



1675 SPECTRUM DRIVE • LAWRENCEVILLE, GEORGIA 30043 • TEL (770) 962-5922 • FAX 962-7964

**FOURTH SEMI-ANNUAL VRP PROGRESS REPORT
FORMER WESTSIDE CLEANERS
700 SANDTOWN ROAD
MARIETTA, COBB COUNTY, GEORGIA**

**HSI #10927
SEA JOB #152-018**

**SUBMITTED:
JULY 31, 2018**



SEA
SAILORS ENGINEERING ASSOCIATES, INC.

1675 SPECTRUM DRIVE • LAWRENCEVILLE, GEORGIA 30043 • TEL (770) 962-5922 • FAX (770) 962-7964

July 31, 2018

Ms. Mike Smilley, P.G.
Georgia Department of Natural Resources
Environmental Protection Division
205 Butler Street, S.E.
Floyd Towers East, Suite 1054
Atlanta, GA 30334

RE: Fourth Semi-Annual VRP Progress Report
Former Westside Cleaners
700 Sandtown Road
Marietta, Cobb County, Georgia
HSI #10927
SEA Job No. 152-018

Dear Mr. Smilley:

Sailors Engineering Associates, Inc. (SEA) has conducted additional activities related to the Voluntary Remediation Program (VRP) for the subject site and is pleased to present this report for your review. The following report discusses the activities completed during the period from January 2018 through June 2018, as well as, planned and anticipated activities for the period of July 2018 to December 2018.

1.0 INTRODUCTION

1.1 Background

As part of a due diligence investigation conducted in March 2013, soil and groundwater samples were collected from the area immediately around the former dry cleaner building. Results of that investigation indicated impacts to soil and groundwater from dry cleaning solvents. On August 7, 2013 a release notification was submitted to the Georgia EPD Hazardous Site Response Program and the site was subsequently placed on the Hazardous Site Inventory as Site Number 10927 on November 22, 2013. The VRP application (the Application) submitted for Former Westside Cleaners located at 700 Sandtown Road in Marietta, Cobb County, Georgia; HSI #10927, dated October 30, 2015 was approved on June 30, 2016.

1.2 Site Description

The subject property, located at 700 Sandtown Road in Marietta, Cobb County Georgia, is approximately 6.267 acres and is currently owned by YNH Properties, LLC. A former dry cleaner, known as Westside Cleaners, was located in an approximately 4,000 square foot, stand-

alone building in the northwestern portion of the Westside Plaza Shopping Center. The building most recently operated as a coin laundry and is currently vacant.

2.0 SOIL EXCAVATION ACTIVITIES

Additional soil excavation activities were conducted this period. Between February 26 and March 14, 2018, approximately 120 cubic yards of additional soil was excavated southwest of the previous excavation. Based on testing conducted prior to the excavation, this area was identified as containing additional potential source material. The excavation extended to a depth of at least 15 feet below ground surface and extended into the saturated soil at several locations. The shallower, less impacted soils were loaded directly into tandem axle dump trucks and transported to Eagle Point Landfill in Ball Ground, Georgia for disposal. Based on the manifests, approximately 44.43 tons of soil was disposed. Copies of the disposal manifests are attached. The remaining excavated soils were placed into three roll off boxes for pre-treatment prior to disposal. Soil samples were collected from each of the three roll off boxes to aid in the chemical dosing calculations. Those results indicated TCLP values for PCE between 43 milligrams per liter (mg/L) and 130 mg/L. On March 27, 2018, approximately 1,100 pounds of sodium persulfate, 660 pounds of lime and 250 gallons of water were blended into each of the roll off boxes using a backhoe. The boxes were covered to prevent rain water intrusion and a temporary fence was erected.

Post blending soil samples were collected on May 14, 2018, approximately 45-days following the application of the sodium persulfate. The results of that analysis indicated that the soil concentrations had declined significantly but were not at levels acceptable to the landfill and additional time for chemical reaction to occur was given. A second round of post blending soil samples were collected on June 19, 2018 and the levels were still in excess of the landfill requirements. During the June 19 sampling, one of the soil samples indicated a concentration well above the initial concentration and a third sample was collected from that roll of box on June 29, 2018.

Copies of the laboratory data sheets are attached to this report.

3.0 PLANNED ACTIVITIES

Since the soil in the roll off boxes remains above the Sub-Title D landfill requirements based on TCLP results, those soils will be disposed of as hazardous waste. The property owner has applied for an EPA ID Number and completed and submitted a hazardous waste profile and is awaiting approval prior to shipment. It is anticipated that the remaining excavated soil will be removed from the subject property by August 15, 2018.

Other activities being contemplated for the next six-month period are off-site soil delineation activities and activities related to the assessment of the potential for vapor intrusion. Further, it is anticipated that additional groundwater sampling activities and the collection of a surface water sample will be completed during the next period. SEA also plans to collect data related to hydrologic parameters, including the performance of slug tests on several of the existing site monitoring wells. The site activities performed during this next period will be documented in a

semi-annual progress report to be submitted by December 31, 2018.

4.0 MILESTONE SCHEDULE

The following milestone schedule outlines significant events as discussed above including historic and anticipated future events. The dates of future events may be accelerated based on the progress of the remedial measures taken.

