



Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

May 8, 2019

Ms. Cindy Johnson
Donahue Schriber Realty Group
3501 Del Paso Road, Suite 100
Sacramento, CA 95835

Subject: Waste Disposal Soil Profile Screening Report

Westgate West – 24 Hour Fitness Pad
5365 Prospect Road
San Jose, California 95129
Converse Project No. 16-42-194-11

Ms. Johnson:

Converse Consultants (Converse) has received and reviewed the analytical results of the soil samples collected in the vicinity of the future 24 Hour Fitness (Tenant) space at the Westgate West Shopping Center, located at 5365 Prospect Road, San Jose, California (Site). The location of the Site is indicated on Figure 1. The soil samples were collected in general accordance with our proposal, dated April 12, 2019. It is understood that excess soils are anticipated to be generated during the planned redevelopment of the Tenant space, and that these soils will likely need to be disposed of offsite. The majority of the soils are anticipated to be generated from the installation of a bioretention basin in the parking area north of the building. Excavation of soils from this area are anticipated to extend to depths of approximately 4 feet below ground surface (bgs). The objective of this assessment was to collect representative samples of the soils anticipated to be generated to be used in generating a soil profile for waste disposal purposes.

On April 15, 2019 Converse used direct-push drilling methods to advance three (3) borings (SP-1 through SP-3) at the Site to depths of 4 feet bgs. Locations of the soil profile borings are indicated on Figure 2. At each location the asphalt paving was observed to be approximately 2 to 3 inches thick. Soil samples were collected in acetate sleeves from depths of 2 and 4 feet bgs. Sub-samples were collected from the sleeves of the samples collected from boring SP-1 in accordance with Environmental Protection Agency (EPA) Method 5035 using Encore containers. The sample containers capped, labeled, and placed on ice in a cooler for transport to a laboratory for analysis. A portion of each soil sample was also screened in the field for volatile organic compounds (VOCs) using a photoionization detector (PID); all readings were below the detection limit of the PID.

The samples were transported to American Environmental Testing Laboratory (AETL) in Burbank under chain-of-custody documentation for analysis. The laboratory was

requested to prepare two (2) composite samples (identified as Comp SP-2 and Comp SP-4) using the three (3) discrete samples collected from each depth.

The composite samples prepared by the laboratory were requested to be analyzed for the following:

- EPA Method 6010B/7470A – Title 22 (CAM 17) Metals
- EPA Method 8015M – Total Petroleum Hydrocarbon (TPH) carbon chain analysis (gasoline, diesel and oil ranges)
- EPA Method 8081A – Organochlorine Pesticides (OCPs)
- EPA Method 8082 – Polychlorinated Biphenyls (PCBs)
- EPA Method 8270C – Semi-volatile Organic Compounds (SVOCs)

The composite samples collected in accordance with EPA Method 5035 were requested to be analyzed for the following:

- EPA Method 8260B – Volatile Organic Compounds (VOCs)

Analytical results of the samples have been compared to hazardous waste disposal threshold criteria, Department of Toxic Substance Control (DTSC) and/or EPA health-risk based screening levels, as well as hazardous waste disposal thresholds. The final laboratory analytical report for the samples is attached. A summary of the results is presented on Table 1 and as follows:

- Metals – A total of eight (8) metals were detected in both of the composite samples analyzed; barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc. The other nine (9) metals reported, including arsenic, were not detected in any of the samples analyzed. The maximum concentrations of all detected metals are less than their respective health-risk based DTSC and/or EPA screening levels. All reported metals concentrations are also less than their respective hazardous waste disposal threshold values.
- Organochlorine Pesticides (OCPs) – One (1) OCP (DDD) was reported in one of the two composite samples analyzed. DDD was reported in sample Comp SP-4 at a concentration of 4.09 micrograms per kilogram ($\mu\text{g}/\text{kg}$). This reported concentration is well below its health-risk based screening levels and hazardous waste disposal threshold values.
- TPH was not reported in either of the composite samples analyzed.
- PCBs were not reported in either of the composite samples analyzed.
- SVOCs were not reported in either of the composite samples analyzed.
- VOCs were not reported in either of the discrete samples analyzed.

Waste Disposal Soil Profile Screening Report

Donahue Schriber Realty Group
Westgate West – 24 Hour fitness Pad
May 8, 2019

Results of the sample analyses indicate that all reported constituents are below their respective health-risk based screening levels and hazardous waste disposal threshold values. The soil is considered to be non-hazardous waste for disposal purposes, and may be suitable for reuse onsite, or at other project sites. A copy of this report should be presented for acceptance to the location that will potentially be receiving these soils.

This report has been prepared for the exclusive use of Donahue Schriber Realty Group in accordance with the terms and conditions under which these services were provided. Any reliance on this report by third parties shall be at third party's sole risk. Our services have been performed in accordance with applicable state and local ordinances, and generally accepted practices in the geosciences. No other warranty, either expressed or implied, is made.

Converse is not responsible or liable for the accuracy or completeness of available information provided by others. Site exploration identifies actual conditions only at those points where samples are taken, when they are taken.

Data derived through sampling and analytical testing are extrapolated by geoscientists who then render an opinion about overall conditions. Actual conditions in the areas not sampled may differ from the predictions. This report should not be regarded as a guarantee that no further contamination, beyond that which was detected in our investigation, is present beneath the property. In the event that changes to the property occur, or additional, relevant information about the property is brought to our attention, the recommendations contained in this report may not be valid unless these changes and additional relevant information are reviewed and the recommendations of this report are modified in writing.

We appreciate the opportunity to be of service. Should you have any questions or comments regarding this report, please contact Michael Van Fleet at (626) 930-1267 or Laura Tanaka (626) 930-1261.

