-TETRACHLOROETHANE	ND	0.001
TETRACHLOROETHENE (PCE)	ND	0.001
TOLUENE	ND	0.001
1,2,3-TRICHLOROBENZENE	ND	0.001
1,2,4-TRICHLOROBENZENE	ND	0.001
1,1,1-TRICHLOROETHANE	ND	0.001
1,1,2-TRICHLOROETHANE	ND	0.001
TRICHLOROETHENE (TCE)	ND	0.001
TRICHLOROFLUOROMETHANE	ND	0.001
1,2,3-TRICHLOROPROPANE	ND	0.001
1,2,4-TRIMETHYLBENZENE	ND	0.001
1,3,5-TRIMETHYLBENZENE	ND	0.001
VINYL CHLORIDE	ND	0.001
M/P-XYLENE	ND	0.002
O-XYLENE	ND	0.001

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX:VAPOR
DATE SAMPLED:11/16/16
REPORT TO:MR. DANIEL VILLANUEVA
DATE RECEIVED:11/17/16
DATE ANALYZED:11/17/16
DATE REPORTED:11/28/16

METHOD BLANK REPORT FOR LAB I.D.: 161117-7, -8

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 1 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.010
BENZENE	ND	0.0004
BROMOBENZENE	ND	0.001
BROMOCHLOROMETHANE	ND	0.001
BROMODICHLOROMETHANE	ND	0.001
BROMOFORM	ND	0.001
BROMOMETHANE	ND	0.001
2-BUTANONE (MEK)	ND	0.010
N-BUTYLBENZENE	ND	0.001
SEC-BUTYLBENZENE	ND	0.001
TERT-BUTYLBENZENE	ND	0.001
CARBON DISULFIDE	ND	0.005
CARBON TETRACHLORIDE	ND	0.001
CHLOROBENZENE	ND	0.001
CHLOROETHANE	ND	0.001
CHLOROFORM	ND	0.001
CHLOROMETHANE	ND	0.001
2-CHLOROTOLUENE	ND	0.001
4-CHLOROTOLUENE	ND	0.001
DIBROMOCHLOROMETHANE	ND	0.001
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.001
1,2-DIBROMOETHANE	ND	0.001
DIBROMOMETHANE	ND	0.001
1,2-DICHLOROBENZENE	ND	0.001
1,3-DICHLOROBENZENE	ND	0.001
1,4-DICHLOROBENZENE	ND	0.001
DICHLORODIFLUOROMETHANE	ND	0.001
1,1-DICHLOROETHANE	ND	0.001
1,2-DICHLOROETHANE	ND	0.001
1,1-DICHLOROETHENE	ND	0.001
CIS-1,2-DICHLOROETHENE	ND	0.001
TRANS-1,2-DICHLOROETHENE	ND	0.001
1,2-DICHLOROPROPANE	ND	0.001
1,3-DICHLOROPROPANE	ND	0.001

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel (209) 467-1006 Fax (209) 467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX: VAPOR
DATE SAMPLED: 11/16/16
REPORT TO: MR. DANIEL VILLANUEVA
DATE RECEIVED: 11/17/16
DATE ANALYZED: 11/17/16
DATE REPORTED: 11/28/16

METHOD BLANK REPORT FOR LAB I.D.: 161117-7, -8

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 2 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	0.001
1,1-DICHLOROPROPENE	ND	0.001
CIS-1,3-DICHLOROPROPENE	ND	0.001
TRANS-1,3-DICHLOROPROPENE	ND	0.001
ETHYLBENZENE	ND	0.001
2-HEXANONE	ND	0.010
HEXACHLOROBUTADIENE	ND	0.001
ISOPROPYLBENZENE	ND	0.001
4-ISOPROPYLTOLUENE	ND	0.001
4-METHYL-2-PENTANONE (MIBK)	ND	0.010
METHYL tert-BUTYL ETHER (MTBE)	ND	0.003
METHYLENE CHLORIDE	ND	0.005
NAPHTHALENE	ND	0.0003
N-PROPYLBENZENE	ND	0.001
STYRENE	ND	0.001
1,1,1,2-TETRACHLOROETHANE	ND	0.001
1,1,2,2-TETRACHLOROETHANE	ND	0.001
TETRACHLOROETHENE (PCE)	ND	0.001
TOLUENE	ND	0.001
1,2,3-TRICHLOROBENZENE	ND	0.001
1,2,4-TRICHLOROBENZENE	ND	0.001
1,1,1-TRICHLOROETHANE	ND	0.001
1,1,2-TRICHLOROETHANE	ND	0.001
TRICHLOROETHENE (TCE)	ND	0.001
TRICHLOROFLUOROMETHANE	ND	0.001
1,2,3-TRICHLOROPROPANE	ND	0.001
1,2,4-TRIMETHYLBENZENE	ND	0.001
1,3,5-TRIMETHYLBENZENE	ND	0.001
VINYL CHLORIDE	ND	0.001
M/P-XYLENE	ND	0.002
O-XYLENE	ND	0.001

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: 11/17/2016 **Matrix:** Water/Vapor
Machine: B **Unit:** ug/L (PPB)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 161117-7 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	25.0	30.3	121%	30.9	124%	2%	75-125	0-20
Chlorobenzene	0	25.0	27.8	111%	30.8	123%	12%	75-125	0-20
1,1-Dichloroethene	0	25.0	30.8	123%	29.9	120%	4%	75-125	0-20
Toluene	0	25.0	26.3	105%	26.6	106%	1%	75-125	0-20
Trichloroethene (TCE)	0	25.0	26.2	105%	25.3	101%	4%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	25.0	26.7	107%	75-125
Chlorobenzene	25.0	27.5	110%	75-125
Chloroform	25.0	30.7	123%	75-125
1,1-Dichlorothene	25.0	26.8	107%	75-125
Ethylbenzene	25.0	30.8	123%	75-125
o-Xylene	25.0	30.1	120%	75-125
m,p-Xylene	50.0	60.8	122%	75-125
Toluene	25.0	22.6	90%	75-125
1,1,1-Trichloroethane	25.0	31.0	124%	75-125
Trichloroethene (TCE)	25.0	19.3	77%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**M-BLK**	**161117-7**	**161117-8**				
Dibromofluoromethane	25.0	70-130	127%	134*%	132*%				
Toluene-d8	25.0	70-130	101%	103%	103%				
4-Bromofluorobenzene	25.0	70-130	75%	71%	73%				

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	70-130							
Toluene-d8	25.0	70-130							
4-Bromofluorobenzene	25.0	70-130							

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
Dibromofluoromethane	25.0	70-130							
Toluene-d8	25.0	70-130							
4-Bromofluorobenzene	25.0	70-130							

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

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: 11/16/16 Page 1 of 1

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

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs by 8260
Influent/Vapor	11/16/16	1317	A	1	161117-7	X
Effluent/Vapor	11/16/16	1319	A	1	-8	X

Relinquished by: Rick Matt	Date: 11/16/16	Time: 1500	Laboratory: Envirochem		
Courier: ONTRAC			Received by: Edward	Date: 11/17/2016	Time: 10:30
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.

Rick Matt

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

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: November 29, 2016

Mr. Daniel Villanueva
Advanced GeoEnvironmental, Inc.
837 Shaw Road
Stockton, CA 95215
Tel(209)467-1006 Fax:(209)467-1118

Project: **Swiss Valley Cleaners**
Lab I.D.: **161118-15, -16**

Dear Mr. Villanueva:

The **analytical results** for the vapor samples, received by our lab on November 18, 2016, (via OnTrac) are attached. The samples were received intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX: VAPOR
DATE SAMPLED: 11/17/16
REPORT TO: MR. DANIEL VILLANUEVA
DATE RECEIVED: 11/18/16
DATE ANALYZED: 11/18/16
DATE REPORTED: 11/29/16

SAMPLE I.D.: **Influent/Vapor** LAB I.D.: 161118-15

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 1 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.010
BENZENE	ND	0.0004
BROMOBENZENE	ND	0.001
BROMOCHLOROMETHANE	ND	0.001
BROMODICHLOROMETHANE	ND	0.001
BROMOFORM	ND	0.001
BROMOMETHANE	ND	0.001
2-BUTANONE (MEK)	ND	0.010
N-BUTYLBENZENE	ND	0.001
SEC-BUTYLBENZENE	ND	0.001
TERT-BUTYLBENZENE	ND	0.001
CARBON DISULFIDE	ND	0.005
CARBON TETRACHLORIDE	ND	0.001
CHLOROBENZENE	ND	0.001
CHLOROETHANE	ND	0.001
CHLOROFORM	ND	0.001
CHLOROMETHANE	ND	0.001
2-CHLOROTOLUENE	ND	0.001
4-CHLOROTOLUENE	ND	0.001
DIBROMOCHLOROMETHANE	ND	0.001
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.001
1,2-DIBROMOETHANE	ND	0.001
DIBROMOMETHANE	ND	0.001
1,2-DICHLOROBENZENE	ND	0.001
1,3-DICHLOROBENZENE	ND	0.001
1,4-DICHLOROBENZENE	ND	0.001
DICHLORODIFLUOROMETHANE	ND	0.001
1,1-DICHLOROETHANE	ND	0.001
1,2-DICHLOROETHANE	ND	0.001
1,1-DICHLOROETHENE	ND	0.001
CIS-1,2-DICHLOROETHENE	ND	0.001
TRANS-1,2-DICHLOROETHENE	ND	0.001
1,2-DICHLOROPROPANE	ND	0.001
1,3-DICHLOROPROPANE	ND	0.001

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX:VAPOR
DATE SAMPLED:11/17/16
REPORT TO:MR. DANIEL VILLANUEVA
DATE RECEIVED:11/18/16
DATE ANALYZED:11/18/16
DATE REPORTED:11/29/16

SAMPLE I.D.: **Influent/Vapor** LAB I.D.: 161118-15

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 2 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	0.001
1,1-DICHLOROPROPENE	ND	0.001
CIS-1,3-DICHLOROPROPENE	ND	0.001
TRANS-1,3-DICHLOROPROPENE	ND	0.001
ETHYLBENZENE	ND	0.001
2-HEXANONE	ND	0.010
HEXACHLOROBUTADIENE	ND	0.001
ISOPROPYLBENZENE	ND	0.001
4-ISOPROPYLTOLUENE	ND	0.001
4-METHYL-2-PENTANONE (MIBK)	ND	0.010
METHYL tert-BUTYL ETHER (MTBE)	ND	0.003
METHYLENE CHLORIDE	ND	0.005
NAPHTHALENE	ND	0.0003
N-PROPYLBENZENE	ND	0.001
STYRENE	ND	0.001
1,1,1,2-TETRACHLOROETHANE	ND	0.001
1,1,2,2-TETRACHLOROETHANE	ND	0.001
TETRACHLOROETHENE (PCE)	ND	0.001
TOLUENE	ND	0.001
1,2,3-TRICHLOROBENZENE	ND	0.001
1,2,4-TRICHLOROBENZENE	ND	0.001
1,1,1-TRICHLOROETHANE	ND	0.001
1,1,2-TRICHLOROETHANE	ND	0.001
TRICHLOROETHENE (TCE)	ND	0.001
TRICHLOROFLUOROMETHANE	ND	0.001
1,2,3-TRICHLOROPROPANE	ND	0.001
1,2,4-TRIMETHYLBENZENE	ND	0.001
1,3,5-TRIMETHYLBENZENE	ND	0.001
VINYL CHLORIDE	ND	0.001
M/P-XYLENE	ND	0.002
O-XYLENE	ND	0.001

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX: VAPOR
DATE SAMPLED: 11/17/16
REPORT TO: MR. DANIEL VILLANUEVA
DATE RECEIVED: 11/18/16
DATE ANALYZED: 11/18/16
DATE REPORTED: 11/29/16