Due Diligence Investigation by ETRI	March, 2013
Release Notification	August 7, 2013
Listing on HSI	November 22, 2013
Additional Investigation by SEA	March, 2015
Impacted Soil Removal	June 17 to 24, 2015
Chemical Oxidation Pilot Study Injections	August 18 to 21, 2015
Chemical Oxidation Pilot Study Sampling	October and November, 2015
VRP Application and VIRP submittal	October 30, 2015
EPD Approval of Application with Review Comments	June 30, 2016
VRP 1 st Semi-Annual Reports	December 30, 2016
On site horizontal delineation	June 30, 2017
VRP 2 nd Semi-Annual Report	August 4, 2017
Additional onsite horizontal delineation	July 20, 2017
VRP 3 rd Semi-Annual Report	December 29, 2017
Additional Soil Removal	March 2018
Additional Remedial Measures	As warranted
Off-site horizontal delineation	September, 2018
Vertical Delineation	December 30, 2018
VRP Compliance Status Report	June, 2021

I certify, under penalty of law, that the enclosed electronic copy is complete, identical to the paper copy, and virus free.

If you have any questions or require any additional information, please contact us at your convenience.

Respectfully submitted,

SAILORS ENGINEERING ASSOCIATES, INC.



Michael J Haller, P.G.
Manager, Environmental Engineering

cc: Mr. Se Hong Yi, Managing Member, YNH Properties, LLC.

Appendix

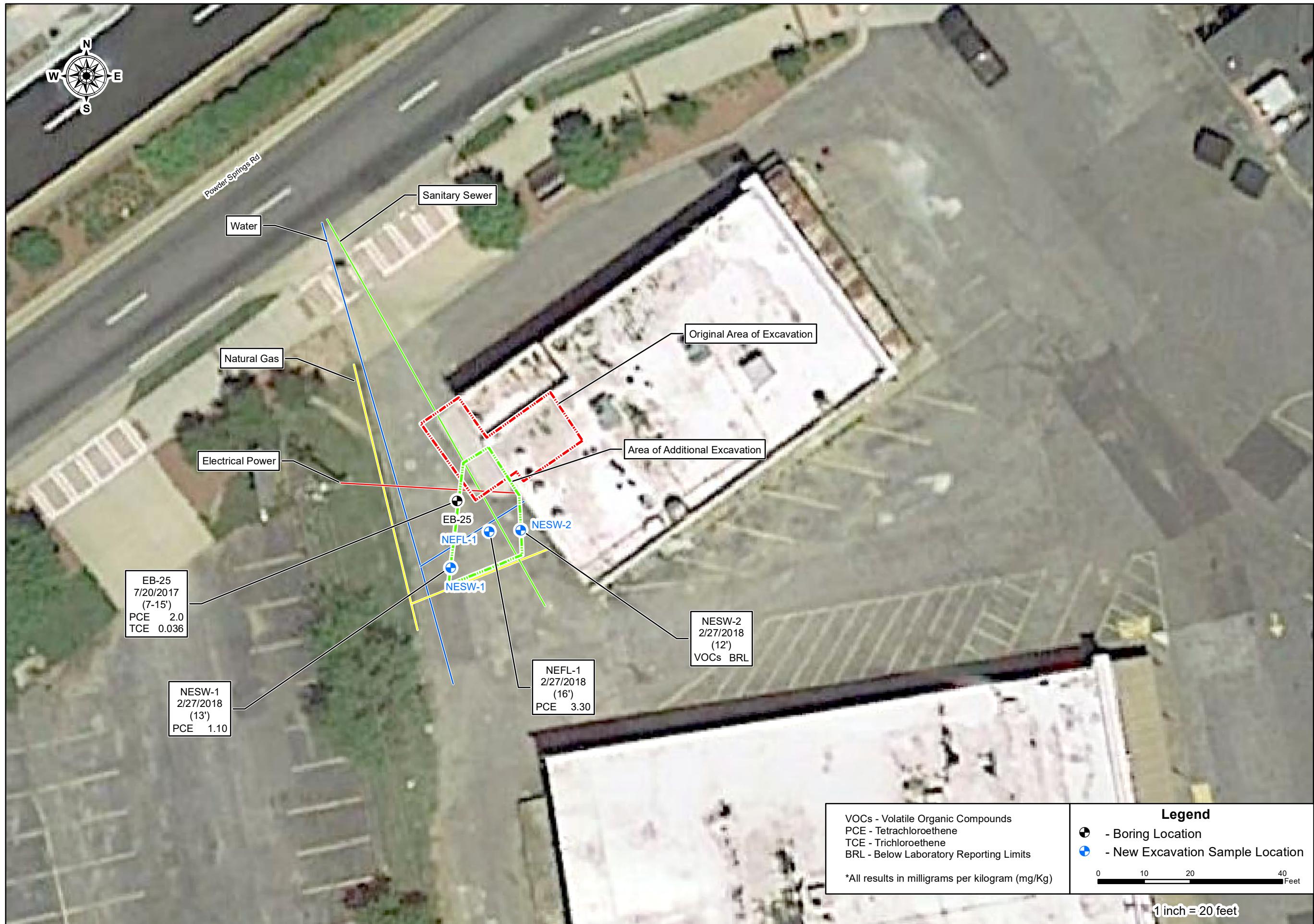
Figures

Lab Data

Disposal Manifests

Summary of Professional Hours

Groundwater Scientist Certification Statement



SEA
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**SAILORS
ENGINEERING
ASSOCIATES, INC.**
ENVIRONMENTAL/GEOTECHNICAL
1675 SPECTRUM DRIVE
LAWRENCEVILLE, GEORGIA 30043
(770) 962-5922 FAX 962-7964