Sincerely,

CONVERSE CONSULTANTS



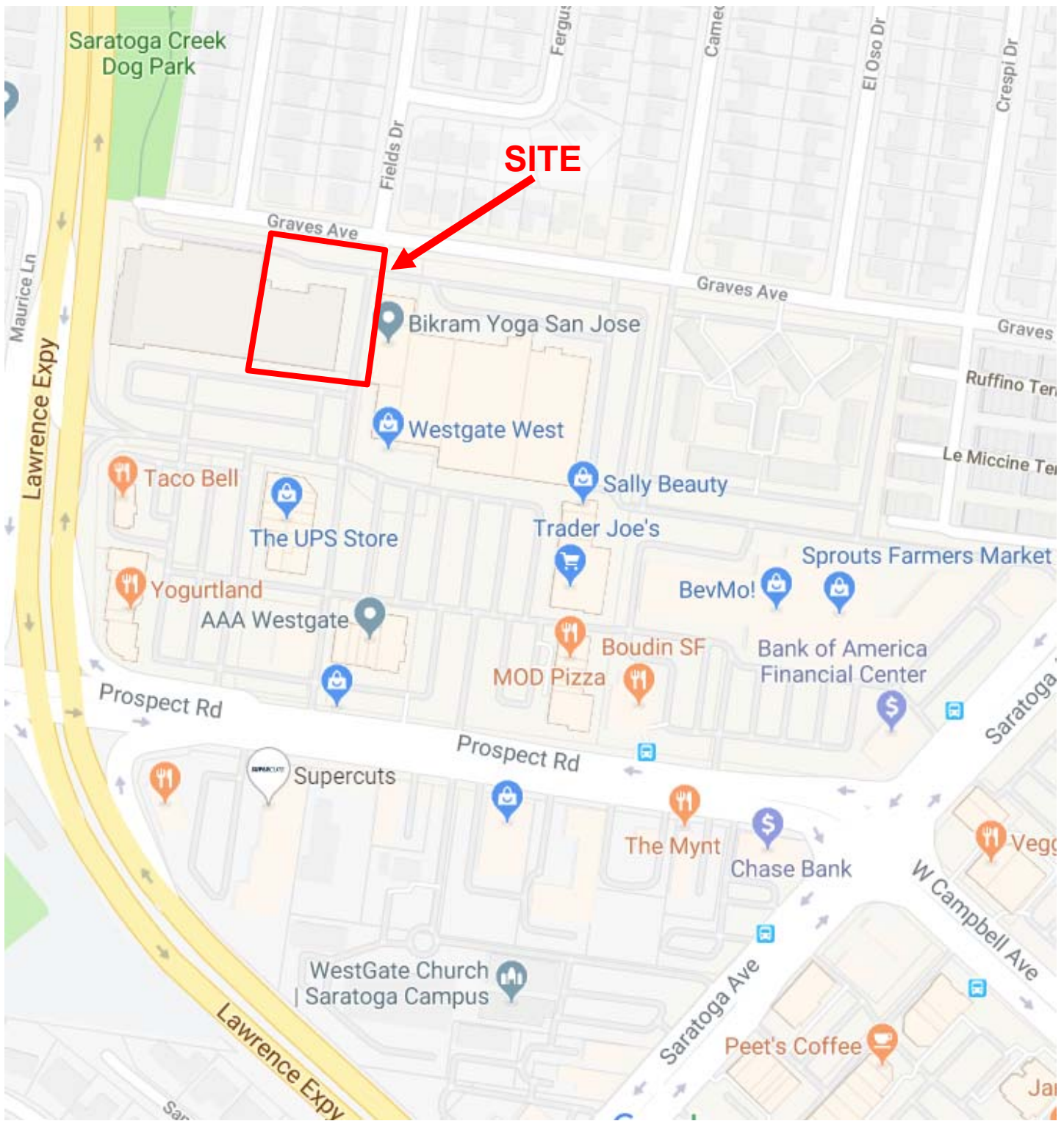
Michael Van Fleet, PG
Senior Geologist



Laura Tanaka
Principal Environmental Scientist

Atch: Figure 1 – Soil Sampling Locations
Table 1 – Summary Analytical Results
Final Laboratory Report

Dist: 1/Addressee via electronic mail



SITE LOCATION



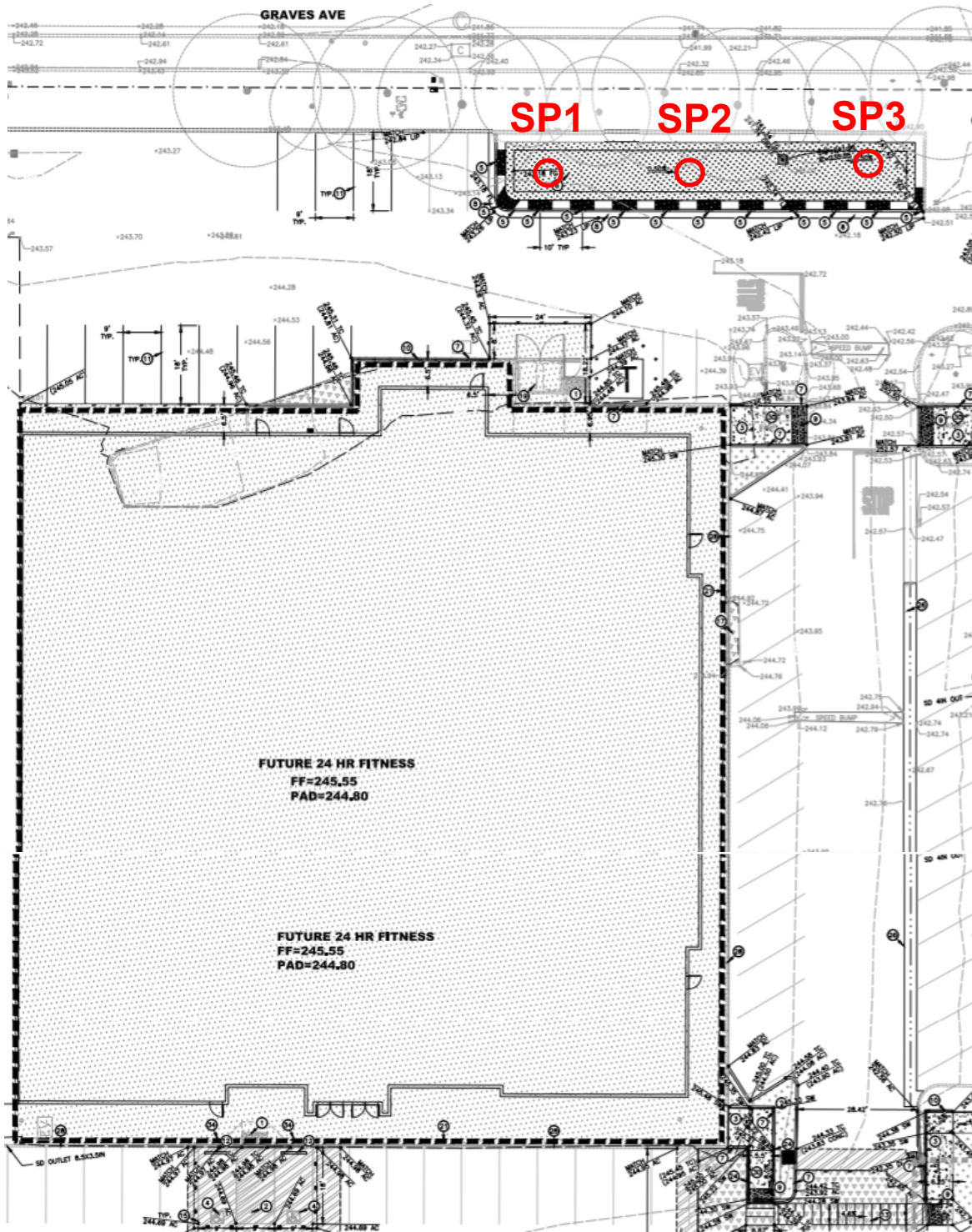
Westgate West – 24 Hour Fitness Pad
5365 Prospect Road
San Jose, California 95129

Project No:
16-42-194-11



Converse Consultants

FIGURE 1



SOIL SAMPLING LOCATIONS



Westgate West – 24 Hour Fitness Waste Profile
 5365 Prospect Road
 San Jose, California 95129

Project No:

16-42-194-11



Converse Consultants

FIGURE

2

Table 1
Summary Analytical Results
 Westgate West - 24 Hour Fitness Soil Profile
 5365 Prospect Road
 San Jose, California

Sample ID		SP1-2	Comp SP-24	SP1-4	Comp SP-4	Screening Levels		Regulatory Thresholds		
Sample Date		4/15/2019	4/15/2019	4/15/2019	4/15/2019	Residential	Commercial	TTL	STLC*	TCLP*
Metals (mg/kg)	Barium	--	324	--	171	15,000	220,000	10,000	100	100
	Chromium (Total)	--	23.5	--	38.4	36,000	170,000	2,500	5	5
	Cobalt	--	6.99	--	10.9	23	350	8,000	80	--
	Copper	--	23.3	--	28.9	3,100	47,000	2,500	25	--
	Lead	--	4.17	--	6.82	80	320	1,000	5	5
	Nickel	--	26.6	--	45.1	490	3,100	2,000	20	--
	Vanadium	--	28.8	--	33.3	390	1,000	2,400	24	--
	Zinc	--	57.9	--	64.8	23,000	350,000	5,000	250	--
	All Other Metals	--	ND	--	ND	--	--	--	--	--
OCPs (ug/kg)	DDD	--	ND	--	4.09	1,900	9,600	1,000	100	--
	All Other OCPs	--	ND	--	ND	--	--	--	--	--
TPH (mg/kg)	Gasoline	--	ND	--	ND	82	--	--	--	--
	Diesel	--	ND	--	ND	96	--	--	--	--
	Oil	--	ND	--	ND	2,500	--	--	--	--
PCBs (ug/kg)	All PCBs	--	ND	--	ND	--	--	--	--	--
SVOCs (mg/kg)	All SVOCs	--	ND	--	ND	--	--	--	--	--
VOCs (ug/kg)	All VOCs	ND	ND	ND	ND	--	--	--	--	--

mg/kg = Milligrams per Kilogram
 mg/L = Milligrams per Liter
 ug/kg = Micrograms per Kilogram
 ug/L = Micrograms per Liter
 ND = Not Detected at or above Practical Quantification Limits (PQLs).
 TPH = Total Petroleum Hydrocarbons
 OCPs = Organochlorine Pesticides

PCBs = Polychlorinated Biphenyls
 VOCs = Volatile Organic Compounds
 SVOCs = Semi-volatile Organic Compounds
 TTL = Total Threshold Limit Concentration
 STLC = Soluble Threshold Limit Concentration
 TCLP = Toxicity Characteristic Leaching Procedure
 * STLC and TCLP values in units of mg/L and ug/L, respectively



American Environmental Testing Laboratory Inc.