SAMPLE I.D.: **Effluent/Vapor** LAB I.D.: 161118-16

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 1 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.010
BENZENE	ND	0.0004
BROMOBENZENE	ND	0.001
BROMOCHLOROMETHANE	ND	0.001
BROMODICHLOROMETHANE	ND	0.001
BROMOFORM	ND	0.001
BROMOMETHANE	ND	0.001
2-BUTANONE (MEK)	ND	0.010
N-BUTYLBENZENE	ND	0.001
SEC-BUTYLBENZENE	ND	0.001
TERT-BUTYLBENZENE	ND	0.001
CARBON DISULFIDE	ND	0.005
CARBON TETRACHLORIDE	ND	0.001
CHLOROBENZENE	ND	0.001
CHLOROETHANE	ND	0.001
CHLOROFORM	ND	0.001
CHLOROMETHANE	ND	0.001
2-CHLOROTOLUENE	ND	0.001
4-CHLOROTOLUENE	ND	0.001
DIBROMOCHLOROMETHANE	ND	0.001
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.001
1,2-DIBROMOETHANE	ND	0.001
DIBROMOMETHANE	ND	0.001
1,2-DICHLOROBENZENE	ND	0.001
1,3-DICHLOROBENZENE	ND	0.001
1,4-DICHLOROBENZENE	ND	0.001
DICHLORODIFLUOROMETHANE	ND	0.001
1,1-DICHLOROETHANE	ND	0.001
1,2-DICHLOROETHANE	ND	0.001
1,1-DICHLOROETHENE	ND	0.001
CIS-1,2-DICHLOROETHENE	ND	0.001
TRANS-1,2-DICHLOROETHENE	ND	0.001
1,2-DICHLOROPROPANE	ND	0.001
1,3-DICHLOROPROPANE	ND	0.001

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX: VAPOR
DATE SAMPLED: 11/17/16
REPORT TO: MR. DANIEL VILLANUEVA
DATE RECEIVED: 11/18/16
DATE ANALYZED: 11/18/16
DATE REPORTED: 11/29/16

SAMPLE I.D.: **Effluent/Vapor** LAB I.D.: 161118-16

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 2 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	0.001
1,1-DICHLOROPROPENE	ND	0.001
CIS-1,3-DICHLOROPROPENE	ND	0.001
TRANS-1,3-DICHLOROPROPENE	ND	0.001
ETHYLBENZENE	ND	0.001
2-HEXANONE	ND	0.010
HEXACHLOROBUTADIENE	ND	0.001
ISOPROPYLBENZENE	ND	0.001
4-ISOPROPYLTOLUENE	ND	0.001
4-METHYL-2-PENTANONE (MIBK)	ND	0.010
METHYL tert-BUTYL ETHER (MTBE)	ND	0.003
METHYLENE CHLORIDE	ND	0.005
NAPHTHALENE	ND	0.0003
N-PROPYLBENZENE	ND	0.001
STYRENE	ND	0.001
1,1,1,2-TETRACHLOROETHANE	ND	0.001
1,1,2,2-TETRACHLOROETHANE	ND	0.001
TETRACHLOROETHENE (PCE)	ND	0.001
TOLUENE	ND	0.001
1,2,3-TRICHLOROBENZENE	ND	0.001
1,2,4-TRICHLOROBENZENE	ND	0.001
1,1,1-TRICHLOROETHANE	ND	0.001
1,1,2-TRICHLOROETHANE	ND	0.001
TRICHLOROETHENE (TCE)	ND	0.001
TRICHLOROFLUOROMETHANE	ND	0.001
1,2,3-TRICHLOROPROPANE	ND	0.001
1,2,4-TRIMETHYLBENZENE	ND	0.001
1,3,5-TRIMETHYLBENZENE	ND	0.001
VINYL CHLORIDE	ND	0.001
M/P-XYLENE	ND	0.002
O-XYLENE	ND	0.001

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX:VAPOR
DATE SAMPLED:11/17/16
REPORT TO:MR. DANIEL VILLANUEVA
DATE RECEIVED:11/18/16
DATE ANALYZED:11/18/16
DATE REPORTED:11/29/16

METHOD BLANK REPORT FOR LAB I.D.: 161118-15, -16

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 1 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
ACETONE	ND	0.010
BENZENE	ND	0.0004
BROMOBENZENE	ND	0.001
BROMOCHLOROMETHANE	ND	0.001
BROMODICHLOROMETHANE	ND	0.001
BROMOFORM	ND	0.001
BROMOMETHANE	ND	0.001
2-BUTANONE (MEK)	ND	0.010
N-BUTYLBENZENE	ND	0.001
SEC-BUTYLBENZENE	ND	0.001
TERT-BUTYLBENZENE	ND	0.001
CARBON DISULFIDE	ND	0.005
CARBON TETRACHLORIDE	ND	0.001
CHLOROBENZENE	ND	0.001
CHLOROETHANE	ND	0.001
CHLOROFORM	ND	0.001
CHLOROMETHANE	ND	0.001
2-CHLOROTOLUENE	ND	0.001
4-CHLOROTOLUENE	ND	0.001
DIBROMOCHLOROMETHANE	ND	0.001
1,2-DIBROMO-3-CHLOROPROPANE	ND	0.001
1,2-DIBROMOETHANE	ND	0.001
DIBROMOMETHANE	ND	0.001
1,2-DICHLOROBENZENE	ND	0.001
1,3-DICHLOROBENZENE	ND	0.001
1,4-DICHLOROBENZENE	ND	0.001
DICHLORODIFLUOROMETHANE	ND	0.001
1,1-DICHLOROETHANE	ND	0.001
1,2-DICHLOROETHANE	ND	0.001
1,1-DICHLOROETHENE	ND	0.001
CIS-1,2-DICHLOROETHENE	ND	0.001
TRANS-1,2-DICHLOROETHENE	ND	0.001
1,2-DICHLOROPROPANE	ND	0.001
1,3-DICHLOROPROPANE	ND	0.001

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Advanced GeoEnvironmental, Inc.**
837 Shaw Road, Stockton, CA 95215
Tel(209)467-1006 Fax(209)467-1118

PROJECT: **Swiss Valley Cleaners**
MATRIX: VAPOR
DATE SAMPLED: 11/17/16
REPORT TO: MR. DANIEL VILLANUEVA
DATE RECEIVED: 11/18/16
DATE ANALYZED: 11/18/16
DATE REPORTED: 11/29/16

METHOD BLANK REPORT FOR LAB I.D.: 161118-15, -16

ANALYSIS: VOLATILE ORGANICS, EPA METHOD 8260B, PAGE 2 OF 2
UNITS: mg/L = MILLIGRAM PER LITER = PPMwv

PARAMETER	SAMPLE RESULT	PQL X1
2,2-DICHLOROPROPANE	ND	0.001
1,1-DICHLOROPROPENE	ND	0.001
CIS-1,3-DICHLOROPROPENE	ND	0.001
TRANS-1,3-DICHLOROPROPENE	ND	0.001
ETHYLBENZENE	ND	0.001
2-HEXANONE	ND	0.010
HEXACHLOROBUTADIENE	ND	0.001
ISOPROPYLBENZENE	ND	0.001
4-ISOPROPYLTOLUENE	ND	0.001
4-METHYL-2-PENTANONE (MIBK)	ND	0.010
METHYL tert-BUTYL ETHER (MTBE)	ND	0.003
METHYLENE CHLORIDE	ND	0.005
NAPHTHALENE	ND	0.0003
N-PROPYLBENZENE	ND	0.001
STYRENE	ND	0.001
1,1,1,2-TETRACHLOROETHANE	ND	0.001
1,1,2,2-TETRACHLOROETHANE	ND	0.001
TETRACHLOROETHENE (PCE)	ND	0.001
TOLUENE	ND	0.001
1,2,3-TRICHLOROBENZENE	ND	0.001
1,2,4-TRICHLOROBENZENE	ND	0.001
1,1,1-TRICHLOROETHANE	ND	0.001
1,1,2-TRICHLOROETHANE	ND	0.001
TRICHLOROETHENE (TCE)	ND	0.001
TRICHLOROFLUOROMETHANE	ND	0.001
1,2,3-TRICHLOROPROPANE	ND	0.001
1,2,4-TRIMETHYLBENZENE	ND	0.001
1,3,5-TRIMETHYLBENZENE	ND	0.001
VINYL CHLORIDE	ND	0.001
M/P-XYLENE	ND	0.002
O-XYLENE	ND	0.001

COMMENTS PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
DATA REVIEWED AND APPROVED BY:
CAL-DHS CERTIFICATE # 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8260B QA/QC Report

Date Analyzed: 11/18-19/2016 **Matrix:** Water/Vapor
Machine: B **Unit:** ug/L (PPB)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)
Spiked Sample Lab I.D.: 161117-95 MS/MSD

Analyte	S.R.	spk conc	MS	%RC	MSD	%RC	%RPD	ACP %RC	ACP RPD
Benzene	0	25.0	30.6	122%	30.5	122%	0%	75-125	0-20
Chlorobenzene	0	25.0	27.1	108%	28.6	114%	6%	75-125	0-20
1,1-Dichloroethene	0	25.0	30.1	120%	27.8	111%	9%	75-125	0-20
Toluene	0	25.0	28.1	112%	29.4	118%	5%	75-125	0-20
Trichloroethene (TCE)	0	25.0	20.8	83%	24.8	99%	16%	75-125	0-20

Lab Control Spike (LCS):

Analyte	spk conc	LCS	%RC	ACP %RC
Benzene	25.0	26.2	105%	75-125
Chlorobenzene	25.0	27.6	110%	75-125
Chloroform	25.0	30.1	120%	75-125
1,1-Dichlorothene	25.0	29.9	120%	75-125
Ethylbenzene	25.0	31.1	124%	75-125
o-Xylene	25.0	30.1	120%	75-125
m,p-Xylene	50.0	59.9	120%	75-125
Toluene	25.0	22.2	89%	75-125
1,1,1-Trichloroethane	25.0	30.3	121%	75-125
Trichloroethene (TCE)	25.0	19.6	78%	75-125

Surrogate Recovery	spk conc	ACP %RC	MB %RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			M-BLK	161117-95	161117-96	161117-97	161117-98	161117-99	161117-100
Dibromofluoromethane	25.0	70-130	118%	127%	130%	122%	112%	126%	116%
Toluene-d8	25.0	70-130	101%	103%	104%	104%	103%	107%	104%
4-Bromofluorobenzene	25.0	70-130	73%	75%	75%	73%	88%	72%	69*%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			161117-101	161118-5	161118-6	161118-7	161118-8	161118-9	161118-10
Dibromofluoromethane	25.0	70-130	103%	118%	129%	123%	127%	129%	119%
Toluene-d8	25.0	70-130	105%	89%	107%	108%	94%	103%	98%
4-Bromofluorobenzene	25.0	70-130	84%	74%	56*%	84%	77%	76%	76%

Surrogate Recovery	spk conc	ACP %RC	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			161118-11	161118-12	161118-15	161118-16			
Dibromofluoromethane	25.0	70-130	108%	116%	109%	112%			
Toluene-d8	25.0	70-130	104%	101%	86%	107%			
4-Bromofluorobenzene	25.0	70-130	74%	69*%	79%	70%			

** = Surrogate fail due to matrix interference; LCS, MS, MSD are in control therefore the analysis is in control.*
S.R. = Sample Results *%RC = Percent Recovery*
spk conc = Spike Concentration *ACP %RC = Accepted Percent Recovery*
MS = Matrix Spike *MSD = Matrix Spike Duplicate*

Analyzed/Reviewed By: _____

Final Reviewer: _____

***Advanced* GeoEnvironmental, Inc.** www.advgeoenv.com

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

CHAIN OF CUSTODY RECORD

Date: 11/17/16 Page 1 of 1

Project Name Swiss Valley Cleaners

Project Manager Daniel Villanueva

Client

Sampler (initials & signature) RL

Invoice to: ☒ AGE ☐ Client

Lab Project No.:

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: VOCs (8260)
Influent/vapor	11/17/16	1225	A	1	161118-15	X
Effluent/vapor	11/17/16	1227	A	1	-16	X

Relinquished by: [signature]	Date: 11/17/16	Time:	Laboratory: Envirochem
Courier: ONTRAC		Received by: [signature]	Date: 11/18/16 Time: 9:00
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)** (circled) Other:

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

Special Instructions to lab:

I hereby authorize the performance of the above indicated work. [signature]

Geotracker EDF to: ☒ geotracker@advgeoenv.com ☐

Global ID:

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1611548

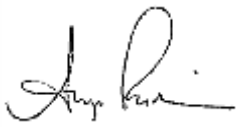
Report Created for: Advanced GeoEnvironmental, Inc.