ADDITIONAL AREA OF EXCAVATION

700 SANDTOWN ROAD

700 SANDTOWN RD

Job No. 152-018
7/30/2018



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

March 07, 2018

Michael Haller
Sailors Engineering Associates

1675 Spectrum Drive
Lawrenceville GA 30043

RE: 700 Sandtown

Dear Michael Haller:

Order No: 1802P82

Analytical Environmental Services, Inc. received 1 samples on 2/28/2018 11:45:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/17-06/30/18.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.

-NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Paris Masoudi".

Paris Masoudi
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3080 Presidential Drive Atlanta, GA 30340-3704

Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

Work Order: 10009082

AES

CHAIN OF CUSTODY

COMPANY: S. Loss Eng. Assoc		ADDRESS: 1675 Spectrum Dr Lawrenceville, GA 30043		ANALYSIS REQUESTED				Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		
PHONE: (770) 457-5953	EMAIL:									Number of Containers 4
SAMPLED BY: Michael Short	SIGNATURE: 									
		SAMPLE ID		SAMPLED:	MATRIX (see codes)	PRESERVATION (see codes)		REMARKS		
#		DATE	TIME	GRAB	COMPOSITE					
1	NEFL-1 16'	2/27	14:55	/	So					
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
REINQUISITED BY: 		DATE/TIME: 2/28/18 11:45		RECEIVED BY: 1. Michael Short 2/28/18		DATE/TIME: 2/28/18		PROJECT INFORMATION		RECEIPT
2. 										Total # of Containers 4
3. 										Turnaround Time (TAT) Request <input checked="" type="checkbox"/> Standard 5 Business Days <input type="checkbox"/> 2 Business Day Rush <input type="checkbox"/> Next Business Day Rush <input type="checkbox"/> Same-Day Rush (auth req.) <input type="checkbox"/> Other _____
SPECIAL INSTRUCTIONS/COMMENTS: client		SHIPMENT METHOD IN: <input checked="" type="checkbox"/> FedEx OUT: <input checked="" type="checkbox"/> / VIA: <input checked="" type="checkbox"/> / UPS <input checked="" type="checkbox"/> US mail courier <input checked="" type="checkbox"/> Greyhound other: _____		INVOICE TO: (IF DIFFERENT FROM ABOVE) W. Lee Haller		PROJECT NAME: 700 Sandtown		PO #: _____		E-mail? <input checked="" type="checkbox"/> Fax? <input type="checkbox"/> STATE PROGRAM (if any): _____
Samples are disposed of 30 days after completion of report unless other arrangements are made.										DATA PACKAGE: I O II O III O IV O
Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT.										White Copy - Original; Yellow Copy - Client

Matrix Codes: A = Air GW = Groundwater SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify) Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice O = Other (specify) NA = None

Page 2 of 10

White Copy - Original; Yellow Copy - Client

Client: Sailors Engineering Associates
Project: 700 Sandtown
Lab ID: 1802P82

Case Narrative

Volatiles Organic Compounds Analysis by Method 8260B:

Due to sample matrix, sample 1802P82-001A required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc
Date: 7-Mar-18

Client:	Sailors Engineering Associates	Client Sample ID:	NEFL-1 16'					
Project Name	700 Sandtown	Collection Date:	2/27/2018 2:55:00 PM					
Lab ID:	1802P82-001	Matrix:	Soil					
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								(SW5035)
1,1,1-Trichloroethane	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
1,1,2,2-Tetrachloroethane	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
1,1,2-Trichloroethane	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
1,1-Dichloroethane	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
1,1-Dichloroethene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
1,2,4-Trichlorobenzene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
1,2-Dibromo-3-chloropropane	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
1,2-Dibromoethane	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
1,2-Dichlorobenzene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
1,2-Dichloroethane	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
1,2-Dichloropropane	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
1,3-Dichlorobenzene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
1,4-Dichlorobenzene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
2-Butanone	BRL	3.4		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
2-Hexanone	BRL	0.67		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
4-Methyl-2-pentanone	BRL	0.67		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Acetone	BRL	6.7		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Benzene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Bromodichloromethane	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Bromoform	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Bromomethane	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Carbon disulfide	BRL	0.67		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Carbon tetrachloride	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Chlorobenzene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Chloroethane	BRL	0.67		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Chloroform	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Chloromethane	BRL	0.67		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
cis-1,2-Dichloroethene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
cis-1,3-Dichloropropene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Cyclohexane	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Dibromochloromethane	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Dichlorodifluoromethane	BRL	0.67		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Ethylbenzene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Freon-113	BRL	0.67		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Isopropylbenzene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
m,p-Xylene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Methyl acetate	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Methyl tert-butyl ether	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Methylcyclohexane	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Methylene chloride	BRL	1.3		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
o-Xylene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc**Date:** 7-Mar-18