2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Number of Pages 23
Date Received 04/17/2019
Date Reported 04/30/2019

Telephone: (626)930-1200
Attention: Michael Van Fleet

Job Number	Order Date	Client
97248	04/17/2019	CONVRS

Project ID: 16-42-194-11
Project Name: WW-Soil Profile
Site: San Jose

Enclosed please find results of analyses of 2 discrete and 2 composite soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____

Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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CHAIN OF CUSTODY RECORD

109057

COMPANY: Converse Consultants PROJECT MANAGER: M Van Fleet
 COMPANY ADDRESS: 717 S. Myrtle Ave PHONE: 626 930-1200
 PROJECT NAME: WW - Soil Profile PROJECT #: 16-42-194-11
 SITE NAME AND ADDRESS: San Jose PO # _____

AETL JOB No. 97248

Page 1 of 1

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED						TEST INSTRUCTIONS & COMMENTS			
							8081-OC's	6015M-TPHC	8082-PCBS	8270-SVOCs	8260-VOCs					
SP1-2	97248.01	4-15-19		Spill	1 Sleeve / 2 Enviro	Ice										
SP2-2	97248.02	"	"	"	1 sleeve	"										
SP3-2	97248.03	"	"	"	"	"										
SP4-2	97248.04	"	"	"	"	"										
Comp SP-2																
SP1-4	97248.05	"	"	"	1 Sleeve / 2 Enviro	"										
SP2-4	97248.06	"	"	"	1 sleeve	"										
SP3-4	97248.07	"	"	"	"	"										
SP4-4	97248.08	"	"	"	"	"										
Comp SP-4																

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS: 8 PROPERLY COOLED: Y / N / NA
 CUSTODY SEALS: Y / N / NA SAMPLES INTACT: Y / N / NA
 RECEIVED IN GOOD COND.: Y / N SAMPLES ACCEPTED: Y / N

TURN AROUND TIME
 NORMAL RUSH SAME DAY NEXT DAY 2 DAYS 3 DAYS

DATA DELIVERABLE REQUIRED
 HARD COPY PDF GEOTRACKER (GLOBAL ID) OTHER (PLEASE SPECIFY) _____

RECEIVED BY: 1. Signature: Steve Vetter Date: 4/17/19 Time: 9:40
 Printed Name: Steve Vetter

RECEIVED BY: 2. Signature: _____ Date: _____ Time: _____

RECEIVED BY: 3. Signature: John M. ... Date: 4/17/19 Time: 10:40
 Printed Name: John M. ...
 Signature: Carole Garcia
 Date: 4/17/19 Time: 10:40
 Laboratory: AETL

RELINQUISHED BY: 1. Signature: _____ Date: _____ Time: _____
RELINQUISHED BY: 2. Signature: _____ Date: _____ Time: _____
RELINQUISHED BY: 3. Signature: _____ Date: 4/17/19 Time: 10:40

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



AMERICAN ENVIRONMENTAL TESTING LABORATORY

2834 NORTH NAOMI ST. BURBANK, CALIFORNIA 91504 DHS # 1541 LACSD# 10181

TEL (888) 288-AETL (818) 845-8200 FAX (818) 845-8840 www.aetlab.com

COOLER RECEIPT FORM

Client Name: <u>Converse</u>			
Project Name:			
AETL Job Number: <u>97298</u>			
Date Received: <u>4/17/19</u>		Received by: <u>Sergey</u>	
Carrier: <input checked="" type="checkbox"/> AETL Courier <input type="checkbox"/> Client <input type="checkbox"/> GSO <input type="checkbox"/> FedEx <input type="checkbox"/> UPS			
<input type="checkbox"/> Others:			
Samples were received in: <input checked="" type="checkbox"/> Cooler (<u>1</u>) <input type="checkbox"/> Other (Specify):			
Inside temperature of shipping container No 1: <u>3.4°C</u> , No 2: _____, No 3: _____			
Type of sample containers: <input type="checkbox"/> VOA, <input type="checkbox"/> Glass bottles, <input type="checkbox"/> Wide mouth jars, <input type="checkbox"/> HDPE bottles, <input type="checkbox"/> Metal sleeves, <input checked="" type="checkbox"/> Others (Specify): <u>Sleeves /encore</u>			
How are samples preserved: <input type="checkbox"/> None, <input type="checkbox"/> Ice, <input checked="" type="checkbox"/> Blue Ice, <input type="checkbox"/> Dry Ice			
<input checked="" type="checkbox"/> None, <input type="checkbox"/> HNO ₃ , <input type="checkbox"/> NaOH, <input type="checkbox"/> ZnOAc, <input type="checkbox"/> HCl, <input type="checkbox"/> Na ₂ S ₂ O ₃ , <input type="checkbox"/> MeOH			
<input type="checkbox"/> Other (Specify):			
	Yes	No, explain below	Name, if client was notified.
1. Are the COCs Correct?	<u>/</u>		
2. Are the Sample labels legible?	<u>/</u>		
3. Do samples match the COC?	<u>/</u>		
4. Are the required analyses clear?	<u>/</u>		
5. Is there enough samples for required analysis?	<u>/</u>		
6. Are samples sealed with evidence tape?		<u>/</u>	
7. Are sample containers in good condition?	<u>/</u>		
8. Are samples preserved?	<u>/</u>		
9. Are samples preserved properly for the intended analysis?	<u>/</u>		
10. Are the VOAs free of headspace?	<u>NA</u>		
11. Are the jars free of headspace?	<u>NA</u>		

Explain all "No" answers for above questions:



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Page: 1 A

Ordered By

Converse Consultants
717 S. Myrtle Ave.
Monrovia, CA 91016-

Project ID: 16-42-194-11
Date Received 04/17/2019
Date Reported 04/30/2019

Telephone: (626) 930-1200
Attention: Michael Van Fleet

Job Number	Order Date	Client
97248	04/17/2019	CONVRS

CERTIFICATE OF ANALYSIS CASE NARRATIVE

AETL received 8 samples with the following specification on 04/17/2019.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers	
97248.01	SP1-2	04/15/2019	Soil	3	
97248.05	SP1-4	04/15/2019	Soil	3	
Method ^ Submethod		Req Date	Priority	TAT	Units
(8260B)		04/24/2019	2	Normal	ug/Kg
97248.02	SP2-2	04/15/2019	Soil	1	
97248.03	SP3-2	04/15/2019	Soil	1	
97248.06	SP2-4	04/15/2019	Soil	1	
97248.07	SP3-4	04/15/2019	Soil	1	
Method ^ Submethod		Req Date	Priority	TAT	Units
ARCHIVE		04/24/2019	2	Normal	--
97248.04	COMP SP-2	04/15/2019	Soil	1	
97248.08	COMP SP-4	04/15/2019	Soil	1	
Method ^ Submethod		Req Date	Priority	TAT	Units
(6010B/7000CAM)		04/24/2019	2	Normal	mg/Kg
(8081A)		04/24/2019	2	Normal	ug/Kg
(8082)		04/24/2019	2	Normal	ug/Kg
(8270C)		04/24/2019	2	Normal	mg/Kg
(M8015D) ^ C13-C40		04/24/2019	2	Normal	mg/Kg
(M8015G)		04/24/2019	2	Normal	mg/Kg

The samples were analyzed as specified on the enclosed chain of custody. Analytical non-conformances have been noted on the report.