837 Shaw Road
Stockton, CA 95215

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

Project Received: 11/11/2016

Analytical Report reviewed & approved for release on 11/16/2016 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: 1611548

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

H	samples were analyzed out of holding time

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: 1611548

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD is out of acceptance criteria.

McCampbell Analytical, Inc.
"When Quality Counts"

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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:**	1611548
Date Received:	11/11/16 12:30	**Extraction Method:**	SW5030B
Date Prepared:	11/12/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Influent/Vapor	**1611548-001A**	**Air**	**11/11/2016 10:55**	**GC10**	**129729**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	H	0.25	1	11/12/2016 12:25
Benzene	ND	H	0.25	1	11/12/2016 12:25
Bromobenzene	ND	H	0.25	1	11/12/2016 12:25
Bromochloromethane	ND	H	0.25	1	11/12/2016 12:25
Bromodichloromethane	ND	H	0.25	1	11/12/2016 12:25
Bromoform	ND	H	0.25	1	11/12/2016 12:25
Bromomethane	ND	H	0.25	1	11/12/2016 12:25
t-Butyl alcohol (TBA)	ND	H	2.5	1	11/12/2016 12:25
n-Butyl benzene	ND	H	0.25	1	11/12/2016 12:25
sec-Butyl benzene	ND	H	0.25	1	11/12/2016 12:25
tert-Butyl benzene	ND	H	0.25	1	11/12/2016 12:25
Carbon Disulfide	ND	H	0.25	1	11/12/2016 12:25
Carbon Tetrachloride	ND	H	0.25	1	11/12/2016 12:25
Chlorobenzene	ND	H	0.25	1	11/12/2016 12:25
Chloroethane	ND	H	0.25	1	11/12/2016 12:25
Chloroform	ND	H	0.25	1	11/12/2016 12:25
Chloromethane	ND	H	0.25	1	11/12/2016 12:25
2-Chlorotoluene	ND	H	0.25	1	11/12/2016 12:25
4-Chlorotoluene	ND	H	0.25	1	11/12/2016 12:25
Dibromochloromethane	ND	H	0.25	1	11/12/2016 12:25
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	11/12/2016 12:25
1,2-Dibromoethane (EDB)	ND	H	0.25	1	11/12/2016 12:25
Dibromomethane	ND	H	0.25	1	11/12/2016 12:25
1,2-Dichlorobenzene	ND	H	0.25	1	11/12/2016 12:25
1,3-Dichlorobenzene	ND	H	0.25	1	11/12/2016 12:25
1,4-Dichlorobenzene	ND	H	0.25	1	11/12/2016 12:25
Dichlorodifluoromethane	ND	H	0.25	1	11/12/2016 12:25
1,1-Dichloroethane	ND	H	0.25	1	11/12/2016 12:25
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	11/12/2016 12:25
1,1-Dichloroethene	ND	H	0.25	1	11/12/2016 12:25
cis-1,2-Dichloroethene	ND	H	0.25	1	11/12/2016 12:25
trans-1,2-Dichloroethene	ND	H	0.25	1	11/12/2016 12:25
1,2-Dichloropropane	ND	H	0.25	1	11/12/2016 12:25
1,3-Dichloropropane	ND	H	0.25	1	11/12/2016 12:25
2,2-Dichloropropane	ND	H	0.25	1	11/12/2016 12:25
1,1-Dichloropropene	ND	H	0.25	1	11/12/2016 12:25
cis-1,3-Dichloropropene	ND	H	0.25	1	11/12/2016 12:25

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1611548
Date Received:	11/11/16 12:30	**Extraction Method:**	SW5030B
Date Prepared:	11/12/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Influent/Vapor	**1611548-001A**	**Air**	**11/11/2016 10:55**	**GC10**	**129729**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
trans-1,3-Dichloropropene	ND	H	0.25	1	11/12/2016 12:25
Diisopropyl ether (DIPE)	ND	H	0.25	1	11/12/2016 12:25
Ethylbenzene	ND	H	0.25	1	11/12/2016 12:25
Ethyl tert-butyl ether (ETBE)	ND	H	0.25	1	11/12/2016 12:25
Freon 113	ND	H	5.0	1	11/12/2016 12:25
Hexachlorobutadiene	ND	H	0.25	1	11/12/2016 12:25
Hexachloroethane	ND	H	0.25	1	11/12/2016 12:25
2-Hexanone	ND	H	0.25	1	11/12/2016 12:25
Isopropylbenzene	ND	H	0.25	1	11/12/2016 12:25
4-Isopropyl toluene	ND	H	0.25	1	11/12/2016 12:25
Methyl-t-butyl ether (MTBE)	ND	H	0.25	1	11/12/2016 12:25
Methylene chloride	ND	H	0.25	1	11/12/2016 12:25
n-Propyl benzene	ND	H	0.25	1	11/12/2016 12:25
Styrene	ND	H	0.25	1	11/12/2016 12:25
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	11/12/2016 12:25
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	11/12/2016 12:25
Tetrachloroethene	**20**	H	0.25	1	11/12/2016 12:25
Toluene	ND	H	0.25	1	11/12/2016 12:25
1,2,3-Trichlorobenzene	ND	H	0.25	1	11/12/2016 12:25
1,2,4-Trichlorobenzene	ND	H	0.25	1	11/12/2016 12:25
1,1,1-Trichloroethane	ND	H	0.25	1	11/12/2016 12:25
1,1,2-Trichloroethane	ND	H	0.25	1	11/12/2016 12:25
Trichloroethene	ND	H	0.25	1	11/12/2016 12:25
Trichlorofluoromethane	ND	H	0.25	1	11/12/2016 12:25
1,2,3-Trichloropropane	ND	H	0.25	1	11/12/2016 12:25
1,2,4-Trimethylbenzene	**0.52**	H	0.25	1	11/12/2016 12:25
1,3,5-Trimethylbenzene	**0.41**	H	0.25	1	11/12/2016 12:25
Vinyl Chloride	ND	H	0.25	1	11/12/2016 12:25
Xylenes, Total	**0.82**	H	0.25	1	11/12/2016 12:25

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	110	H	70-130	11/12/2016 12:25
Toluene-d8	107	H	70-130	11/12/2016 12:25
4-BFB	102	H	70-130	11/12/2016 12:25

Analyst(s): KF

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1611548
Date Received:	11/11/16 12:30	**Extraction Method:**	SW5030B
Date Prepared:	11/12/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Effluent/Vapor	**1611548-002A**	**Air**	**11/11/2016 11:05**	**GC10**	**129729**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	H	0.25	1	11/12/2016 13:05
Benzene	ND	H	0.25	1	11/12/2016 13:05
Bromobenzene	ND	H	0.25	1	11/12/2016 13:05
Bromochloromethane	ND	H	0.25	1	11/12/2016 13:05
Bromodichloromethane	ND	H	0.25	1	11/12/2016 13:05
Bromoform	ND	H	0.25	1	11/12/2016 13:05
Bromomethane	ND	H	0.25	1	11/12/2016 13:05
t-Butyl alcohol (TBA)	ND	H	2.5	1	11/12/2016 13:05
n-Butyl benzene	ND	H	0.25	1	11/12/2016 13:05
sec-Butyl benzene	ND	H	0.25	1	11/12/2016 13:05
tert-Butyl benzene	ND	H	0.25	1	11/12/2016 13:05
Carbon Disulfide	ND	H	0.25	1	11/12/2016 13:05
Carbon Tetrachloride	ND	H	0.25	1	11/12/2016 13:05
Chlorobenzene	ND	H	0.25	1	11/12/2016 13:05
Chloroethane	ND	H	0.25	1	11/12/2016 13:05
Chloroform	ND	H	0.25	1	11/12/2016 13:05
Chloromethane	ND	H	0.25	1	11/12/2016 13:05
2-Chlorotoluene	ND	H	0.25	1	11/12/2016 13:05
4-Chlorotoluene	ND	H	0.25	1	11/12/2016 13:05
Dibromochloromethane	ND	H	0.25	1	11/12/2016 13:05
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	11/12/2016 13:05
1,2-Dibromoethane (EDB)	ND	H	0.25	1	11/12/2016 13:05
Dibromomethane	ND	H	0.25	1	11/12/2016 13:05
1,2-Dichlorobenzene	ND	H	0.25	1	11/12/2016 13:05
1,3-Dichlorobenzene	ND	H	0.25	1	11/12/2016 13:05
1,4-Dichlorobenzene	ND	H	0.25	1	11/12/2016 13:05
Dichlorodifluoromethane	ND	H	0.25	1	11/12/2016 13:05
1,1-Dichloroethane	ND	H	0.25	1	11/12/2016 13:05
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	11/12/2016 13:05
1,1-Dichloroethene	ND	H	0.25	1	11/12/2016 13:05
cis-1,2-Dichloroethene	ND	H	0.25	1	11/12/2016 13:05
trans-1,2-Dichloroethene	ND	H	0.25	1	11/12/2016 13:05
1,2-Dichloropropane	ND	H	0.25	1	11/12/2016 13:05
1,3-Dichloropropane	ND	H	0.25	1	11/12/2016 13:05
2,2-Dichloropropane	ND	H	0.25	1	11/12/2016 13:05
1,1-Dichloropropene	ND	H	0.25	1	11/12/2016 13:05
cis-1,3-Dichloropropene	ND	H	0.25	1	11/12/2016 13:05

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1611548
Date Received:	11/11/16 12:30	**Extraction Method:**	SW5030B
Date Prepared:	11/12/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Effluent/Vapor	**1611548-002A**	**Air**	**11/11/2016 11:05**	**GC10**	**129729**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
trans-1,3-Dichloropropene	ND	H	0.25	1	11/12/2016 13:05
Diisopropyl ether (DIPE)	ND	H	0.25	1	11/12/2016 13:05
Ethylbenzene	ND	H	0.25	1	11/12/2016 13:05
Ethyl tert-butyl ether (ETBE)	ND	H	0.25	1	11/12/2016 13:05
Freon 113	ND	H	5.0	1	11/12/2016 13:05
Hexachlorobutadiene	ND	H	0.25	1	11/12/2016 13:05
Hexachloroethane	ND	H	0.25	1	11/12/2016 13:05
2-Hexanone	ND	H	0.25	1	11/12/2016 13:05
Isopropylbenzene	ND	H	0.25	1	11/12/2016 13:05
4-Isopropyl toluene	ND	H	0.25	1	11/12/2016 13:05
Methyl-t-butyl ether (MTBE)	ND	H	0.25	1	11/12/2016 13:05
Methylene chloride	ND	H	0.25	1	11/12/2016 13:05
n-Propyl benzene	ND	H	0.25	1	11/12/2016 13:05
Styrene	ND	H	0.25	1	11/12/2016 13:05
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	11/12/2016 13:05
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	11/12/2016 13:05
Tetrachloroethene	ND	H	0.25	1	11/12/2016 13:05
Toluene	ND	H	0.25	1	11/12/2016 13:05
1,2,3-Trichlorobenzene	ND	H	0.25	1	11/12/2016 13:05
1,2,4-Trichlorobenzene	ND	H	0.25	1	11/12/2016 13:05
1,1,1-Trichloroethane	ND	H	0.25	1	11/12/2016 13:05
1,1,2-Trichloroethane	ND	H	0.25	1	11/12/2016 13:05
Trichloroethene	ND	H	0.25	1	11/12/2016 13:05
Trichlorofluoromethane	ND	H	0.25	1	11/12/2016 13:05
1,2,3-Trichloropropane	ND	H	0.25	1	11/12/2016 13:05
1,2,4-Trimethylbenzene	ND	H	0.25	1	11/12/2016 13:05
1,3,5-Trimethylbenzene	ND	H	0.25	1	11/12/2016 13:05
Vinyl Chloride	ND	H	0.25	1	11/12/2016 13:05
Xylenes, Total	ND	H	0.25	1	11/12/2016 13:05

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	111	H	70-130	11/12/2016 13:05
Toluene-d8	106	H	70-130	11/12/2016 13:05
4-BFB	97	H	70-130	11/12/2016 13:05

Analyst(s): KF

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1611548
Date Received:	11/11/16 12:30	**Extraction Method:**	SW5030B
Date Prepared:	11/12/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/m³