Client:	Sailors Engineering Associates	Client Sample ID:	NEFL-1 16'
Project Name	700 Sandtown	Collection Date:	2/27/2018 2:55:00 PM
Lab ID:	1802P82-001	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)								
Styrene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Tetrachloroethene	3.3	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Toluene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
trans-1,2-Dichloroethene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
trans-1,3-Dichloropropene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Trichloroethene	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Trichlorofluoromethane	BRL	0.34		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Vinyl chloride	BRL	0.67		mg/Kg-dry	256983	50	03/07/2018 14:18	NP
Surr: 4-Bromofluorobenzene	86.2	65-133		%REC	256983	50	03/07/2018 14:18	NP
Surr: Dibromofluoromethane	96.4	75.8-119		%REC	256983	50	03/07/2018 14:18	NP
Surr: Toluene-d8	95.2	78.3-120		%REC	256983	50	03/07/2018 14:18	NP
PERCENT MOISTURE D2216								
Percent Moisture	30.8	0		wt%	R364609	1	03/06/2018 13:00	OO

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit



SAMPLE/COOLER RECEIPT CHECKLIST

Save as

Clear

1. Client Name: **Sailors Engineering Associates**

AES Work Order Number: **1802P82**

2. Carrier: FedEx UPS USPS Client Courier Other _____

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler Received in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	damaged <input type="checkbox"/> leaking <input type="checkbox"/> other <input type="checkbox"/>	
4. Custody seals present on shipping container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
5. Custody seals intact on shipping container?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
6. Temperature blanks present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cooling initiated for Recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
9. Chain of Custody signed, dated, and timed when relinquished and received?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
10. Sampler name and/or signature on COC?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
11. Were all samples received within holding time?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
12. TAT marked on the CCC?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	
13. Cooler 1 Temperature 2.1 _____ °C	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cooler 2 Temperature _____ °C	Cooler 4 Temperature _____ °C
14. Cooler 5 Temperature _____ °C	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cooler 6 Temperature _____ °C	Cooler 8 Temperature _____ °C
15. Comments: _____					

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
17. Custody seals present on sample containers?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
18. Custody seals intact on sample containers?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
19. Do sample container labels match the COC?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
21. Were all of the samples listed on the COC received?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
24. Were samples received in appropriate containers?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
26. Were trip blanks submitted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	listed on COC <input type="checkbox"/> not listed on COC <input checked="" type="checkbox"/>	
27. Comments:					
This section only applies to samples where pH can be checked at Sample Receipt.					
28. Have containers needing chemical preservation been checked? *	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		I certify that I have completed sections 16-27 (dated initials). KR 3/1/18
29. Containers meet preservation guidelines?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Comments
30. Was pH adjusted at Sample Receipt?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.
I certify that I have completed sections 28-30 (dated initials), Page 6 of 10 KR 3/1/18

Locked

Analytical Environmental Services, Inc

Date: 7-Mar-18

ANALYTICAL QC SUMMARY REPORT**Client:** Sailors Engineering Associates
Project Name: 700 Sandtown
Workorder: 1802P82**BatchID:** 256983

Sample ID: MB-256983	Client ID: TCL VOLATILE ORGANICS SW8260B	Units: ug/Kg	Prep Date: 03/07/2018	Run No: 364705							
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 256983	Analysis Date: 03/07/2018	Seq No: 8061627							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	250				19.27					
1,1,2,2-Tetrachloroethane	BRL	250				24.14					
1,1,2-Trichloroethane	BRL	250				22.73					
1,1-Dichloroethane	BRL	250				19.95					
1,1-Dichloroethene	BRL	250				21.41					
1,2,4-Trichlorobenzene	BRL	250				26.22					
1,2-Dibromo-3-chloropropane	BRL	250				24.19					
1,2-Dibromoethane	BRL	250				23.87					
1,2-Dichlorobenzene	BRL	250				25.98					
1,2-Dichloroethane	BRL	250				20.43					
1,2-Dichloropropane	BRL	250				21.60					
1,3-Dichlorobenzene	BRL	250				26.11					
1,4-Dichlorobenzene	BRL	250				26.79					
2-Butanone	BRL	2500				44.59					
2-Hexanone	BRL	500				39.56					
4-Methyl-2-pentanone	BRL	500				38.82					
Acetone	BRL	5000				51.29					
Benzene	BRL	250				22.12					
Bromodichloromethane	BRL	250				22.60					
Bromoform	BRL	250				29.65					
Bromomethane	BRL	250				19.31					
Carbon disulfide	BRL	500				37.43					
Carbon tetrachloride	BRL	250				22.62					
Chlorobenzene	BRL	250				25.27					
Chloroethane	BRL	500				19.28					
Chloroform	BRL	250				20.37					
Chloromethane	BRL	500				18.61					
Qualifiers:	>	Greater than Result value	<	Less than Result value							
	BRL	Below reporting limit	E	Estimated (value above quantitation range)							
J		Estimated value detected below Reporting Limit	N	Analyte not NELAC certified							
Rpt Lim		Reporting Limit	S	Spike Recovery outside limits due to matrix							