Unless otherwise noted, all results of soil and solid samples are based on wet weight.

Checked By: 

Approved By: 

Cyrus Razmara, Ph.D.
Laboratory Director



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ANALYTICAL RESULTS

Ordered By

Converse Consultants
 717 S. Myrtle Ave.
 Monrovia, CA 91016-

Site

San Jose

Telephone: (626)930-1200

Attn: Michael Van Fleet

Page: 2

Project ID: 16-42-194-11

Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0418192A1

Our Lab I.D.			Method Blank	97248.01	97248.05		
Client Sample I.D.				SP1-2	SP1-4		
Date Sampled				04/15/2019	04/15/2019		
Date Prepared			04/18/2019	04/15/2019	04/15/2019		
Preparation Method			5030	5035A	5035A		
Date Analyzed			04/18/2019	04/18/2019	04/18/2019		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Acetone	25	50	ND	ND	ND		
Benzene	1.0	10.0	ND	ND	ND		
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND	ND		
Bromochloromethane	5.0	10.0	ND	ND	ND		
Bromodichloromethane	5.0	10.0	ND	ND	ND		
Bromoform (Tribromomethane)	25	50	ND	ND	ND		
Bromomethane (Methyl bromide)	15	30	ND	ND	ND		
2-Butanone (MEK)	25	50	ND	ND	ND		
n-Butylbenzene	5.0	10.0	ND	ND	ND		
sec-Butylbenzene	5.0	10.0	ND	ND	ND		
tert-Butylbenzene	5.0	10.0	ND	ND	ND		
Carbon Disulfide	25	50	ND	ND	ND		
Carbon tetrachloride	5.0	10.0	ND	ND	ND		
Chlorobenzene	5.0	10.0	ND	ND	ND		
Chloroethane	15	30	ND	ND	ND		
2-Chloroethyl vinyl ether	50	50	ND	ND	ND		
Chloroform (Trichloromethane)	5.0	10.0	ND	ND	ND		
Chloromethane (Methyl chloride)	15	30	ND	ND	ND		
2-Chlorotoluene	5.0	10.0	ND	ND	ND		
4-Chlorotoluene	5.0	10.0	ND	ND	ND		
1,2-Dibromo-3-chloropropane (DBCP)	5.0	10.0	ND	ND	ND		
Dibromochloromethane	5.0	10.0	ND	ND	ND		
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND	ND		
Dibromomethane	5.0	10.0	ND	ND	ND		
1,2-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,3-Dichlorobenzene	5.0	10.0	ND	ND	ND		
1,4-Dichlorobenzene	5.0	10.0	ND	ND	ND		
Dichlorodifluoromethane	15	30	ND	ND	ND		



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ANALYTICAL RESULTS

Page: 3

Project ID: 16-42-194-11
Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0418192A1

Our Lab I.D.			Method Blank	97248.01	97248.05		
Client Sample I.D.				SP1-2	SP1-4		
Date Sampled				04/15/2019	04/15/2019		
Date Prepared			04/18/2019	04/15/2019	04/15/2019		
Preparation Method			5030	5035A	5035A		
Date Analyzed			04/18/2019	04/18/2019	04/18/2019		
Matrix			Soil	Soil	Soil		
Units			ug/Kg	ug/Kg	ug/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
1,1-Dichloroethane	5.0	10.0	ND	ND	ND		
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND	ND		
1,1-Dichloroethene	5.0	10.0	ND	ND	ND		
cis-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
trans-1,2-Dichloroethene	5.0	10.0	ND	ND	ND		
1,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,3-Dichloropropane	5.0	10.0	ND	ND	ND		
2,2-Dichloropropane	5.0	10.0	ND	ND	ND		
1,1-Dichloropropene	5.0	10.0	ND	ND	ND		
cis-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
trans-1,3-Dichloropropene	5.0	10.0	ND	ND	ND		
Ethylbenzene	1.0	10.0	ND	ND	ND		
Hexachlorobutadiene	15	30	ND	ND	ND		
2-Hexanone	25	50	ND	ND	ND		
Iodomethane	5.0	10.0	ND	ND	ND		
Isopropylbenzene	5.0	10.0	ND	ND	ND		
p-Isopropyltoluene	5.0	10.0	ND	ND	ND		
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND	ND		
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND	ND		
Methylene chloride (DCM)	25	50	ND	ND	ND		
Naphthalene	5.0	10.0	ND	ND	ND		
n-Propylbenzene	5.0	10.0	ND	ND	ND		
Styrene	5.0	10.0	ND	ND	ND		
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND	ND		
Tetrachloroethene	2.0	10.0	ND	ND	ND		
Toluene (Methyl benzene)	1.0	10.0	ND	ND	ND		
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND	ND		
1,1,1-Trichloroethane	5.0	10.0	ND	ND	ND		
1,1,2-Trichloroethane	5.0	10.0	ND	ND	ND		
Trichloroethene	1.5	10.0	ND	ND	ND		
Trichlorofluoromethane	5.0	10.0	ND	ND	ND		
1,2,3-Trichloropropane	1.0	5.0	ND	ND	ND		



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ANALYTICAL RESULTS

Page: 4

Project ID: 16-42-194-11
 Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0418192A1

Our Lab I.D.		Method Blank	97248.01	97248.05		
Client Sample I.D.			SP1-2	SP1-4		
Date Sampled			04/15/2019	04/15/2019		
Date Prepared		04/18/2019	04/15/2019	04/15/2019		
Preparation Method		5030	5035A	5035A		
Date Analyzed		04/18/2019	04/18/2019	04/18/2019		
Matrix		Soil	Soil	Soil		
Units		ug/Kg	ug/Kg	ug/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND	ND	
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND	ND	
Vinyl Acetate	25	50	ND	ND	ND	
Vinyl chloride (Chloroethene)	5.0	10.0	ND	ND	ND	
o-Xylene	1.0	10.0	ND	ND	ND	
m,p-Xylenes	1.0	20.0	ND	ND	ND	
Our Lab I.D.		Method Blank	97248.01	97248.05		
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.		
Bromofluorobenzene	75-125	87.2	91.1	88.5		
Dibromofluoromethane	75-125	99.5	104	102		
Toluene-d8	75-125	97.3	98.5	98.5		



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Page: 5

Project ID: 16-42-194-11

Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 0418190B1

Our Lab I.D.			Method Blank	97248.04	97248.08		
Client Sample I.D.				COMP SP-2	COMP SP-4		
Date Sampled				04/15/2019	04/15/2019		
Date Prepared			04/18/2019	04/17/2019	04/17/2019		
Preparation Method			5030	5030	5030		
Date Analyzed			04/18/2019	04/18/2019	04/18/2019		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND	ND		
Our Lab I.D.			Method Blank	97248.04	97248.08		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Bromofluorobenzene	75-125		112	112	105		



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Page: 6

Project ID: 16-42-194-11

Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 041819PB1

Our Lab I.D.			Method Blank	97248.04	97248.08		
Client Sample I.D.				COMP SP-2	COMP SP-4		
Date Sampled				04/15/2019	04/15/2019		
Date Prepared			04/18/2019	04/18/2019	04/18/2019		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			04/18/2019	04/18/2019	04/18/2019		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
TPH as Diesel (C13-C22)	1.0	5.0	ND	ND	ND		
TPH as Heavy Hydrocarbons (C23-C40)	1.0	5.0	ND	ND	ND		
TPH Total as Diesel and Heavy HC.C13-C40	1.0	5.0	ND	ND	ND		
Our Lab I.D.			Method Blank	97248.04	97248.08		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Chlorobenzene	75-125		121	115	115		