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Influent/Vapor	**1611548-001A**	**Air**	**11/11/2016 10:55**	**GC10**	**129729**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	H	250	1	11/12/2016 12:25
Benzene	ND	H	250	1	11/12/2016 12:25
Bromobenzene	ND	H	250	1	11/12/2016 12:25
Bromochloromethane	ND	H	250	1	11/12/2016 12:25
Bromodichloromethane	ND	H	250	1	11/12/2016 12:25
Bromoform	ND	H	250	1	11/12/2016 12:25
Bromomethane	ND	H	250	1	11/12/2016 12:25
t-Butyl alcohol (TBA)	ND	H	2500	1	11/12/2016 12:25
n-Butyl benzene	ND	H	250	1	11/12/2016 12:25
sec-Butyl benzene	ND	H	250	1	11/12/2016 12:25
tert-Butyl benzene	ND	H	250	1	11/12/2016 12:25
Carbon Disulfide	ND	H	250	1	11/12/2016 12:25
Carbon Tetrachloride	ND	H	250	1	11/12/2016 12:25
Chlorobenzene	ND	H	250	1	11/12/2016 12:25
Chloroethane	ND	H	250	1	11/12/2016 12:25
Chloroform	ND	H	250	1	11/12/2016 12:25
Chloromethane	ND	H	250	1	11/12/2016 12:25
2-Chlorotoluene	ND	H	250	1	11/12/2016 12:25
4-Chlorotoluene	ND	H	250	1	11/12/2016 12:25
Dibromochloromethane	ND	H	250	1	11/12/2016 12:25
1,2-Dibromo-3-chloropropane	ND	H	250	1	11/12/2016 12:25
1,2-Dibromoethane (EDB)	ND	H	250	1	11/12/2016 12:25
Dibromomethane	ND	H	250	1	11/12/2016 12:25
1,2-Dichlorobenzene	ND	H	250	1	11/12/2016 12:25
1,3-Dichlorobenzene	ND	H	250	1	11/12/2016 12:25
1,4-Dichlorobenzene	ND	H	250	1	11/12/2016 12:25
Dichlorodifluoromethane	ND	H	250	1	11/12/2016 12:25
1,1-Dichloroethane	ND	H	250	1	11/12/2016 12:25
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	11/12/2016 12:25
1,1-Dichloroethene	ND	H	250	1	11/12/2016 12:25
cis-1,2-Dichloroethene	ND	H	250	1	11/12/2016 12:25
trans-1,2-Dichloroethene	ND	H	250	1	11/12/2016 12:25
1,2-Dichloropropane	ND	H	250	1	11/12/2016 12:25
1,3-Dichloropropane	ND	H	250	1	11/12/2016 12:25
2,2-Dichloropropane	ND	H	250	1	11/12/2016 12:25
1,1-Dichloropropene	ND	H	250	1	11/12/2016 12:25
cis-1,3-Dichloropropene	ND	H	250	1	11/12/2016 12:25

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1611548
Date Received:	11/11/16 12:30	**Extraction Method:**	SW5030B
Date Prepared:	11/12/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/m³

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Influent/Vapor	**1611548-001A**	**Air**	**11/11/2016 10:55**	**GC10**	**129729**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
trans-1,3-Dichloropropene	ND	H	250	1	11/12/2016 12:25
Diisopropyl ether (DIPE)	ND	H	250	1	11/12/2016 12:25
Ethylbenzene	ND	H	250	1	11/12/2016 12:25
Ethyl tert-butyl ether (ETBE)	ND	H	250	1	11/12/2016 12:25
Freon 113	ND	H	5000	1	11/12/2016 12:25
Hexachlorobutadiene	ND	H	250	1	11/12/2016 12:25
Hexachloroethane	ND	H	250	1	11/12/2016 12:25
2-Hexanone	ND	H	250	1	11/12/2016 12:25
Isopropylbenzene	ND	H	250	1	11/12/2016 12:25
4-Isopropyl toluene	ND	H	250	1	11/12/2016 12:25
Methyl-t-butyl ether (MTBE)	ND	H	250	1	11/12/2016 12:25
Methylene chloride	ND	H	250	1	11/12/2016 12:25
n-Propyl benzene	ND	H	250	1	11/12/2016 12:25
Styrene	ND	H	250	1	11/12/2016 12:25
1,1,1,2-Tetrachloroethane	ND	H	250	1	11/12/2016 12:25
1,1,2,2-Tetrachloroethane	ND	H	250	1	11/12/2016 12:25
Tetrachloroethene	**20,000**	H	250	1	11/12/2016 12:25
Toluene	ND	H	250	1	11/12/2016 12:25
1,2,3-Trichlorobenzene	ND	H	250	1	11/12/2016 12:25
1,2,4-Trichlorobenzene	ND	H	250	1	11/12/2016 12:25
1,1,1-Trichloroethane	ND	H	250	1	11/12/2016 12:25
1,1,2-Trichloroethane	ND	H	250	1	11/12/2016 12:25
Trichloroethene	ND	H	250	1	11/12/2016 12:25
Trichlorofluoromethane	ND	H	250	1	11/12/2016 12:25
1,2,3-Trichloropropane	ND	H	250	1	11/12/2016 12:25
1,2,4-Trimethylbenzene	**520**	H	250	1	11/12/2016 12:25
1,3,5-Trimethylbenzene	**410**	H	250	1	11/12/2016 12:25
Vinyl Chloride	ND	H	250	1	11/12/2016 12:25
Xylenes, Total	**820**	H	250	1	11/12/2016 12:25

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	110	H	70-130	11/12/2016 12:25
Toluene-d8	107	H	70-130	11/12/2016 12:25
4-BFB	102	H	70-130	11/12/2016 12:25

Analyst(s): KF

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1611548
Date Received:	11/11/16 12:30	**Extraction Method:**	SW5030B
Date Prepared:	11/12/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/m³

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Effluent/Vapor	1611548-002A	Air	11/11/2016 11:05	GC10	129729

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	H	250	1	11/12/2016 13:05
Benzene	ND	H	250	1	11/12/2016 13:05
Bromobenzene	ND	H	250	1	11/12/2016 13:05
Bromochloromethane	ND	H	250	1	11/12/2016 13:05
Bromodichloromethane	ND	H	250	1	11/12/2016 13:05
Bromoform	ND	H	250	1	11/12/2016 13:05
Bromomethane	ND	H	250	1	11/12/2016 13:05
t-Butyl alcohol (TBA)	ND	H	2500	1	11/12/2016 13:05
n-Butyl benzene	ND	H	250	1	11/12/2016 13:05
sec-Butyl benzene	ND	H	250	1	11/12/2016 13:05
tert-Butyl benzene	ND	H	250	1	11/12/2016 13:05
Carbon Disulfide	ND	H	250	1	11/12/2016 13:05
Carbon Tetrachloride	ND	H	250	1	11/12/2016 13:05
Chlorobenzene	ND	H	250	1	11/12/2016 13:05
Chloroethane	ND	H	250	1	11/12/2016 13:05
Chloroform	ND	H	250	1	11/12/2016 13:05
Chloromethane	ND	H	250	1	11/12/2016 13:05
2-Chlorotoluene	ND	H	250	1	11/12/2016 13:05
4-Chlorotoluene	ND	H	250	1	11/12/2016 13:05
Dibromochloromethane	ND	H	250	1	11/12/2016 13:05
1,2-Dibromo-3-chloropropane	ND	H	250	1	11/12/2016 13:05
1,2-Dibromoethane (EDB)	ND	H	250	1	11/12/2016 13:05
Dibromomethane	ND	H	250	1	11/12/2016 13:05
1,2-Dichlorobenzene	ND	H	250	1	11/12/2016 13:05
1,3-Dichlorobenzene	ND	H	250	1	11/12/2016 13:05
1,4-Dichlorobenzene	ND	H	250	1	11/12/2016 13:05
Dichlorodifluoromethane	ND	H	250	1	11/12/2016 13:05
1,1-Dichloroethane	ND	H	250	1	11/12/2016 13:05
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	11/12/2016 13:05
1,1-Dichloroethene	ND	H	250	1	11/12/2016 13:05
cis-1,2-Dichloroethene	ND	H	250	1	11/12/2016 13:05
trans-1,2-Dichloroethene	ND	H	250	1	11/12/2016 13:05
1,2-Dichloropropane	ND	H	250	1	11/12/2016 13:05
1,3-Dichloropropane	ND	H	250	1	11/12/2016 13:05
2,2-Dichloropropane	ND	H	250	1	11/12/2016 13:05
1,1-Dichloropropene	ND	H	250	1	11/12/2016 13:05
cis-1,3-Dichloropropene	ND	H	250	1	11/12/2016 13:05

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1611548
Date Received:	11/11/16 12:30	**Extraction Method:**	SW5030B
Date Prepared:	11/12/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/m³

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Effluent/Vapor	**1611548-002A**	**Air**	**11/11/2016 11:05**	**GC10**	**129729**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
trans-1,3-Dichloropropene	ND	H	250	1	11/12/2016 13:05
Diisopropyl ether (DIPE)	ND	H	250	1	11/12/2016 13:05
Ethylbenzene	ND	H	250	1	11/12/2016 13:05
Ethyl tert-butyl ether (ETBE)	ND	H	250	1	11/12/2016 13:05
Freon 113	ND	H	5000	1	11/12/2016 13:05
Hexachlorobutadiene	ND	H	250	1	11/12/2016 13:05
Hexachloroethane	ND	H	250	1	11/12/2016 13:05
2-Hexanone	ND	H	250	1	11/12/2016 13:05
Isopropylbenzene	ND	H	250	1	11/12/2016 13:05
4-Isopropyl toluene	ND	H	250	1	11/12/2016 13:05
Methyl-t-butyl ether (MTBE)	ND	H	250	1	11/12/2016 13:05
Methylene chloride	ND	H	250	1	11/12/2016 13:05
n-Propyl benzene	ND	H	250	1	11/12/2016 13:05
Styrene	ND	H	250	1	11/12/2016 13:05
1,1,1,2-Tetrachloroethane	ND	H	250	1	11/12/2016 13:05
1,1,2,2-Tetrachloroethane	ND	H	250	1	11/12/2016 13:05
Tetrachloroethene	ND	H	250	1	11/12/2016 13:05
Toluene	ND	H	250	1	11/12/2016 13:05
1,2,3-Trichlorobenzene	ND	H	250	1	11/12/2016 13:05
1,2,4-Trichlorobenzene	ND	H	250	1	11/12/2016 13:05
1,1,1-Trichloroethane	ND	H	250	1	11/12/2016 13:05
1,1,2-Trichloroethane	ND	H	250	1	11/12/2016 13:05
Trichloroethene	ND	H	250	1	11/12/2016 13:05
Trichlorofluoromethane	ND	H	250	1	11/12/2016 13:05
1,2,3-Trichloropropane	ND	H	250	1	11/12/2016 13:05
1,2,4-Trimethylbenzene	ND	H	250	1	11/12/2016 13:05
1,3,5-Trimethylbenzene	ND	H	250	1	11/12/2016 13:05
Vinyl Chloride	ND	H	250	1	11/12/2016 13:05
Xylenes, Total	ND	H	250	1	11/12/2016 13:05

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	111	H	70-130	11/12/2016 13:05
Toluene-d8	106	H	70-130	11/12/2016 13:05
4-BFB	97	H	70-130	11/12/2016 13:05

Analyst(s): KF

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1611548
Date Prepared:	11/12/16	**BatchID:**	129729
Date Analyzed:	11/12/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Air	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS/LCSD-129729

QC Summary Report for SW8260B

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
tert-Amyl methyl ether (TAME)	ND	0.25	-	-	-
Benzene	ND	0.25	-	-	-
Bromobenzene	ND	0.25	-	-	-
Bromochloromethane	ND	0.25	-	-	-
Bromodichloromethane	ND	0.25	-	-	-
Bromoform	ND	0.25	-	-	-
Bromomethane	ND	0.25	-	-	-
t-Butyl alcohol (TBA)	ND	2.5	-	-	-
n-Butyl benzene	ND	0.25	-	-	-
sec-Butyl benzene	ND	0.25	-	-	-
tert-Butyl benzene	ND	0.25	-	-	-
Carbon Disulfide	ND	0.25	-	-	-
Carbon Tetrachloride	ND	0.25	-	-	-
Chlorobenzene	ND	0.25	-	-	-
Chloroethane	ND	0.25	-	-	-
Chloroform	ND	0.25	-	-	-
Chloromethane	ND	0.25	-	-	-
2-Chlorotoluene	ND	0.25	-	-	-
4-Chlorotoluene	ND	0.25	-	-	-
Dibromochloromethane	ND	0.25	-	-	-
1,2-Dibromo-3-chloropropane	ND	0.25	-	-	-
1,2-Dibromoethane (EDB)	ND	0.25	-	-	-
Dibromomethane	ND	0.25	-	-	-
1,2-Dichlorobenzene	ND	0.25	-	-	-
1,3-Dichlorobenzene	ND	0.25	-	-	-
1,4-Dichlorobenzene	ND	0.25	-	-	-
Dichlorodifluoromethane	ND	0.25	-	-	-
1,1-Dichloroethane	ND	0.25	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	0.25	-	-	-
1,1-Dichloroethene	ND	0.25	-	-	-
cis-1,2-Dichloroethene	ND	0.25	-	-	-
trans-1,2-Dichloroethene	ND	0.25	-	-	-
1,2-Dichloropropane	ND	0.25	-	-	-
1,3-Dichloropropane	ND	0.25	-	-	-
2,2-Dichloropropane	ND	0.25	-	-	-
1,1-Dichloropropene	ND	0.25	-	-	-
cis-1,3-Dichloropropene	ND	0.25	-	-	-
trans-1,3-Dichloropropene	ND	0.25	-	-	-
Diisopropyl ether (DIPE)	ND	0.25	-	-	-

(Cont.)