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

S Spike Recovery outside limits due to matrix

Analytical Environmental Services, Inc

Date: 7-Mar-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
 Project Name 700 Sandtown
 Workorder: 1802P82

Sample ID: MB-256983	Client ID: TCL.VOLATILE ORGANICS SW8260B	Units: ug/Kg	Prep Date: 03/07/2018	Run No: 364705							
Sample Type: MBLK	TestCode: BatchID: 256983	BatchID: 256983	Analysis Date: 03/07/2018	Seq No: 8061627							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	250									21.15
cis-1,3-Dichloropropene	BRL	250									21.54
Cyclohexane	BRL	250									18.52
Dibromochloromethane	BRL	250									25.43
Dichlorodifluoromethane	BRL	500									16.31
Ethylbenzene	BRL	250									23.90
Freon-113	BRL	500									20.19
Isopropylbenzene	BRL	250									23.94
m,p-Xylene	BRL	250									48.51
Methyl acetate	BRL	250									17.21
Methyl tert-butyl ether	BRL	250									17.95
Methylcyclohexane	BRL	250									20.24
Methylene chloride	BRL	1000									20.75
o-Xylene	BRL	250									23.61
Styrene	BRL	250									25.10
Tetrachloroethene	BRL	250									25.41
Toluene	BRL	250									22.82
trans-1,2-Dichloroethene	BRL	250									20.90
trans-1,3-Dichloropropene	BRL	250									19.48
Trichloroethene	BRL	250									22.92
Trichlorofluoromethane	BRL	250									21.88
Vinyl chloride	BRL	500									19.47
Surr: 4-Bromofluorobenzene	218.4	0	2500		87.4	65	133		45.71		B Analyte detected in the associated method blank
Surr: Dibromofluoromethane	257.8	0	2500		103	75.8	119		49.78		H Holding times for preparation or analysis exceeded
Surr: Toluene-d8	246.4	0	2500		98.6	78.3	120		48.39		R RPD outside limits due to matrix
Rpt Lim Reporting Limit											S Spike Recovery outside limits due to matrix

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix

Analytical Environmental Services, Inc

Date: 7-Mar-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name: 700 Sandtown
Workorder: 1802P82

BatchID: 256983

Sample ID: LCS-256983		Client ID: TestCode: TCL.VOLATILE.ORGANICS SW8260B		Units: ug/Kg BatchID: 256983		Prep Date: 03/07/2018 Analysis Date: 03/07/2018		Run No: 364705 Seq No: 8061625			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2100	250	2500		84.0	64.8	138		21.41		
Benzene	2060	250	2500		82.4	70	126		22.12		
Chlorobenzene	2406	250	2500		96.2	70	124		25.27		
Toluene	2141	250	2500		85.6	70.4	127		22.82		
Trichloroethene	2248	250	2500		89.9	70.4	129		22.92		
Surr: 4-Bromofluorobenzene	2227	0	2500		89.1	65	133		45.71		
Surr: Dibromofluoromethane	2532	0	2500		101	75.8	119		49.78		
Surr: Toluene-d8	2440	0	2500		97.6	78.3	120		48.39		

Sample ID: 1802P26-001AMS		Client ID: TestCode: TCL.VOLATILE.ORGANICS SW8260B		Units: mg/Kg-dry BatchID: 256983		Prep Date: 03/07/2018 Analysis Date: 03/07/2018		Run No: 364705 Seq No: 8062073			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2.315	0.23	2.280		102	58.3	138				
Benzene	2.312	0.23	2.280		101	66.2	127				
Chlorobenzene	2.602	0.23	2.280		114	66	124				
Toluene	2.351	0.23	2.280		103	67.4	127				
Trichloroethene	2.410	0.23	2.280		106	64.9	127				
Surr: 4-Bromofluorobenzene	1.907	0	2.280		83.6	65	133				
Surr: Dibromofluoromethane	2.257	0	2.280		99.0	75.8	119				
Surr: Toluene-d8	2.182	0	2.280		95.7	78.3	120				

Sample ID: 1802P26-001AMSD		Client ID: TestCode: TCL.VOLATILE.ORGANICS SW8260B		Units: mg/Kg-dry BatchID: 256983		Prep Date: 03/07/2018 Analysis Date: 03/07/2018		Run No: 364705 Seq No: 8062201			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2.390	0.23	2.280		105	58.3	138	2.315	3.22	20.2	
Benzene	2.318	0.23	2.280		102	66.2	127	2.312	0.295	18.6	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded	
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix	
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix			Page 9 of 10

Analytical Environmental Services, Inc

Date: 7-Mar-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name 700 Sandtown
Workorder: 1802P82

BatchID: 256983

Sample ID:	1802P26-001AMSD	Client ID:	TCL.VOLATILE.ORGANICS	SW8260B	Units:	mg/Kg-dry	Prep Date:	03/07/2018	Run No:	364705	
Sample Type:	MSD	TestCode:			BatchID:	256983	Analysis Date:	03/07/2018	Seq No:	8062201	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2.682	0.23	2.280		118	66	124	2.602	3.06	20	
Toluene	2.389	0.23	2.280		105	67.4	127	2.351	1.58	20	
Trichloroethene	2.498	0.23	2.280		110	64.9	127	2.410	3.59	20	
Surr: 4-Bromofluorobenzene	1.962	0	2.280		86.1	65	133	1.907	0	0	
Surr: Dibromofluoromethane	2.218	0	2.280		97.3	75.8	119	2.257	0	0	
Surr: Toluene-d8	2.150	0	2.280		94.3	78.3	120	2.182	0	0	