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Page: 7

Project ID: 16-42-194-11

Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 041719JB1

Our Lab I.D.			Method Blank	97248.04	97248.08		
Client Sample I.D.				COMP SP-2	COMP SP-4		
Date Sampled				04/15/2019	04/15/2019		
Date Prepared			04/17/2019	04/17/2019	04/17/2019		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			04/18/2019	04/18/2019	04/18/2019		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Acenaphthene	0.25	0.50	ND	ND	ND		
Acenaphthylene	0.25	0.50	ND	ND	ND		
Anthracene	0.25	0.50	ND	ND	ND		
Azobenzene	0.25	0.50	ND	ND	ND		
Benzidine	0.25	0.50	ND	ND	ND		
Benzo(a)anthracene	0.25	0.50	ND	ND	ND		
Benzo(a)pyrene	0.25	0.50	ND	ND	ND		
Benzo(b)fluoranthene	0.25	0.50	ND	ND	ND		
Benzo(g,h,i)perylene	0.25	0.50	ND	ND	ND		
Benzo(k)fluoranthene	0.25	0.50	ND	ND	ND		
Benzoic Acid	0.25	0.50	ND	ND	ND		
Benzyl Alcohol	0.25	0.50	ND	ND	ND		
Bis(2-Chloroethoxy)methane	0.25	0.50	ND	ND	ND		
Bis(2-Chloroethyl)ether	0.25	0.50	ND	ND	ND		
Bis(2-chloroisopropyl) ether	0.25	0.50	ND	ND	ND		
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND	ND	ND		
4-Bromophenyl phenyl ether	0.25	0.50	ND	ND	ND		
Butyl benzyl phthalate	0.25	0.50	ND	ND	ND		
4-Chloro-3-methylphenol	0.25	0.50	ND	ND	ND		
4-Chloroaniline	0.25	0.50	ND	ND	ND		
2-Chloronaphthalene	0.25	0.50	ND	ND	ND		
2-Chlorophenol	0.25	0.50	ND	ND	ND		
4-Chlorophenyl phenyl ether	0.25	0.50	ND	ND	ND		
Chrysene	0.25	0.50	ND	ND	ND		
Di-n-butyl phthalate	0.25	0.50	ND	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND	ND	ND		
Dibenzo(a,h)anthracene	0.25	0.50	ND	ND	ND		
Dibenzofuran	0.25	0.50	ND	ND	ND		



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ANALYTICAL RESULTS

Page: 8

Project ID: 16-42-194-11
Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 041719JB1

Our Lab I.D.		Method Blank	97248.04	97248.08		
Client Sample I.D.			COMP SP-2	COMP SP-4		
Date Sampled			04/15/2019	04/15/2019		
Date Prepared		04/17/2019	04/17/2019	04/17/2019		
Preparation Method		3550B	3550B	3550B		
Date Analyzed		04/18/2019	04/18/2019	04/18/2019		
Matrix		Soil	Soil	Soil		
Units		mg/Kg	mg/Kg	mg/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
1,2-Dichlorobenzene	0.25	0.50	ND	ND	ND	
1,3-Dichlorobenzene	0.25	0.50	ND	ND	ND	
1,4-Dichlorobenzene	0.25	0.50	ND	ND	ND	
3,3'-Dichlorobenzidine	0.25	0.50	ND	ND	ND	
2,4-Dichlorophenol	0.25	0.50	ND	ND	ND	
2,6-Dichlorophenol	0.25	0.50	ND	ND	ND	
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND	ND	ND	
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND	ND	ND	
2,4-Dimethylphenol	0.25	0.50	ND	ND	ND	
4,6-Dinitro-2-methylphenol	0.25	0.50	ND	ND	ND	
2,4-Dinitrophenol	0.25	0.50	ND	ND	ND	
2,4-Dinitrotoluene	0.25	0.50	ND	ND	ND	
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND	ND	ND	
Fluoranthene	0.25	0.50	ND	ND	ND	
Fluorene	0.25	0.50	ND	ND	ND	
Hexachlorobenzene	0.25	0.50	ND	ND	ND	
Hexachlorobutadiene	0.25	0.50	ND	ND	ND	
Hexachlorocyclopentadiene	0.25	0.50	ND	ND	ND	
Hexachloroethane	0.25	0.50	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND	ND	ND	
Isophorone	0.25	0.50	ND	ND	ND	
2-Methylnaphthalene	0.25	0.50	ND	ND	ND	
4-Methylphenol	0.25	0.50	ND	ND	ND	
2-Methylphenol (2-Cresol)	0.25	0.50	ND	ND	ND	
3-Methylphenol (3-Cresol)	0.25	0.50	ND	ND	ND	
N-Nitroso-Di-n-propylamine	0.25	0.50	ND	ND	ND	
Naphthalene	0.25	0.50	ND	ND	ND	
2-Nitroaniline	0.25	0.50	ND	ND	ND	
3-Nitroaniline	0.25	0.50	ND	ND	ND	
4-Nitroaniline	0.25	0.50	ND	ND	ND	
Nitrobenzene (NB)	0.25	0.50	ND	ND	ND	
4-Nitrophenol	0.25	0.50	ND	ND	ND	
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND	ND	ND	
N-nitrosodiphenylamine	0.25	0.50	ND	ND	ND	



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ANALYTICAL RESULTS

Page: 9

Project ID: 16-42-194-11
 Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 041719JB1

Our Lab I.D.			Method Blank	97248.04	97248.08		
Client Sample I.D.				COMP SP-2	COMP SP-4		
Date Sampled				04/15/2019	04/15/2019		
Date Prepared			04/17/2019	04/17/2019	04/17/2019		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			04/18/2019	04/18/2019	04/18/2019		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Pentachlorophenol	0.25	0.50	ND	ND	ND		
Phenanthrene	0.25	0.50	ND	ND	ND		
Phenol	0.25	0.50	ND	ND	ND		
Pyrene	0.25	0.50	ND	ND	ND		
Pyridine	0.25	0.50	ND	ND	ND		
1,2,4-Trichlorobenzene	0.25	0.50	ND	ND	ND		
2,4,5-Trichlorophenol	0.25	0.50	ND	ND	ND		
2,4,6-Trichlorophenol	0.25	0.50	ND	ND	ND		
Our Lab I.D.			Method Blank	97248.04	97248.08		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
2-Fluorophenol	25-121		78.8	71.8	65.6		
2-Fluorobiphenyl	30-115		81.6	76.0	79.2		
Nitrobenzene-d5	23-120		83.6	78.8	77.6		
Phenol-d6	21-113		81.6	75.0	72.4		
p-Terphenyl-D14	18-137		100	81.6	95.2		
2,4,6-Tribromophenol	19-122		85.0	75.8	73.0		



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Page: 10

Project ID: 16-42-194-11

Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041819EB2

Our Lab I.D.		Method Blank	97248.04	97248.08		
Client Sample I.D.			COMP SP-2	COMP SP-4		
Date Sampled			04/15/2019	04/15/2019		
Date Prepared		04/18/2019	04/18/2019	04/18/2019		
Preparation Method		3550B	3550B	3550B		
Date Analyzed		04/22/2019	04/23/2019	04/23/2019		
Matrix		Soil	Soil	Soil		
Units		ug/Kg	ug/Kg	ug/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Aldrin	1.0	2.0	ND	ND	ND	
Chlordane (Total)	1.0	2.0	ND	ND	ND	
Chlordane (alpha)	1.0	2.0	ND	ND	ND	
4,4'-DDD (DDD)	1.0	2.0	ND	ND	ND	
4,4'-DDE (DDE)	1.0	2.0	ND	ND	4.09	
4,4'-DDT (DDT)	1.0	2.0	ND	ND	ND	
Dieldrin	1.0	2.0	ND	ND	ND	
Endosulfan 1	1.0	2.0	ND	ND	ND	
Endosulfan 11	1.0	2.0	ND	ND	ND	
Endosulfan sulfate	1.0	2.0	ND	ND	ND	
Endrin	1.0	2.0	ND	ND	ND	
Endrin aldehyde	1.0	2.0	ND	ND	ND	
Endrin ketone	1.0	2.0	ND	ND	ND	
Chlordane (gamma)	1.0	2.0	ND	ND	ND	
Heptachlor	1.0	2.0	ND	ND	ND	
Heptachlor epoxide	1.0	2.0	ND	ND	ND	
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND	ND	
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND	ND	
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND	ND	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND	ND	
Methoxychlor	5.0	10.0	ND	ND	ND	
Toxaphene	25.0	50.0	ND	ND	ND	