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QA/QC Officer

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1611548
Date Prepared:	11/12/16	**BatchID:**	129729
Date Analyzed:	11/12/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Air	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS/LCSD-129729

QC Summary Report for SW8260B

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
Ethylbenzene	ND	0.25	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	0.25	-	-	-
Freon 113	ND	5.0	-	-	-
Hexachlorobutadiene	ND	0.25	-	-	-
Hexachloroethane	ND	0.25	-	-	-
2-Hexanone	ND	0.25	-	-	-
Isopropylbenzene	ND	0.25	-	-	-
4-Isopropyl toluene	ND	0.25	-	-	-
Methyl-t-butyl ether (MTBE)	ND	0.25	-	-	-
Methylene chloride	ND	0.25	-	-	-
n-Propyl benzene	ND	0.25	-	-	-
Styrene	ND	0.25	-	-	-
1,1,1,2-Tetrachloroethane	ND	0.25	-	-	-
1,1,2,2-Tetrachloroethane	ND	0.25	-	-	-
Tetrachloroethene	ND	0.25	-	-	-
Toluene	ND	0.25	-	-	-
1,2,3-Trichlorobenzene	ND	0.25	-	-	-
1,2,4-Trichlorobenzene	ND	0.25	-	-	-
1,1,1-Trichloroethane	ND	0.25	-	-	-
1,1,2-Trichloroethane	ND	0.25	-	-	-
Trichloroethene	ND	0.25	-	-	-
Trichlorofluoromethane	ND	0.25	-	-	-
1,2,3-Trichloropropane	ND	0.25	-	-	-
1,2,4-Trimethylbenzene	ND	0.25	-	-	-
1,3,5-Trimethylbenzene	ND	0.25	-	-	-
Vinyl Chloride	ND	0.25	-	-	-
Xylenes, Total	ND	0.25	-	-	-
Surrogate Recovery					
Dibromofluoromethane	13.9		12.5	111	70-130
Toluene-d8	13.2		12.5	106	70-130
4-BFB	1.27		1.25	101	70-130

(Cont.)

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QA/QC Officer

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1611548
Date Prepared:	11/12/16	**BatchID:**	129729
Date Analyzed:	11/12/16	**Extraction Method:**	SW5030B
Instrument:	GC10	**Analytical Method:**	SW8260B
Matrix:	Air	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS/LCSD-129729

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	5.84	5.66	5	117	113	60-140	3.00	30
Benzene	5.01	5.13	5	100	103	60-140	2.44	30
t-Butyl alcohol (TBA)	18.7	25.6	20	93	128	60-140	31.2,F2	30
Chlorobenzene	4.87	4.97	5	97	99	60-140	2.11	30
1,2-Dibromoethane (EDB)	5.09	5.08	5	102	102	60-140	0	30
1,2-Dichloroethane (1,2-DCA)	4.97	4.95	5	99	99	60-140	0	30
1,1-Dichloroethene	5.02	5.19	5	100	104	60-140	3.41	30
Diisopropyl ether (DIPE)	4.78	4.82	5	96	96	60-140	0	30
Ethylbenzene	4.91	5.00	5	98	100	60-140	1.76	30
Ethyl tert-butyl ether (ETBE)	5.28	5.34	5	106	107	60-140	1.10	30
Methyl-t-butyl ether (MTBE)	5.21	5.27	5	104	105	60-140	1.11	30
Toluene	4.72	4.81	5	94	96	60-140	1.92	30
Trichloroethene	5.27	5.42	5	105	108	60-140	2.83	30
Xylenes, Total	14.8	14.5	15	99	96	60-140	2.17	30
Surrogate Recovery								
Dibromofluoromethane	14.0	14.0	12.5	112	112	70-130	0	30
Toluene-d8	13.3	13.3	12.5	107	106	70-130	0.164	30
4-BFB	1.28	1.32	1.25	103	106	70-130	3.11	30

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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1611548 **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: rtoth@advgeoenv.com;
PO:
ProjectNo: Swiss Valley Cleaners

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

Requested TAT: 5 days;

Date Received: **11/11/2016**
Date Logged: **11/11/2016**

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
1611548-001	Influent/Vapor	Air	11/11/2016 10:55	☐	A	A										
1611548-002	Effluent/Vapor	Air	11/11/2016 11:05	☐	A	A										

Test Legend:

1	8260B_A	2	8260B_A(UG/M3)	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

The following SampIDs: 001A, 002A contain testgroup 8260B_A.

Comments:

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

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WORK ORDER SUMMARY

Client Name: ADVANCED GEOENVIRONMENTAL, INC. **Project:** Swiss Valley Cleaners **Work Order:** 1611548
Client Contact: Daniel Villanueva **QC Level:** LEVEL 2
Contact's Email: dvillanueva@advgeoenv.com **Comments:** **Date Logged:** 11/11/2016

☐ 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
1611548-001A	Influent/Vapor	Air	VOCs by PT & GCMS	1	Tedlar	☐	11/11/2016 10:55	5 days		☐	
1611548-002A	Effluent/Vapor	Air	VOCs by PT & GCMS	1	Tedlar	☐	11/11/2016 11:05	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.

General COC

MAI Work Order # 1611548

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CHAIN OF CUSTODY RECORD

Turn Around Time: 1 Day Rush | 2 Day Rush | 3 Day Rush | STD [X] | Quote #
J-Flag / MDL | ESL | Cleanup Approved | Bottle Order #
Delivery Format: GeoTracker EDF | PDF | EDD | Write On (DW) | EQuIS

Report To: Bill To:
Company: Advanced GeoEnvironmental
Email: DVillanueva@advgeoenv.com
Alt Email: Rtath@advgeoenv.com Tele:
Project Name/#: Swiss Valley Cleaners
Project Location: San Leandro PO #
Sampler Signature: Renetha

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	VOCs #8260
Influent Vapor	11-11-16	1055		A																	X
Effluent/Vapor	11-11-16	1105		A																	X

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
Renetha/Advanced Geo Environmental	11-11-16	1230		11/11/16	1230

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

Page ___ of ___

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Sample Receipt Checklist

Client Name:	**Advanced GeoEnvironmental, Inc.**	Date and Time Received	**11/11/2016 12:30**
Project Name:	**Swiss Valley Cleaners**	Date Logged:	**11/11/2016**
		Received by:	Jena Alfaro
WorkOrder №:	**1611548** Matrix: Air	Logged by:	Jena Alfaro
Carrier:	Client Drop-In		

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	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: 1612703

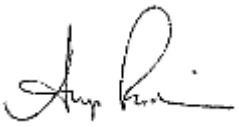
Report Created for: Advanced GeoEnvironmental, Inc.

837 Shaw Road
Stockton, CA 95215

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

Project Received: 12/15/2016

Analytical Report reviewed & approved for release on 12/21/2016 by:



Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: Advanced GeoEnvironmental, Inc.
Project: Swiss Valley Cleaners
WorkOrder: 1612703

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

H	samples were analyzed out of holding time

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612703
Date Received:	12/15/16 12:55	**Extraction Method:**	SW5030B
Date Prepared:	12/15/16-12/16/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Influent/Vapor	1612703-001A	Air	12/15/2016 11:50	GC18	131381

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	H	0.25	1	12/16/2016 17:59
Benzene	ND	H	0.25	1	12/16/2016 17:59
Bromobenzene	ND	H	0.25	1	12/16/2016 17:59
Bromochloromethane	ND	H	0.25	1	12/16/2016 17:59
Bromodichloromethane	ND	H	0.25	1	12/16/2016 17:59
Bromoform	ND	H	0.25	1	12/16/2016 17:59
Bromomethane	ND	H	0.25	1	12/16/2016 17:59
t-Butyl alcohol (TBA)	ND	H	2.5	1	12/16/2016 17:59
n-Butyl benzene	ND	H	0.25	1	12/16/2016 17:59
sec-Butyl benzene	ND	H	0.25	1	12/16/2016 17:59
tert-Butyl benzene	ND	H	0.25	1	12/16/2016 17:59
Carbon Disulfide	ND	H	0.25	1	12/16/2016 17:59
Carbon Tetrachloride	ND	H	0.25	1	12/16/2016 17:59
Chlorobenzene	ND	H	0.25	1	12/16/2016 17:59
Chloroethane	ND	H	0.25	1	12/16/2016 17:59
Chloroform	ND	H	0.25	1	12/16/2016 17:59
Chloromethane	ND	H	0.25	1	12/16/2016 17:59
2-Chlorotoluene	ND	H	0.25	1	12/16/2016 17:59
4-Chlorotoluene	ND	H	0.25	1	12/16/2016 17:59
Dibromochloromethane	ND	H	0.25	1	12/16/2016 17:59
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	12/16/2016 17:59
1,2-Dibromoethane (EDB)	ND	H	0.25	1	12/16/2016 17:59
Dibromomethane	ND	H	0.25	1	12/16/2016 17:59
1,2-Dichlorobenzene	ND	H	0.25	1	12/16/2016 17:59
1,3-Dichlorobenzene	ND	H	0.25	1	12/16/2016 17:59
1,4-Dichlorobenzene	ND	H	0.25	1	12/16/2016 17:59
Dichlorodifluoromethane	ND	H	0.25	1	12/16/2016 17:59
1,1-Dichloroethane	ND	H	0.25	1	12/16/2016 17:59
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	12/16/2016 17:59
1,1-Dichloroethene	ND	H	0.25	1	12/16/2016 17:59
cis-1,2-Dichloroethene	ND	H	0.25	1	12/16/2016 17:59
trans-1,2-Dichloroethene	ND	H	0.25	1	12/16/2016 17:59
1,2-Dichloropropane	ND	H	0.25	1	12/16/2016 17:59
1,3-Dichloropropane	ND	H	0.25	1	12/16/2016 17:59
2,2-Dichloropropane	ND	H	0.25	1	12/16/2016 17:59
1,1-Dichloropropene	ND	H	0.25	1	12/16/2016 17:59
cis-1,3-Dichloropropene	ND	H	0.25	1	12/16/2016 17:59