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ANALYTICAL RESULTS

Page: 11

Project ID: 16-42-194-11
Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	97248.04	97248.08		
Surrogates	%Rec.Limit		% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150		84.8	95.6	64.8		
Tetrachloro-m-xylene	30-150		90.8	90.8	75.6		



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Page: 12

Project ID: 16-42-194-11

Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 041819ZB1

Our Lab I.D.		Method Blank	97248.04	97248.08		
Client Sample I.D.			COMP SP-2	COMP SP-4		
Date Sampled			04/15/2019	04/15/2019		
Date Prepared		04/18/2019	04/18/2019	04/18/2019		
Preparation Method		3550B	3550B	3550B		
Date Analyzed		04/18/2019	04/18/2019	04/18/2019		
Matrix		Soil	Soil	Soil		
Units		ug/Kg	ug/Kg	ug/Kg		
Dilution Factor		1	1	1		
Analytes	MDL	PQL	Results	Results	Results	
Aroclor-1016 (PCB-1016)	20.0	50.0	ND	ND	ND	
Aroclor-1221 (PCB-1221)	20.0	50.0	ND	ND	ND	
Aroclor-1232 (PCB-1232)	20.0	50.0	ND	ND	ND	
Aroclor-1242 (PCB-1242)	20.0	50.0	ND	ND	ND	
Aroclor-1248 (PCB-1248)	20.0	50.0	ND	ND	ND	
Aroclor-1254 (PCB-1254)	20.0	50.0	ND	ND	ND	
Aroclor-1260 (PCB-1260)	20.0	50.0	ND	ND	ND	
Aroclor-1262 (PCB-1262)	20.0	50.0	ND	ND	ND	
Aroclor-1268 (PCB-1268)	20.0	50.0	ND	ND	ND	
Our Lab I.D.		Method Blank	97248.04	97248.08		
Surrogates	%Rec.Limit	% Rec.	% Rec.	% Rec.		
Decachlorobiphenyl	30-150	138	143	101		
Tetrachloro-m-xylene	30-150	118	113	90.8		



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Page: 13

Project ID: 16-42-194-11

Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0417192C4

Our Lab I.D.			Method Blank	97248.04	97248.08		
Client Sample I.D.				COMP SP-2	COMP SP-4		
Date Sampled				04/15/2019	04/15/2019		
Date Prepared			04/17/2019	04/17/2019	04/17/2019		
Preparation Method			3050B	3050B	3050B		
Date Analyzed			04/18/2019	04/18/2019	04/18/2019		
Matrix			Soil	Soil	Soil		
Units			mg/Kg	mg/Kg	mg/Kg		
Dilution Factor			1	1	1		
Analytes	MDL	PQL	Results	Results	Results		
Antimony	1.0	5.0	ND	ND	ND		
Arsenic	1.0	5.0	ND	ND	ND		
Barium	2.5	5.0	ND	324	171		
Beryllium	1.0	2.5	ND	ND	ND		
Cadmium	1.0	2.5	ND	ND	ND		
Chromium	2.5	5.0	ND	23.5	38.4		
Cobalt	2.5	5.0	ND	6.99	10.9		
Copper	2.5	5.0	ND	23.3	28.9		
Lead	2.5	5.0	ND	4.17J	6.82		
Mercury (By EPA 7471)	0.1	0.2	ND	ND	ND		
Molybdenum	2.0	5.0	ND	ND	ND		
Nickel	2.5	5.0	ND	26.6	45.1		
Selenium	1.0	5.0	ND	ND	ND		
Silver	2.0	5.0	ND	ND	ND		
Thallium	0.7	5.0	ND	ND	ND		
Vanadium	2.5	5.0	ND	28.8	33.3		
Zinc	2.5	5.0	ND	57.9	64.8		



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Page: 14

Project ID: 16-42-194-11

Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0417192C4; Dup or Spiked Sample: 97190.01; LCS: Clean Sand; QC Prepared: 04/17/2019; QC Analyzed: 04/18/2019;
Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	0.00	50.0	51.0	102	50.0	51.5	103	<1	75-125	<15
Arsenic	0.00	50.0	49.6	99.2	50.0	48.9	97.8	1.42	75-125	<15
Barium	84.9	50.0	139	108	50.0	140	110	1.83	75-125	<15
Beryllium	0.00	50.0	44.9	89.8	50.0	44.9	89.8	<1	75-125	<15
Cadmium	0.00	50.0	46.9	93.8	50.0	47.2	94.4	<1	75-125	<15
Chromium	14.3	50.0	60.3	92.0	50.0	60.6	92.6	<1	75-125	<15
Cobalt	8.63	50.0	52.6	87.9	50.0	52.8	88.3	<1	75-125	<15
Copper	17.9	50.0	65.7	95.6	50.0	66.5	97.2	1.66	75-125	<15
Lead	16.8	50.0	50.5 #	67.4	50.0	51.0 #	68.4	1.47	75-125	<15
Mercury (By EPA 7471)	0.0940	0.500	0.533	87.8	0.500	0.528	86.8	1.1	75-125	<15
Molybdenum	0.189	50.0	46.8	93.2	50.0	46.7	93.0	<1	75-125	<15
Nickel	7.88	50.0	51.8	87.8	50.0	52.2	88.6	<1	75-125	<15
Selenium	0.00	50.0	35.4 #	70.8	50.0	37.4 #	74.8	5.49	75-125	<15
Silver	0.00	50.0	43.5	87.0	50.0	43.9	87.8	<1	75-125	<15
Thallium	0.00	50.0	26.9 #	53.8	50.0	26.5 #	53.0	1.50	75-125	<15
Vanadium	29.8	50.0	78.0	96.4	50.0	78.4	97.2	<1	75-125	<15
Zinc	88.9	50.0	128	78.2	50.0	128	78.2	<1	75-125	<15

QC Batch No: 0417192C4; Dup or Spiked Sample: 97190.01; LCS: Clean Sand; QC Prepared: 04/17/2019; QC Analyzed: 04/18/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Antimony	50.0	53.0	106	50.0	53.3	107	<1	75-125	<15
Arsenic	50.0	52.5	105	50.0	52.5	105	<1	75-125	<15
Barium	50.0	52.4	105	50.0	52.1	104	<1	75-125	<15
Beryllium	50.0	51.9	104	50.0	52.2	104	<1	75-125	<15
Cadmium	50.0	53.0	106	50.0	52.9	106	<1	75-125	<15
Chromium	50.0	52.9	106	50.0	52.7	105	<1	75-125	<15
Cobalt	50.0	51.3	103	50.0	51.0	102	<1	75-125	<15
Copper	50.0	50.9	102	50.0	50.8	102	<1	75-125	<15
Lead	50.0	50.4	101	50.0	50.3	101	<1	75-125	<15
Mercury (By EPA 7471)	0.500	0.464	92.8	0.500	0.461	92.1	<1	75-125	<15



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QUALITY CONTROL RESULTS

Page: 15

Project ID: 16-42-194-11
Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (6010B/7000CAM), Title 22 Metals (SW-846)

QC Batch No: 0417192C4; Dup or Spiked Sample: 97190.01; LCS: Clean Sand; QC Prepared: 04/17/2019; QC Analyzed: 04/18/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Molybdenum	50.0	50.6	101	50.0	50.3	101	<1	75-125	<15	
Nickel	50.0	51.4	103	50.0	51.3	103	<1	75-125	<15	
Selenium	50.0	53.3	107	50.0	53.7	107	<1	75-125	<15	
Silver	50.0	52.4	105	50.0	52.2	104	<1	75-125	<15	
Thallium	50.0	50.2	100	50.0	49.8	99.6	<1	75-125	<15	
Vanadium	50.0	52.4	105	50.0	52.2	104	<1	75-125	<15	
Zinc	50.0	55.7	111	50.0	55.6	111	<1	75-125	<15	



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Page: 16

Project ID: 16-42-194-11

Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 041819EB2; Dup or Spiked Sample: 97247.11; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/22/2019;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	21.8	109	20.0	19.6	98.0	10.6	40-150	<40
4,4'-DDT (DDT)	41.5	50.0	132 #	181	50.0	110	137	27.7	40-150	<40
Dieldrin	0.253	50.0	61.3	122	50.0	53.8	107	13.1	40-150	<40
Endrin	5.57	50.0	71.1	131	50.0	61.6	112	15.6	40-150	<40
Heptachlor	0.00	20.0	22.0	110	20.0	20.0	100	9.5	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	21.0	105	20.0	19.1	95.5	9.5	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	29.0	116	25.0	24.8	99.2	15.6	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	27.8	111	25.0	25.5	102	8.5	30-150	<40

QC Batch No: 041819EB2; Dup or Spiked Sample: 97247.11; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/22/2019;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aldrin	20.0	13.8	69.0	20.0	15.2	76.0	9.7	50-150	<40
4,4'-DDT (DDT)	50.0	47.6	95.2	50.0	45.2	90.4	5.2	50-150	<40
Dieldrin	50.0	46.2	92.4	50.0	47.8	95.6	3.4	50-150	<40
Endrin	50.0	45.7	91.4	50.0	46.2	92.4	1.1	50-150	<40
Heptachlor	20.0	14.0	70.0	20.0	15.1	75.5	7.6	50-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	13.7	68.5	20.0	15.0	75.0	9.1	50-150	<40
Surrogates									
Decachlorobiphenyl	25.0	25.8	103	25.0	23.2	92.8	10.4	30-150	<40
Tetrachloro-m-xylene	25.0	16.4	65.6	25.0	17.1	68.4	4.2	30-150	<40



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Page: 17

Project ID: 16-42-194-11

Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 041819ZB1; Dup or Spiked Sample: 97239.04; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1016 (PCB-1016)	0.00	500	401	80.2	500	410	82.0	2.22	50-150	<40
Aroclor-1260 (PCB-1260)	0.00	500	550	110	500	495	99.0	10.5	50-150	<40
Surrogates										
Decachlorobiphenyl	0.00	25.0	30.8	123	25.0	34.1	136	10.6	30-150	<40
Tetrachloro-m-xylene	0.00	25.0	24.9	99.6	25.0	26.7	107	7.43	30-150	<40

QC Batch No: 041819ZB1; Dup or Spiked Sample: 97239.04; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aroclor-1016 (PCB-1016)	500	390	78.0	500	360	72.0	8.00	50-150	<40
Aroclor-1260 (PCB-1260)	500	472	94.4	500	513	103	8.71	50-150	<40
Surrogates									
Decachlorobiphenyl	25.0	32.2	129	25.0	35.1	140	8.53	30-150	<40
Tetrachloro-m-xylene	25.0	27.1	108	25.0	26.1	104	3.70	30-150	<40



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Page: 18

Project ID: 16-42-194-11

Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0418192A1; Dup or Spiked Sample: 97210.32; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;
 Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	1.39	50.0	39.2	75.6	50.0	38.9	75.0	<1	75-125	<20
Carbon tetrachloride	0.00	50.0	55.0	110	50.0	53.5	107	2.76	75-125	<20
Chlorobenzene	0.00	50.0	43.1	86.2	50.0	43.7	87.4	1.38	75-125	<20
Chloroform (Trichloromethane)	0.00	50.0	44.2	88.4	50.0	43.1	86.2	2.52	75-125	<20
1,2-Dichlorobenzene	0.00	50.0	39.5	79.0	50.0	39.2	78.4	<1	75-125	<20
1,1-Dichloroethane	0.00	50.0	47.9	95.8	50.0	48.7	97.4	1.66	75-125	<20
1,1-Dichloroethene	0.00	50.0	40.6	81.2	50.0	42.2	84.4	3.86	75-125	<20
cis-1,2-Dichloroethene	0.00	50.0	36.4 #	72.8	50.0	38.2	76.4	4.83	75-125	<20
Ethylbenzene	0.00	50.0	43.3	86.6	50.0	44.1	88.2	1.83	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	46.5	93.0	50.0	45.0	90.0	3.28	75-125	<20
n-Propylbenzene	0.00	50.0	35.9 #	71.8	50.0	35.5 #	71.0	1.12	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	42.3	84.6	50.0	42.2	84.4	<1	75-125	<20
1,1,1-Trichloroethane	0.00	50.0	52.5	105	50.0	50.5	101	3.88	75-125	<20
1,1,2-Trichloroethane	0.00	50.0	37.4 #	74.8	50.0	38.1	76.2	1.85	75-125	<20
Trichloroethene	0.00	50.0	45.7	91.4	50.0	45.7	91.4	<1	75-125	<20
1,2,4-Trimethylbenzene	0.00	50.0	41.3	82.6	50.0	39.9	79.8	3.45	75-125	<20
1,3,5-Trimethylbenzene	0.00	50.0	41.1	82.2	50.0	40.2	80.4	2.21	75-125	<20
o-Xylene	0.00	50.0	43.2	86.4	50.0	45.0	90.0	4.08	75-125	<20
m,p-Xylenes	0.00	100	84.4	84.4	100	86.0	86.0	1.88	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	43.9	87.7	50.0	43.3	86.5	1.37	75-125	<20
Dibromofluoromethane	0.00	50.0	47.1	94.1	50.0	46.3	92.6	1.59	75-125	<20
Toluene-d8	0.00	50.0	48.1	96.2	50.0	47.2	94.4	1.87	75-125	<20

QC Batch No: 0418192A1; Dup or Spiked Sample: 97210.32; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Benzene	50.0	45.2	90.4	50.0	44.3	89.0	1.56	75-125	<20
Carbon tetrachloride	50.0	62.5	125	50.0	61.3	123	1.61	75-125	<20
Chlorobenzene	50.0	51.6	103	50.0	50.4	101	1.96	75-125	<20
Chloroform (Trichloromethane)	50.0	51.0	102	50.0	50.1	100	1.98	75-125	<20