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612703
Date Received:	12/15/16 12:55	**Extraction Method:**	SW5030B
Date Prepared:	12/15/16-12/16/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Influent/Vapor	**1612703-001A**	**Air**	**12/15/2016 11:50**	**GC18**	**131381**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
trans-1,3-Dichloropropene	ND	H	0.25	1	12/16/2016 17:59
Diisopropyl ether (DIPE)	ND	H	0.25	1	12/16/2016 17:59
Ethylbenzene	ND	H	0.25	1	12/16/2016 17:59
Ethyl tert-butyl ether (ETBE)	ND	H	0.25	1	12/16/2016 17:59
Freon 113	ND	H	5.0	1	12/16/2016 17:59
Hexachlorobutadiene	ND	H	0.25	1	12/16/2016 17:59
Hexachloroethane	ND	H	0.25	1	12/16/2016 17:59
2-Hexanone	ND	H	0.25	1	12/16/2016 17:59
Isopropylbenzene	ND	H	0.25	1	12/16/2016 17:59
4-Isopropyl toluene	ND	H	0.25	1	12/16/2016 17:59
Methyl-t-butyl ether (MTBE)	ND	H	0.25	1	12/16/2016 17:59
Methylene chloride	ND	H	0.25	1	12/16/2016 17:59
n-Propyl benzene	ND	H	0.25	1	12/16/2016 17:59
Styrene	ND	H	0.25	1	12/16/2016 17:59
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	12/16/2016 17:59
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	12/16/2016 17:59
Tetrachloroethene	**3.4**	H	0.25	1	12/16/2016 17:59
Toluene	ND	H	0.25	1	12/16/2016 17:59
1,2,3-Trichlorobenzene	ND	H	0.25	1	12/16/2016 17:59
1,2,4-Trichlorobenzene	ND	H	0.25	1	12/16/2016 17:59
1,1,1-Trichloroethane	ND	H	0.25	1	12/16/2016 17:59
1,1,2-Trichloroethane	ND	H	0.25	1	12/16/2016 17:59
Trichloroethene	ND	H	0.25	1	12/16/2016 17:59
Trichlorofluoromethane	ND	H	0.25	1	12/16/2016 17:59
1,2,3-Trichloropropane	ND	H	0.25	1	12/16/2016 17:59
1,2,4-Trimethylbenzene	ND	H	0.25	1	12/16/2016 17:59
1,3,5-Trimethylbenzene	ND	H	0.25	1	12/16/2016 17:59
Vinyl Chloride	ND	H	0.25	1	12/16/2016 17:59
Xylenes, Total	ND	H	0.25	1	12/16/2016 17:59

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	103	H	70-130	12/16/2016 17:59
Toluene-d8	102	H	70-130	12/16/2016 17:59
4-BFB	78	H	70-130	12/16/2016 17:59

Analyst(s): HK

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612703
Date Received:	12/15/16 12:55	**Extraction Method:**	SW5030B
Date Prepared:	12/15/16-12/16/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Effluent/Vapor	1612703-002A	Air	12/15/2016 11:54	GC16	131381

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	H	0.25	1	12/15/2016 21:34
Benzene	ND	H	0.25	1	12/15/2016 21:34
Bromobenzene	ND	H	0.25	1	12/15/2016 21:34
Bromochloromethane	ND	H	0.25	1	12/15/2016 21:34
Bromodichloromethane	ND	H	0.25	1	12/15/2016 21:34
Bromoform	ND	H	0.25	1	12/15/2016 21:34
Bromomethane	ND	H	0.25	1	12/15/2016 21:34
t-Butyl alcohol (TBA)	ND	H	2.5	1	12/15/2016 21:34
n-Butyl benzene	ND	H	0.25	1	12/15/2016 21:34
sec-Butyl benzene	ND	H	0.25	1	12/15/2016 21:34
tert-Butyl benzene	ND	H	0.25	1	12/15/2016 21:34
Carbon Disulfide	ND	H	0.25	1	12/15/2016 21:34
Carbon Tetrachloride	ND	H	0.25	1	12/15/2016 21:34
Chlorobenzene	ND	H	0.25	1	12/15/2016 21:34
Chloroethane	ND	H	0.25	1	12/15/2016 21:34
Chloroform	ND	H	0.25	1	12/15/2016 21:34
Chloromethane	ND	H	0.25	1	12/15/2016 21:34
2-Chlorotoluene	ND	H	0.25	1	12/15/2016 21:34
4-Chlorotoluene	ND	H	0.25	1	12/15/2016 21:34
Dibromochloromethane	ND	H	0.25	1	12/15/2016 21:34
1,2-Dibromo-3-chloropropane	ND	H	0.25	1	12/15/2016 21:34
1,2-Dibromoethane (EDB)	ND	H	0.25	1	12/15/2016 21:34
Dibromomethane	ND	H	0.25	1	12/15/2016 21:34
1,2-Dichlorobenzene	ND	H	0.25	1	12/15/2016 21:34
1,3-Dichlorobenzene	ND	H	0.25	1	12/15/2016 21:34
1,4-Dichlorobenzene	ND	H	0.25	1	12/15/2016 21:34
Dichlorodifluoromethane	ND	H	0.25	1	12/15/2016 21:34
1,1-Dichloroethane	ND	H	0.25	1	12/15/2016 21:34
1,2-Dichloroethane (1,2-DCA)	ND	H	0.25	1	12/15/2016 21:34
1,1-Dichloroethene	ND	H	0.25	1	12/15/2016 21:34
cis-1,2-Dichloroethene	ND	H	0.25	1	12/15/2016 21:34
trans-1,2-Dichloroethene	ND	H	0.25	1	12/15/2016 21:34
1,2-Dichloropropane	ND	H	0.25	1	12/15/2016 21:34
1,3-Dichloropropane	ND	H	0.25	1	12/15/2016 21:34
2,2-Dichloropropane	ND	H	0.25	1	12/15/2016 21:34
1,1-Dichloropropene	ND	H	0.25	1	12/15/2016 21:34
cis-1,3-Dichloropropene	ND	H	0.25	1	12/15/2016 21:34

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612703
Date Received:	12/15/16 12:55	**Extraction Method:**	SW5030B
Date Prepared:	12/15/16-12/16/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/L

Volatile Organics

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Effluent/Vapor	**1612703-002A**	**Air**	**12/15/2016 11:54**	**GC16**	**131381**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
trans-1,3-Dichloropropene	ND	H	0.25	1	12/15/2016 21:34
Diisopropyl ether (DIPE)	ND	H	0.25	1	12/15/2016 21:34
Ethylbenzene	ND	H	0.25	1	12/15/2016 21:34
Ethyl tert-butyl ether (ETBE)	ND	H	0.25	1	12/15/2016 21:34
Freon 113	ND	H	5.0	1	12/15/2016 21:34
Hexachlorobutadiene	ND	H	0.25	1	12/15/2016 21:34
Hexachloroethane	ND	H	0.25	1	12/15/2016 21:34
2-Hexanone	ND	H	0.25	1	12/15/2016 21:34
Isopropylbenzene	ND	H	0.25	1	12/15/2016 21:34
4-Isopropyl toluene	ND	H	0.25	1	12/15/2016 21:34
Methyl-t-butyl ether (MTBE)	ND	H	0.25	1	12/15/2016 21:34
Methylene chloride	ND	H	0.25	1	12/15/2016 21:34
n-Propyl benzene	ND	H	0.25	1	12/15/2016 21:34
Styrene	ND	H	0.25	1	12/15/2016 21:34
1,1,1,2-Tetrachloroethane	ND	H	0.25	1	12/15/2016 21:34
1,1,2,2-Tetrachloroethane	ND	H	0.25	1	12/15/2016 21:34
Tetrachloroethene	ND	H	0.25	1	12/15/2016 21:34
Toluene	ND	H	0.25	1	12/15/2016 21:34
1,2,3-Trichlorobenzene	ND	H	0.25	1	12/15/2016 21:34
1,2,4-Trichlorobenzene	ND	H	0.25	1	12/15/2016 21:34
1,1,1-Trichloroethane	ND	H	0.25	1	12/15/2016 21:34
1,1,2-Trichloroethane	ND	H	0.25	1	12/15/2016 21:34
Trichloroethene	ND	H	0.25	1	12/15/2016 21:34
Trichlorofluoromethane	ND	H	0.25	1	12/15/2016 21:34
1,2,3-Trichloropropane	ND	H	0.25	1	12/15/2016 21:34
1,2,4-Trimethylbenzene	ND	H	0.25	1	12/15/2016 21:34
1,3,5-Trimethylbenzene	ND	H	0.25	1	12/15/2016 21:34
Vinyl Chloride	ND	H	0.25	1	12/15/2016 21:34
Xylenes, Total	ND	H	0.25	1	12/15/2016 21:34

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	104	H	70-130	12/15/2016 21:34
Toluene-d8	105	H	70-130	12/15/2016 21:34
4-BFB	102	H	70-130	12/15/2016 21:34

Analyst(s): JEM

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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612703
Date Received:	12/15/16 12:55	**Extraction Method:**	SW5030B
Date Prepared:	12/15/16-12/16/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/m³

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Influent/Vapor	1612703-001A	Air	12/15/2016 11:50	GC18	131381

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	H	250	1	12/16/2016 17:59
Benzene	ND	H	250	1	12/16/2016 17:59
Bromobenzene	ND	H	250	1	12/16/2016 17:59
Bromochloromethane	ND	H	250	1	12/16/2016 17:59
Bromodichloromethane	ND	H	250	1	12/16/2016 17:59
Bromoform	ND	H	250	1	12/16/2016 17:59
Bromomethane	ND	H	250	1	12/16/2016 17:59
t-Butyl alcohol (TBA)	ND	H	2500	1	12/16/2016 17:59
n-Butyl benzene	ND	H	250	1	12/16/2016 17:59
sec-Butyl benzene	ND	H	250	1	12/16/2016 17:59
tert-Butyl benzene	ND	H	250	1	12/16/2016 17:59
Carbon Disulfide	ND	H	250	1	12/16/2016 17:59
Carbon Tetrachloride	ND	H	250	1	12/16/2016 17:59
Chlorobenzene	ND	H	250	1	12/16/2016 17:59
Chloroethane	ND	H	250	1	12/16/2016 17:59
Chloroform	ND	H	250	1	12/16/2016 17:59
Chloromethane	ND	H	250	1	12/16/2016 17:59
2-Chlorotoluene	ND	H	250	1	12/16/2016 17:59
4-Chlorotoluene	ND	H	250	1	12/16/2016 17:59
Dibromochloromethane	ND	H	250	1	12/16/2016 17:59
1,2-Dibromo-3-chloropropane	ND	H	250	1	12/16/2016 17:59
1,2-Dibromoethane (EDB)	ND	H	250	1	12/16/2016 17:59
Dibromomethane	ND	H	250	1	12/16/2016 17:59
1,2-Dichlorobenzene	ND	H	250	1	12/16/2016 17:59
1,3-Dichlorobenzene	ND	H	250	1	12/16/2016 17:59
1,4-Dichlorobenzene	ND	H	250	1	12/16/2016 17:59
Dichlorodifluoromethane	ND	H	250	1	12/16/2016 17:59
1,1-Dichloroethane	ND	H	250	1	12/16/2016 17:59
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	12/16/2016 17:59
1,1-Dichloroethene	ND	H	250	1	12/16/2016 17:59
cis-1,2-Dichloroethene	ND	H	250	1	12/16/2016 17:59
trans-1,2-Dichloroethene	ND	H	250	1	12/16/2016 17:59
1,2-Dichloropropane	ND	H	250	1	12/16/2016 17:59
1,3-Dichloropropane	ND	H	250	1	12/16/2016 17:59
2,2-Dichloropropane	ND	H	250	1	12/16/2016 17:59
1,1-Dichloropropene	ND	H	250	1	12/16/2016 17:59
cis-1,3-Dichloropropene	ND	H	250	1	12/16/2016 17:59

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Analytical Report

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Date Received:	12/15/16 12:55	**Extraction Method:**	SW5030B
Date Prepared:	12/15/16-12/16/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/m³

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Influent/Vapor	**1612703-001A**	**Air**	**12/15/2016 11:50**	**GC18**	**131381**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
trans-1,3-Dichloropropene	ND	H	250	1	12/16/2016 17:59
Diisopropyl ether (DIPE)	ND	H	250	1	12/16/2016 17:59
Ethylbenzene	ND	H	250	1	12/16/2016 17:59
Ethyl tert-butyl ether (ETBE)	ND	H	250	1	12/16/2016 17:59
Freon 113	ND	H	5000	1	12/16/2016 17:59
Hexachlorobutadiene	ND	H	250	1	12/16/2016 17:59
Hexachloroethane	ND	H	250	1	12/16/2016 17:59
2-Hexanone	ND	H	250	1	12/16/2016 17:59
Isopropylbenzene	ND	H	250	1	12/16/2016 17:59
4-Isopropyl toluene	ND	H	250	1	12/16/2016 17:59
Methyl-t-butyl ether (MTBE)	ND	H	250	1	12/16/2016 17:59
Methylene chloride	ND	H	250	1	12/16/2016 17:59
n-Propyl benzene	ND	H	250	1	12/16/2016 17:59
Styrene	ND	H	250	1	12/16/2016 17:59
1,1,1,2-Tetrachloroethane	ND	H	250	1	12/16/2016 17:59
1,1,2,2-Tetrachloroethane	ND	H	250	1	12/16/2016 17:59
Tetrachloroethene	**3400**	H	250	1	12/16/2016 17:59
Toluene	ND	H	250	1	12/16/2016 17:59
1,2,3-Trichlorobenzene	ND	H	250	1	12/16/2016 17:59
1,2,4-Trichlorobenzene	ND	H	250	1	12/16/2016 17:59
1,1,1-Trichloroethane	ND	H	250	1	12/16/2016 17:59
1,1,2-Trichloroethane	ND	H	250	1	12/16/2016 17:59
Trichloroethene	ND	H	250	1	12/16/2016 17:59
Trichlorofluoromethane	ND	H	250	1	12/16/2016 17:59
1,2,3-Trichloropropane	ND	H	250	1	12/16/2016 17:59
1,2,4-Trimethylbenzene	ND	H	250	1	12/16/2016 17:59
1,3,5-Trimethylbenzene	ND	H	250	1	12/16/2016 17:59
Vinyl Chloride	ND	H	250	1	12/16/2016 17:59
Xylenes, Total	ND	H	250	1	12/16/2016 17:59

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	103	H	70-130	12/16/2016 17:59
Toluene-d8	102	H	70-130	12/16/2016 17:59
4-BFB	78	H	70-130	12/16/2016 17:59

Analyst(s): HK

(Cont.)

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Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612703
Date Received:	12/15/16 12:55	**Extraction Method:**	SW5030B
Date Prepared:	12/15/16-12/16/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/m³

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Effluent/Vapor	1612703-002A	Air	12/15/2016 11:54	GC16	131381

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	H	250	1	12/15/2016 21:34
Benzene	ND	H	250	1	12/15/2016 21:34
Bromobenzene	ND	H	250	1	12/15/2016 21:34
Bromochloromethane	ND	H	250	1	12/15/2016 21:34
Bromodichloromethane	ND	H	250	1	12/15/2016 21:34
Bromoform	ND	H	250	1	12/15/2016 21:34
Bromomethane	ND	H	250	1	12/15/2016 21:34
t-Butyl alcohol (TBA)	ND	H	2500	1	12/15/2016 21:34
n-Butyl benzene	ND	H	250	1	12/15/2016 21:34
sec-Butyl benzene	ND	H	250	1	12/15/2016 21:34
tert-Butyl benzene	ND	H	250	1	12/15/2016 21:34
Carbon Disulfide	ND	H	250	1	12/15/2016 21:34
Carbon Tetrachloride	ND	H	250	1	12/15/2016 21:34
Chlorobenzene	ND	H	250	1	12/15/2016 21:34
Chloroethane	ND	H	250	1	12/15/2016 21:34
Chloroform	ND	H	250	1	12/15/2016 21:34
Chloromethane	ND	H	250	1	12/15/2016 21:34
2-Chlorotoluene	ND	H	250	1	12/15/2016 21:34
4-Chlorotoluene	ND	H	250	1	12/15/2016 21:34
Dibromochloromethane	ND	H	250	1	12/15/2016 21:34
1,2-Dibromo-3-chloropropane	ND	H	250	1	12/15/2016 21:34
1,2-Dibromoethane (EDB)	ND	H	250	1	12/15/2016 21:34
Dibromomethane	ND	H	250	1	12/15/2016 21:34
1,2-Dichlorobenzene	ND	H	250	1	12/15/2016 21:34
1,3-Dichlorobenzene	ND	H	250	1	12/15/2016 21:34
1,4-Dichlorobenzene	ND	H	250	1	12/15/2016 21:34
Dichlorodifluoromethane	ND	H	250	1	12/15/2016 21:34
1,1-Dichloroethane	ND	H	250	1	12/15/2016 21:34
1,2-Dichloroethane (1,2-DCA)	ND	H	250	1	12/15/2016 21:34
1,1-Dichloroethene	ND	H	250	1	12/15/2016 21:34
cis-1,2-Dichloroethene	ND	H	250	1	12/15/2016 21:34
trans-1,2-Dichloroethene	ND	H	250	1	12/15/2016 21:34
1,2-Dichloropropane	ND	H	250	1	12/15/2016 21:34
1,3-Dichloropropane	ND	H	250	1	12/15/2016 21:34
2,2-Dichloropropane	ND	H	250	1	12/15/2016 21:34
1,1-Dichloropropene	ND	H	250	1	12/15/2016 21:34
cis-1,3-Dichloropropene	ND	H	250	1	12/15/2016 21:34

(Cont.)

NELAP 4033ORELAP

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Analytical Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612703
Date Received:	12/15/16 12:55	**Extraction Method:**	SW5030B
Date Prepared:	12/15/16-12/16/16	**Analytical Method:**	SW8260B
Project:	Swiss Valley Cleaners	**Unit:**	µg/m³

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

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Effluent/Vapor	1612703-002A	Air	12/15/2016 11:54	GC16	131381

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
trans-1,3-Dichloropropene	ND	H	250	1	12/15/2016 21:34
Diisopropyl ether (DIPE)	ND	H	250	1	12/15/2016 21:34
Ethylbenzene	ND	H	250	1	12/15/2016 21:34
Ethyl tert-butyl ether (ETBE)	ND	H	250	1	12/15/2016 21:34
Freon 113	ND	H	5000	1	12/15/2016 21:34
Hexachlorobutadiene	ND	H	250	1	12/15/2016 21:34
Hexachloroethane	ND	H	250	1	12/15/2016 21:34
2-Hexanone	ND	H	250	1	12/15/2016 21:34
Isopropylbenzene	ND	H	250	1	12/15/2016 21:34
4-Isopropyl toluene	ND	H	250	1	12/15/2016 21:34
Methyl-t-butyl ether (MTBE)	ND	H	250	1	12/15/2016 21:34
Methylene chloride	ND	H	250	1	12/15/2016 21:34
n-Propyl benzene	ND	H	250	1	12/15/2016 21:34
Styrene	ND	H	250	1	12/15/2016 21:34
1,1,1,2-Tetrachloroethane	ND	H	250	1	12/15/2016 21:34
1,1,2,2-Tetrachloroethane	ND	H	250	1	12/15/2016 21:34
Tetrachloroethene	ND	H	250	1	12/15/2016 21:34
Toluene	ND	H	250	1	12/15/2016 21:34
1,2,3-Trichlorobenzene	ND	H	250	1	12/15/2016 21:34
1,2,4-Trichlorobenzene	ND	H	250	1	12/15/2016 21:34
1,1,1-Trichloroethane	ND	H	250	1	12/15/2016 21:34
1,1,2-Trichloroethane	ND	H	250	1	12/15/2016 21:34
Trichloroethene	ND	H	250	1	12/15/2016 21:34
Trichlorofluoromethane	ND	H	250	1	12/15/2016 21:34
1,2,3-Trichloropropane	ND	H	250	1	12/15/2016 21:34
1,2,4-Trimethylbenzene	ND	H	250	1	12/15/2016 21:34
1,3,5-Trimethylbenzene	ND	H	250	1	12/15/2016 21:34
Vinyl Chloride	ND	H	250	1	12/15/2016 21:34
Xylenes, Total	ND	H	250	1	12/15/2016 21:34

Surrogates	REC (%)	Qualifiers	Limits	
Dibromofluoromethane	104	H	70-130	12/15/2016 21:34
Toluene-d8	105	H	70-130	12/15/2016 21:34
4-BFB	102	H	70-130	12/15/2016 21:34

Analyst(s): JEM

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612703
Date Prepared:	12/15/16	**BatchID:**	131381
Date Analyzed:	12/15/16	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Air	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS/LCSD-131381

QC Summary Report for SW8260B

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
tert-Amyl methyl ether (TAME)	ND<0.12	0.12	-	-	-
Benzene	ND<0.12	0.12	-	-	-
Bromobenzene	ND<0.12	0.12	-	-	-
Bromochloromethane	ND<0.12	0.12	-	-	-
Bromodichloromethane	ND<0.12	0.12	-	-	-
Bromoform	ND<0.12	0.12	-	-	-
Bromomethane	ND<0.12	0.12	-	-	-
t-Butyl alcohol (TBA)	ND<1.2	1.2	-	-	-
n-Butyl benzene	ND<0.12	0.12	-	-	-
sec-Butyl benzene	ND<0.12	0.12	-	-	-
tert-Butyl benzene	ND<0.12	0.12	-	-	-
Carbon Disulfide	ND<0.12	0.12	-	-	-
Carbon Tetrachloride	ND<0.12	0.12	-	-	-
Chlorobenzene	ND<0.12	0.12	-	-	-
Chloroethane	ND<0.12	0.12	-	-	-
Chloroform	ND<0.12	0.12	-	-	-
Chloromethane	ND<0.12	0.12	-	-	-
2-Chlorotoluene	ND<0.12	0.12	-	-	-
4-Chlorotoluene	ND<0.12	0.12	-	-	-
Dibromochloromethane	ND<0.12	0.12	-	-	-
1,2-Dibromo-3-chloropropane	ND<0.12	0.12	-	-	-
1,2-Dibromoethane (EDB)	ND<0.12	0.12	-	-	-
Dibromomethane	ND<0.12	0.12	-	-	-
1,2-Dichlorobenzene	ND<0.12	0.12	-	-	-
1,3-Dichlorobenzene	ND<0.12	0.12	-	-	-
1,4-Dichlorobenzene	ND<0.12	0.12	-	-	-
Dichlorodifluoromethane	ND<0.12	0.12	-	-	-
1,1-Dichloroethane	ND<0.12	0.12	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND<0.12	0.12	-	-	-
1,1-Dichloroethene	ND<0.12	0.12	-	-	-
cis-1,2-Dichloroethene	ND<0.12	0.12	-	-	-
trans-1,2-Dichloroethene	ND<0.12	0.12	-	-	-
1,2-Dichloropropane	ND<0.12	0.12	-	-	-
1,3-Dichloropropane	ND<0.12	0.12	-	-	-
2,2-Dichloropropane	ND<0.12	0.12	-	-	-
1,1-Dichloropropene	ND<0.12	0.12	-	-	-
cis-1,3-Dichloropropene	ND<0.12	0.12	-	-	-
trans-1,3-Dichloropropene	ND<0.12	0.12	-	-	-
Diisopropyl ether (DIPE)	ND<0.12	0.12	-	-	-

(Cont.)

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612703
Date Prepared:	12/15/16	**BatchID:**	131381
Date Analyzed:	12/15/16	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Air	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS/LCSD-131381

QC Summary Report for SW8260B

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
Ethylbenzene	ND<0.12	0.12	-	-	-
Ethyl tert-butyl ether (ETBE)	ND<0.12	0.12	-	-	-
Freon 113	ND<2.5	2.5	-	-	-
Hexachlorobutadiene	ND<0.12	0.12	-	-	-
Hexachloroethane	ND<0.12	0.12	-	-	-
2-Hexanone	ND<0.12	0.12	-	-	-
Isopropylbenzene	ND<0.12	0.12	-	-	-
4-Isopropyl toluene	ND<0.12	0.12	-	-	-
Methyl-t-butyl ether (MTBE)	ND<0.12	0.12	-	-	-
Methylene chloride	ND<0.12	0.12	-	-	-
n-Propyl benzene	ND<0.12	0.12	-	-	-
Styrene	ND<0.12	0.12	-	-	-
1,1,1,2-Tetrachloroethane	ND<0.12	0.12	-	-	-
1,1,2,2-Tetrachloroethane	ND<0.12	0.12	-	-	-
Tetrachloroethene	ND<0.12	0.12	-	-	-
Toluene	ND<0.12	0.12	-	-	-
1,2,3-Trichlorobenzene	ND<0.12	0.12	-	-	-
1,2,4-Trichlorobenzene	ND<0.12	0.12	-	-	-
1,1,1-Trichloroethane	ND<0.12	0.12	-	-	-
1,1,2-Trichloroethane	ND<0.12	0.12	-	-	-
Trichloroethene	ND<0.12	0.12	-	-	-
Trichlorofluoromethane	ND<0.12	0.12	-	-	-
1,2,3-Trichloropropane	ND<0.12	0.12	-	-	-
1,2,4-Trimethylbenzene	ND<0.12	0.12	-	-	-
1,3,5-Trimethylbenzene	ND<0.12	0.12	-	-	-
Vinyl Chloride	ND<0.12	0.12	-	-	-
Xylenes, Total	ND<0.12	0.12	-	-	-
Surrogate Recovery					
Dibromofluoromethane	6.48		12.5	104	70-130
Toluene-d8	6.63		12.5	106	70-130
4-BFB	0.611		1.25	98	70-130

(Cont.)