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QUALITY CONTROL RESULTS

Page: 19

Project ID: 16-42-194-11
 Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0418192A1; Dup or Spiked Sample: 97210.32; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;
 Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
1,2-Dichlorobenzene	50.0	49.1	98.2	50.0	49.4	99.0	<1	75-125	<20
1,1-Dichloroethane	50.0	51.9	104	50.0	51.6	103	<1	75-125	<20
1,1-Dichloroethene	50.0	46.9	93.8	50.0	45.3	91.0	3.03	75-125	<20
cis-1,2-Dichloroethene	50.0	42.7	85.4	50.0	41.3	83.0	2.85	75-125	<20
Ethylbenzene	50.0	50.9	102	50.0	49.2	98.0	4.00	75-125	<20
Methyl-tert-butyl ether (MTBE)	50.0	55.6	111	50.0	55.2	110	<1	75-125	<20
n-Propylbenzene	50.0	42.5	85.0	50.0	42.0	84.0	1.18	75-125	<20
Toluene (Methyl benzene)	50.0	48.4	96.8	50.0	46.5	93.0	4.00	75-125	<20
1,1,1-Trichloroethane	50.0	59.4	119	50.0	56.9	114	4.29	75-125	<20
1,1,2-Trichloroethane	50.0	48.6	97.2	50.0	47.8	96.0	1.24	75-125	<20
Trichloroethene	50.0	53.7	107	50.0	52.5	105	1.89	75-125	<20
1,2,4-Trimethylbenzene	50.0	47.6	95.2	50.0	48.4	97.0	1.87	75-125	<20
1,3,5-Trimethylbenzene	50.0	47.4	94.8	50.0	47.7	95.0	<1	75-125	<20
o-Xylene	50.0	51.1	102	50.0	50.4	101	<1	75-125	<20
m,p-Xylenes	100	98.1	98.1	100	95.9	95.9	2.27	75-125	<20
Surrogates									
Bromofluorobenzene	50.0	43.6	87.2	50.0	43.7	87.4	<1	75-125	<20
Dibromofluoromethane	50.0	49.8	99.5	50.0	50.1	100	<1	75-125	<20
Toluene-d8	50.0	47.3	94.6	50.0	46.8	93.7	<1	75-125	<20



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Page: 20

Project ID: 16-42-194-11

Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 041719JB1; Dup or Spiked Sample: 97221.01; LCS: Clean Sand; QC Prepared: 04/17/2019; QC Analyzed: 04/18/2019;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Acenaphthene	0.00	2.50	1.79	71.6	2.50	1.81	72.4	1.1	46-118	<20
4-Chloro-3-methylphenol	0.00	5.00	3.50	70.0	5.00	3.63	72.6	3.6	39-98	<20
2-Chlorophenol	0.00	5.00	3.28	65.6	5.00	3.48	69.6	5.9	27-123	<20
1,4-Dichlorobenzene	0.00	2.50	1.69	67.6	2.50	1.77	70.8	4.6	36-97	<20
2,4-Dinitrotoluene	0.00	2.50	1.84	73.6	2.50	1.79	71.6	2.8	24-96	<20
N-Nitroso-Di-n-propylamine	0.00	2.50	2.39	95.6	2.50	2.50	100	4.5	41-116	<20
4-Nitrophenol	0.00	5.00	3.34	66.8	5.00	3.75	75.0	11.6	10-110	<20
Pentachlorophenol	0.00	5.00	3.86	77.2	5.00	4.00	80.0	3.6	40-125	<20
Phenol	0.00	5.00	3.48	69.6	5.00	3.68	73.6	5.6	12-89	<20
Pyrene	0.00	2.50	2.46	98.4	2.50	2.35	94.0	4.6	26-127	<20
1,2,4-Trichlorobenzene	0.00	2.50	1.86	74.4	2.50	1.95	78.0	4.7	39-98	<20
Surrogates										
2-Fluorophenol	0.00	5.00	3.17	63.4	5.00	3.34	66.8	5.2	25-121	<20
2-Fluorobiphenyl	0.00	2.50	1.74	69.6	2.50	1.74	69.6	<1	30-115	<20
Nitrobenzene-d5	0.00	2.50	1.79	71.6	2.50	1.84	73.6	2.8	23-120	<20
p-Terphenyl-D14	0.00	2.50	2.30	92.0	2.50	2.23	89.2	3.1	18-137	<20
Phenol-d6	0.00	5.00	3.43	68.6	5.00	3.60	72.0	4.8	24-113	<20
2,4,6-Tribromophenol	0.00	5.00	4.16	83.2	5.00	4.29	85.8	3.1	19-122	<20

QC Batch No: 041719JB1; Dup or Spiked Sample: 97221.01; LCS: Clean Sand; QC Prepared: 04/17/2019; QC Analyzed: 04/18/2019;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit
Acenaphthene	2.50	2.26	90.4	31-137
4-Chloro-3-methylphenol	5.00	4.73	94.6	40-99
2-Chlorophenol	5.00	4.67	93.4	25-102
1,4-Dichlorobenzene	2.50	2.41	96.4	28-104
2,4-Dinitrotoluene	2.50	2.20	88.0	28-89
N-Nitroso-Di-n-propylamine	2.50	3.13	125	41-126
4-Nitrophenol	5.00	4.45	89.0	11-114
Pentachlorophenol	5.00	5.05	101	17-125
Phenol	5.00	4.34	86.8	26-90



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Page: 21

Project ID: 16-42-194-11
Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 041719JB1; Dup or Spiked Sample: 97221.01; LCS: Clean Sand; QC Prepared: 04/17/2019; QC Analyzed: 04/18/2019;
Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Pyrene	2.50	2.78	111	35-142						
1,2,4-Trichlorobenzene	2.50	2.60	104	38-107						
Surrogates										
2-Fluorophenol	5.00	4.89	97.8	25-121						
2-Fluorobiphenyl	2.50	2.29	91.6	30-115						
Nitrobenzene-d5	2.50	2.55	102	23-120						
p-Terphenyl-D14	2.50	2.70	108	18-137						
Phenol-d6	5.00	4.94	98.8	24-113						
2,4,6-Tribromophenol	5.00	5.25	105	19-122						



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Page: 22

Project ID: 16-42-194-11

Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 041819PB1; Dup or Spiked Sample: 97239.04; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;
 Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	459	91.8	500	501	100	8.55	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	110	110	100	110	110	<1	75-125	<20

QC Batch No: 041819PB1; Dup or Spiked Sample: 97239.04; LCS: Clean Sand; QC Prepared: 04/18/2019; QC Analyzed: 04/18/2019;
 Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
TPH as Diesel (C13-C22)	500	457	91.4	500	465	93.0	1.74	75-125	<20
Surrogates									
Chlorobenzene	100	111	111	100	113	113	1.80	75-125	<20



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QUALITY CONTROL RESULTS

Ordered By

Converse Consultants
 717 S. Myrtle Ave.
 Monrovia, CA 91016-

Site

San Jose

Telephone: (626)930-1200

Attn: Michael Van Fleet

Page: 23

Project ID: 16-42-194-11

Project Name: WW-Soil Profile

AETL Job Number	Submitted	Client
97248	04/17/2019	CONVRS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 041819OB1; Dup or Spiked Sample: 97248.04; LCS: Clean Sand; MS Prepared: 04/17/2019; LCS Prepared: 04/18/2019;
 MS Analyzed: 04/19/2019;
 LCS Analyzed: 04/18/2019; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	1.00	0.984	98.4	1.00	0.982	98.2	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0590	118	0.0500	0.0555	111	6.1	75-125	<20

QC Batch No: 041819OB1; Dup or Spiked Sample: 97248.04; LCS: Clean Sand; MS Prepared: 04/17/2019; LCS Prepared: 04/18/2019;
 MS Analyzed: 04/19/2019;
 LCS Analyzed: 04/18/2019; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	1.00	0.999	99.9	1.00	0.993	99.3	<1	75-125	<20
Surrogates									
Bromofluorobenzene	0.0500	0.0595	119	0.0500	0.0585	117	1.68	75-125	<20



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Data Qualifiers and Descriptors

Data Qualifier:

- #: Recovery is not within acceptable control limits.
- *: In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
- B: Analyte was present in the Method Blank.
- D: Result is from a diluted analysis.
- E: Result is beyond calibration limits and is estimated.
- H: Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
- J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
- M: Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
- MCL: Maximum Contaminant Level
- NS: No Standard Available
- S6: Surrogate recovery is outside control limits due to matrix interference.
- S8: The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
- X: Results represent LCS and LCSD data.

Definition:

- %Limi: Percent acceptable limits.
- %REC: Percent recovery.
- Con.L: Acceptable Control Limits
- Conce: Added concentration to the sample.
- LCS: Laboratory Control Sample
- MDL: Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.



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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference