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612703
Date Prepared:	12/15/16	**BatchID:**	131381
Date Analyzed:	12/15/16	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Air	**Unit:**	µg/L
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS/LCSD-131381

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	4.12	4.10	5	82	82	60-140	0	30
Benzene	5.00	4.91	5	100	98	60-140	1.89	30
t-Butyl alcohol (TBA)	12.7	13.4	20	63	67	60-140	5.85	30
Chlorobenzene	4.55	4.43	5	91	89	60-140	2.54	30
1,2-Dibromoethane (EDB)	4.40	4.47	5	88	89	60-140	1.78	30
1,2-Dichloroethane (1,2-DCA)	4.13	4.16	5	83	83	60-140	0	30
1,1-Dichloroethene	4.56	4.56	5	91	91	60-140	0	30
Diisopropyl ether (DIPE)	4.72	4.71	5	94	94	60-140	0	30
Ethylbenzene	4.65	4.44	5	93	89	60-140	4.65	30
Ethyl tert-butyl ether (ETBE)	4.44	4.47	5	89	89	60-140	0	30
Methyl-t-butyl ether (MTBE)	4.34	4.35	5	87	87	60-140	0	30
Toluene	4.68	4.60	5	94	92	60-140	1.66	30
Trichloroethene	4.54	4.47	5	91	89	60-140	1.63	30
Xylenes, Total	13.8	12.6	15	92	84	60-140	9.61	30
Surrogate Recovery								
Dibromofluoromethane	13.0	13.2	12.5	104	105	70-130	1.42	30
Toluene-d8	13.2	13.3	12.5	106	106	70-130	0	30
4-BFB	1.19	1.19	1.25	96	95	70-130	0.302	30

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612703
Date Prepared:	12/15/16	**BatchID:**	131381
Date Analyzed:	12/15/16	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Air	**Unit:**	µg/m³
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS/LCSD-131381

QC Summary Report for SW8260B

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
tert-Amyl methyl ether (TAME)	ND	250	-	-	-
Benzene	ND	250	-	-	-
Bromobenzene	ND	250	-	-	-
Bromochloromethane	ND	250	-	-	-
Bromodichloromethane	ND	250	-	-	-
Bromoform	ND	250	-	-	-
Bromomethane	ND	250	-	-	-
t-Butyl alcohol (TBA)	ND	2500	-	-	-
n-Butyl benzene	ND	250	-	-	-
sec-Butyl benzene	ND	250	-	-	-
tert-Butyl benzene	ND	250	-	-	-
Carbon Disulfide	ND	250	-	-	-
Carbon Tetrachloride	ND	250	-	-	-
Chlorobenzene	ND	250	-	-	-
Chloroethane	ND	250	-	-	-
Chloroform	ND	250	-	-	-
Chloromethane	ND	250	-	-	-
2-Chlorotoluene	ND	250	-	-	-
4-Chlorotoluene	ND	250	-	-	-
Dibromochloromethane	ND	250	-	-	-
1,2-Dibromo-3-chloropropane	ND	250	-	-	-
1,2-Dibromoethane (EDB)	ND	250	-	-	-
Dibromomethane	ND	250	-	-	-
1,2-Dichlorobenzene	ND	250	-	-	-
1,3-Dichlorobenzene	ND	250	-	-	-
1,4-Dichlorobenzene	ND	250	-	-	-
Dichlorodifluoromethane	ND	250	-	-	-
1,1-Dichloroethane	ND	250	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	250	-	-	-
1,1-Dichloroethene	ND	250	-	-	-
cis-1,2-Dichloroethene	ND	250	-	-	-
trans-1,2-Dichloroethene	ND	250	-	-	-
1,2-Dichloropropane	ND	250	-	-	-
1,3-Dichloropropane	ND	250	-	-	-
2,2-Dichloropropane	ND	250	-	-	-
1,1-Dichloropropene	ND	250	-	-	-
cis-1,3-Dichloropropene	ND	250	-	-	-
trans-1,3-Dichloropropene	ND	250	-	-	-
Diisopropyl ether (DIPE)	ND	250	-	-	-

(Cont.)

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612703
Date Prepared:	12/15/16	**BatchID:**	131381
Date Analyzed:	12/15/16	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Air	**Unit:**	µg/m³
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS/LCSD-131381

QC Summary Report for SW8260B

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
Ethylbenzene	ND	250	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	250	-	-	-
Freon 113	ND	5000	-	-	-
Hexachlorobutadiene	ND	250	-	-	-
Hexachloroethane	ND	250	-	-	-
2-Hexanone	ND	250	-	-	-
Isopropylbenzene	ND	250	-	-	-
4-Isopropyl toluene	ND	250	-	-	-
Methyl-t-butyl ether (MTBE)	ND	250	-	-	-
Methylene chloride	ND	250	-	-	-
Naphthalene	ND	250	-	-	-
n-Propyl benzene	ND	250	-	-	-
Styrene	ND	250	-	-	-
1,1,1,2-Tetrachloroethane	ND	250	-	-	-
1,1,2,2-Tetrachloroethane	ND	250	-	-	-
Tetrachloroethene	ND	250	-	-	-
Toluene	ND	250	-	-	-
1,2,3-Trichlorobenzene	ND	250	-	-	-
1,2,4-Trichlorobenzene	ND	250	-	-	-
1,1,1-Trichloroethane	ND	250	-	-	-
1,1,2-Trichloroethane	ND	250	-	-	-
Trichloroethene	ND	250	-	-	-
Trichlorofluoromethane	ND	250	-	-	-
1,2,3-Trichloropropane	ND	250	-	-	-
1,2,4-Trimethylbenzene	ND	250	-	-	-
1,3,5-Trimethylbenzene	ND	250	-	-	-
Vinyl Chloride	ND	250	-	-	-
Xylenes, Total	ND	250	-	-	-
Surrogate Recovery					
Dibromofluoromethane	13,000		12500	104	70-130
Toluene-d8	13,200		12500	106	70-130
4-BFB	1220		1250	98	70-130

(Cont.)

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Quality Control Report

Client:	Advanced GeoEnvironmental, Inc.	**WorkOrder:**	1612703
Date Prepared:	12/15/16	**BatchID:**	131381
Date Analyzed:	12/15/16	**Extraction Method:**	SW5030B
Instrument:	GC16	**Analytical Method:**	SW8260B
Matrix:	Air	**Unit:**	µg/m³
Project:	Swiss Valley Cleaners	**Sample ID:**	MB/LCS/LCSD-131381

QC Summary Report for SW8260B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	4120	4100	5000	82	82	60-140	0	30
Benzene	5000	4910	5000	100	98	60-140	1.89	30
t-Butyl alcohol (TBA)	12,700	13,400	20000	63	67	60-140	5.85	30
Chlorobenzene	4550	4430	5000	91	89	60-140	2.54	30
1,2-Dibromoethane (EDB)	4400	4470	5000	88	89	60-140	1.78	30
1,2-Dichloroethane (1,2-DCA)	4130	4160	5000	83	83	60-140	0	30
1,1-Dichloroethene	4560	4560	5000	91	91	60-140	0	30
Diisopropyl ether (DIPE)	4720	4710	5000	94	94	60-140	0	30
Ethyl tert-butyl ether (ETBE)	4440	4470	5000	89	89	60-140	0	30
Methyl-t-butyl ether (MTBE)	4340	4350	5000	87	87	60-140	0	30
Toluene	4680	4600	5000	94	92	60-140	1.66	30
Trichloroethene	4540	4470	5000	91	89	60-140	1.63	30
Xylenes, Total	13,800	12,600	15000	92	84	60-140	9.61	30
Surrogate Recovery								
Dibromofluoromethane	13,000	13,200	12500	104	105	60-140	1.42	30
Toluene-d8	13,200	13,300	12500	106	106	60-140	0	30
4-BFB	1190	1190	1250	96	95	60-140	0.302	30

McCampbell Analytical, Inc.
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CHAIN-OF-CUSTODY RECORD

WorkOrder: 1612703 **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: **12/15/2016**
Date Logged: **12/15/2016**

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
1612703-001	Influent/Vapor	Air	12/15/2016 11:50	☐	A	A	A									
1612703-002	Effluent/Vapor	Air	12/15/2016 11:54	☐	A	A										

Test Legend:

1	8260B_A	2	8260B_A(UG/M3)	3	PREDF REPORT	4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

The following SampIDs: 001A, 002A contain testgroup 8260B_A.

Comments:

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

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WORK ORDER SUMMARY

Client Name: ADVANCED GEOENVIRONMENTAL, INC. **Project:** Swiss Valley Cleaners **Work Order:** 1612703
Client Contact: Daniel Villanueva **QC Level:** LEVEL 2
Contact's Email: dvillanueva@advgeoenv.com **Comments:** **Date Logged:** 12/15/2016

☐ 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
1612703-001A	Influent/Vapor	Air	VOCs by PT & GCMS	1	Tedlar	☐	12/15/2016 11:50	5 days		☐	
1612703-002A	Effluent/Vapor	Air	VOCs by PT & GCMS	1	Tedlar	☐	12/15/2016 11:54	5 days		☐	

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

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

Advanced GeoEnvironmental, Inc.

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
- [ ] _____

1612703

CHAIN OF CUSTODY RECORD

Date: 12/15/16 Page 1 of 1

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

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes	Analysis Required: 8260
Influent/vapor	12/15/16	1150	A	1		X
Effluent/vapor	12/15/16	1154	A	1		X

Relinquished by: Phil Martt	Date: 12/15/16	Time: 1255	Laboratory: McCampbell		
Courier: Delivered			Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date: 12/15/16	Time: 1255

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.

Phil Martt

Geotracker EDF to: [x] geotracker@advgeoenv.com [ ] _____

Global ID:

McCampbell Analytical, Inc.
"When Quality Counts"

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

Sample Receipt Checklist

Client Name:	**Advanced GeoEnvironmental, Inc.**	Date and Time Received	**12/15/2016 12:55**
Project Name:	**Swiss Valley Cleaners**	Date Logged:	**12/15/2016**
		Received by:	Maria Venegas
WorkOrder №:	**1612703** Matrix: Air	Logged by:	Jena Alfaro
Carrier:	Client Drop-In		

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes	☑	No	☐	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:

APPENDIX E

APPENDIX E

MASS-VOLUME CALCULATIONS
Swiss Valley Cleaners
1395 MacArthur Boulevard
San Leandro, California

M = C x Q x t

C = vapor concentration (kg/m^3)
Q = extraction flow rate (m^3/hr)
t = operational period (hrs)

To convert, multiply by: 0.000001
To convert, multiply by: 60 min/hr
and: 0.0283168 m^3/ft^3

M(kg) = (Avg concentration)(0.000001) x [flow(ft^3/min)](60 min/hr)(0.0283168 m^3/ft^3) x time(hrs)

Converting kg of M to lbs of M, multiply by: 2.2046 lbs/kg
Converting lbs of M to gal of M, multiply by: 0.074 gal/lb

Dates	Hours	Avgerage Flow		PCE Concentration		PCE Extracted		
		scfm	m^3/hr	µg/l	kg/m^3	kg	lbs	gallons
11/11/16 to 11/14/16	74.7	167	284	16.5	0.0000165	**0.3497**	**0.7710**	**0.05705**
11/14/16 to 11/15/16	23.9	171	291	9	0.000009	**0.0625**	**0.1378**	**0.0102**
11/15/16 to 11/16/16	23.4	171	291	6.5	0.0000065	**0.0442**	**0.0974**	**0.0072**
11/16/16 to 11/17/16	23.2	171	291	3.5	0.0000035	**0.0236**	**0.0520**	**0.0038**
11/17/16 to 12/15/16	670.9	171	291	2.2	0.0000022	**0.4288**	**0.9454**	**0.0700**
					Total PCE removed:	**0.9088**	**2.0036**	**0.1483**