Qualifiers: > Greater than Result value < Less than Result value
BRL Below reporting limit E Estimated (value above quantitation range)
J Estimated value detected below Reporting Limit N Analyte not NELAC certified
Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

March 07, 2018

Michael Haller
Sailors Engineering Associates

1675 Spectrum Drive
Lawrenceville GA 30043

RE: 700 Sandtown Rd

Dear Michael Haller: Order No: 1802P83

Analytical Environmental Services, Inc. received 3 samples on 2/28/2018 11:45:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/17-06/30/18.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.

-NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Paris Masoudi
Project Manager

Client: Sailors Engineering Associates
Project: 700 Sandtown Rd
Lab ID: 1802P83

Case Narrative

Volatiles Organic Compounds Analysis by Method 8260B:

Due to sample matrix, samples 1802P83-001A, & 002A required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc
Date: 7-Mar-18

Client:	Sailors Engineering Associates	Client Sample ID:	NESW-1 13'					
Project Name	700 Sandtown Rd	Collection Date:	2/27/2018 3:05:00 PM					
Lab ID:	1802P83-001	Matrix:	Soil					
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B							(SW5035)	
1,1,1-Trichloroethane	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
1,1,2,2-Tetrachloroethane	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
1,1,2-Trichloroethane	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
1,1-Dichloroethane	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
1,1-Dichloroethene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
1,2,4-Trichlorobenzene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
1,2-Dibromo-3-chloropropane	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
1,2-Dibromoethane	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
1,2-Dichlorobenzene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
1,2-Dichloroethane	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
1,2-Dichloropropane	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
1,3-Dichlorobenzene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
1,4-Dichlorobenzene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
2-Butanone	BRL	3.9		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
2-Hexanone	BRL	0.77		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
4-Methyl-2-pentanone	BRL	0.77		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Acetone	BRL	7.7		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Benzene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Bromodichloromethane	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Bromoform	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Bromomethane	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Carbon disulfide	BRL	0.77		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Carbon tetrachloride	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Chlorobenzene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Chloroethane	BRL	0.77		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Chloroform	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Chloromethane	BRL	0.77		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
cis-1,2-Dichloroethene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
cis-1,3-Dichloropropene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Cyclohexane	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Dibromochloromethane	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Dichlorodifluoromethane	BRL	0.77		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Ethylbenzene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Freon-113	BRL	0.77		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Isopropylbenzene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
m,p-Xylene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Methyl acetate	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Methyl tert-butyl ether	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Methylcyclohexane	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Methylene chloride	BRL	1.5		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
o-Xylene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc**Date:** 7-Mar-18

Client:	Sailors Engineering Associates	Client Sample ID:	NESW-1 13'
Project Name	700 Sandtown Rd	Collection Date:	2/27/2018 3:05:00 PM
Lab ID:	1802P83-001	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)								
Styrene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Tetrachloroethene	1.1	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Toluene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
trans-1,2-Dichloroethene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
trans-1,3-Dichloropropene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Trichloroethene	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Trichlorofluoromethane	BRL	0.39		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Vinyl chloride	BRL	0.77		mg/Kg-dry	256983	50	03/07/2018 14:42	NP
Surr: 4-Bromofluorobenzene	87	65-133		%REC	256983	50	03/07/2018 14:42	NP
Surr: Dibromofluoromethane	97.3	75.8-119		%REC	256983	50	03/07/2018 14:42	NP
Surr: Toluene-d8	95.4	78.3-120		%REC	256983	50	03/07/2018 14:42	NP
PERCENT MOISTURE D2216								
Percent Moisture	26.7	0		wt%	R364609	1	03/06/2018 13:00	OO

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 7-Mar-18

Client:	Sailors Engineering Associates	Client Sample ID:	NESW-2 12'
Project Name	700 Sandtown Rd	Collection Date:	2/27/2018 3:15:00 PM
Lab ID:	1802P83-002	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								(SW5035)
1,1,1-Trichloroethane	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
1,1,2,2-Tetrachloroethane	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
1,1,2-Trichloroethane	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
1,1-Dichloroethane	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
1,1-Dichloroethene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
1,2,4-Trichlorobenzene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
1,2-Dibromo-3-chloropropane	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
1,2-Dibromoethane	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
1,2-Dichlorobenzene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
1,2-Dichloroethane	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
1,2-Dichloropropane	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
1,3-Dichlorobenzene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
1,4-Dichlorobenzene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
2-Butanone	BRL	3.1		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
2-Hexanone	BRL	0.63		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
4-Methyl-2-pentanone	BRL	0.63		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Acetone	BRL	6.3		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Benzene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Bromodichloromethane	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Bromoform	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Bromomethane	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Carbon disulfide	BRL	0.63		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Carbon tetrachloride	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Chlorobenzene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Chloroethane	BRL	0.63		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Chloroform	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Chloromethane	BRL	0.63		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
cis-1,2-Dichloroethene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
cis-1,3-Dichloropropene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Cyclohexane	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Dibromochloromethane	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Dichlorodifluoromethane	BRL	0.63		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Ethylbenzene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Freon-113	BRL	0.63		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Isopropylbenzene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
m,p-Xylene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Methyl acetate	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Methyl tert-butyl ether	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Methylcyclohexane	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Methylene chloride	BRL	1.3		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
o-Xylene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc**Date:** 7-Mar-18

Client:	Sailors Engineering Associates	Client Sample ID:	NESW-2 12'
Project Name	700 Sandtown Rd	Collection Date:	2/27/2018 3:15:00 PM
Lab ID:	1802P83-002	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)								
Styrene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Tetrachloroethene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Toluene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
trans-1,2-Dichloroethene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
trans-1,3-Dichloropropene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Trichloroethene	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Trichlorofluoromethane	BRL	0.31		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Vinyl chloride	BRL	0.63		mg/Kg-dry	256983	50	03/07/2018 15:06	NP
Surr: 4-Bromofluorobenzene	86.6	65-133		%REC	256983	50	03/07/2018 15:06	NP
Surr: Dibromofluoromethane	96.9	75.8-119		%REC	256983	50	03/07/2018 15:06	NP
Surr: Toluene-d8	95	78.3-120		%REC	256983	50	03/07/2018 15:06	NP
PERCENT MOISTURE D2216								
Percent Moisture	24.9	0		wt%	R364609	1	03/06/2018 13:00	OO

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 7-Mar-18

Client:	Sailors Engineering Associates	Client Sample ID:	TRIP BLANK
Project Name	700 Sandtown Rd	Collection Date:	2/27/2018
Lab ID:	1802P83-003	Matrix:	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B		(SW5030B)						
1,1,1-Trichloroethane	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
1,1-Dichloroethane	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
1,1-Dichloroethene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
1,2-Dibromoethane	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
1,2-Dichloroethane	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
1,2-Dichloropropane	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
2-Butanone	BRL	10		ug/L	256884	1	03/05/2018 20:02	OM
2-Hexanone	BRL	10		ug/L	256884	1	03/05/2018 20:02	OM
4-Methyl-2-pentanone	BRL	10		ug/L	256884	1	03/05/2018 20:02	OM
Acetone	BRL	20		ug/L	256884	1	03/05/2018 20:02	OM
Benzene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Bromodichloromethane	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Bromoform	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Bromomethane	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Carbon disulfide	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Carbon tetrachloride	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Chlorobenzene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Chloroethane	BRL	10		ug/L	256884	1	03/05/2018 20:02	OM
Chloroform	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Chloromethane	BRL	10		ug/L	256884	1	03/05/2018 20:02	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Cyclohexane	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Dibromochloromethane	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Dichlorodifluoromethane	BRL	10		ug/L	256884	1	03/05/2018 20:02	OM
Ethylbenzene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Freon-113	BRL	10		ug/L	256884	1	03/05/2018 20:02	OM
Isopropylbenzene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
m,p-Xylene	BRL	10		ug/L	256884	1	03/05/2018 20:02	OM
Methyl acetate	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Methylcyclohexane	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Methylene chloride	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
o-Xylene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 7-Mar-18

Client:	Sailors Engineering Associates	Client Sample ID:	TRIP BLANK
Project Name	700 Sandtown Rd	Collection Date:	2/27/2018
Lab ID:	1802P83-003	Matrix:	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B								
							(SW5030B)	
Styrene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Tetrachloroethene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Toluene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Trichloroethene	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Trichlorofluoromethane	BRL	5.0		ug/L	256884	1	03/05/2018 20:02	OM
Vinyl chloride	BRL	2.0		ug/L	256884	1	03/05/2018 20:02	OM
Surr: 4-Bromofluorobenzene	101	68-127		%REC	256884	1	03/05/2018 20:02	OM
Surr: Dibromofluoromethane	101	84.4-122		%REC	256884	1	03/05/2018 20:02	OM
Surr: Toluene-d8	98.4	80.1-116		%REC	256884	1	03/05/2018 20:02	OM

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit



Clear **Save as**

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Sailors Engineering Associates**

AES Work Order Number: **1802P82**

2. Carrier: FedEx UPS USPS Client Courier Other _____

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler Received in good condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	damaged <input type="checkbox"/> leaking <input type="checkbox"/> other <input type="checkbox"/>	
4. Custody seals present on shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5. Custody seals intact on shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6. Temperature blanks present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooling initiated for Recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9. Chain of Custody signed, dated, and timed when relinquished and received?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10. Sampler name and/or signature on COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11. Were all samples received within holding time?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
12. TAT marked on the CCC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	
13. Cooler 1 Temperature 2.1 _____ °C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooler 2 Temperature _____ °C	Cooler 4 Temperature _____ °C
14. Cooler 5 Temperature _____ °C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooler 6 Temperature _____ °C	Cooler 8 Temperature _____ °C
15. Comments: _____					

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
17. Custody seals present on sample containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
18. Custody seals intact on sample containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
19. Do sample container labels match the COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
21. Were all of the samples listed on the COC received?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
24. Were samples received in appropriate containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
26. Were trip blanks submitted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	listed on COC <input type="checkbox"/> not listed on COC <input checked="" type="checkbox"/>	
27. Comments: _____					

	Yes	No	N/A	Details	Comments
This section only applies to samples where pH can be checked at Sample Receipt.					
28. Have containers needing chemical preservation been checked? *	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		I certify that I have completed sections 16-27 (dated initials). KR 3/1/18
29. Containers meet preservation guidelines?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
30. Was pH adjusted at Sample Receipt?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.
I certify that I have completed sections 28-30 (dated initials). KR 3/1/18
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Analytical Environmental Services, Inc

Date: 7-Mar-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name 700 Sandtown Rd
Workorder: 1802P83

BatchID: 256884

Sample ID:	MB-256884	Client ID:	TCL.VOLATILE.ORGANICS	SW8260B	Units:	ug/L	Prep Date:	03/05/2018	Run No:	364459	
Sample Type:	MBLK	TestCode:			BatchID:	256884	Analysis Date:	03/05/2018	Seq No:	8057793	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	50.25	0	50.00			100	68		127		
Surr: Dibromofluoromethane	50.85	0	50.00			102	84.4		122		
Surr: Toluene-d8	48.95	0	50.00			97.9	80.1		116		

Qualifiers: > Greater than Result value < Less than Result value

BRL Below reporting limit

J Estimated value detected below Reporting Limit

Rpt Lim Reporting Limit

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Page 12 of 18

Analytical Environmental Services, Inc

Date: 7-Mar-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name: 700 Sandtown Rd
Workorder: 1802P83

BatchID: 256884

Sample ID:	LCS-256884	Client ID:	TCL VOLATILE ORGANICS	SW8260B	Units: ug/L			Prep Date:	03/05/2018	Run No:	364459
Sample Type:	LCS	TestCode:				BatchID:	256884	Analysis Date:	03/05/2018	Seq No:	8057794
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	59.92	5.0	50.00		120	69	136				
Benzene	56.81	5.0	50.00		114	73.7	126				
Chlorobenzene	57.79	5.0	50.00		116	73.5	124				
Toluene	57.36	5.0	50.00		115	76.8	125				
Trichloroethene	56.93	5.0	50.00		114	70.9	124				
Surr: 4-Bromofluorobenzene	49.82	0	50.00		99.6	68	127				
Surr: Dibromofluoromethane	50.73	0	50.00		101	84.4	122				
Surr: Toluene-d8	48.50	0	50.00		97.0	80.1	116				

Sample ID:	1803241-005AMS	Client ID:	TCL VOLATILE ORGANICS	SW8260B	Units: ug/L			Prep Date:	03/05/2018	Run No:	364525
Sample Type:	MS	TestCode:				BatchID:	256884	Analysis Date:	03/05/2018	Seq No:	8058117
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	60.52	5.0	50.00		121	65.7	143				
Benzene	55.88	5.0	50.00	0.5400	111	66.1	137				
Chlorobenzene	55.93	5.0	50.00		112	70.9	132				
Toluene	59.18	5.0	50.00	2.210	114	63.8	141				
Trichloroethene	56.40	5.0	50.00		113	70.6	128				
Surr: 4-Bromofluorobenzene	51.08	0	50.00		102	68	127				
Surr: Dibromofluoromethane	49.29	0	50.00		98.6	84.4	122				
Surr: Toluene-d8	48.74	0	50.00		97.5	80.1	116				

Sample ID:	1803241-005AMSD	Client ID:	TCL VOLATILE ORGANICS	SW8260B	Units: ug/L			Prep Date:	03/05/2018	Run No:	364525
Sample Type:	MSD	TestCode:				BatchID:	256884	Analysis Date:	03/05/2018	Seq No:	8058118
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	56.96	5.0	50.00	0.5400	114	65.7	143	60.52	6.06	17.7	
Benzene	52.33	5.0	50.00		104	66.1	137	55.88	6.56	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value							
BRL	Below reporting limit		E	Estimated (value above quantitation range)							
J	Estimated value detected below Reporting Limit		N	Analyte not NELAC certified							
Rpt Lim	Reporting Limit		S	Spike Recovery outside limits due to matrix							
			B	Analyte detected in the associated method blank							
			H	Holding times for preparation or analysis exceeded							
			R	RPD outside limits due to matrix							
				Page 13 of 18							

Analytical Environmental Services, Inc

Date: 7-Mar-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name 700 Sandtown Rd
Workorder: 1802P83

BatchID: 256884

Sample ID:	1803241-005AMSD	Client ID:	TCL.VOLATILE.ORGANICS	SW8260B	Units:	ug/L	Prep Date:	03/05/2018	Run No:	364525	
Sample Type:	MSD	TestCode:			BatchID:	256884	Analysis Date:	03/05/2018	Seq No:	8058118	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	51.90	5.0	50.00		104	70.9	132	55.93	7.47	20	
Toluene	55.21	5.0	50.00	2.210	106	63.8	141	59.18	6.94	20	
Trichloroethene	52.63	5.0	50.00		105	70.6	128	56.40	6.92	20	
Surr: 4-Bromofluorobenzene	49.89	0	50.00		99.8	68	127	51.08	0	0	
Surr: Dibromofluoromethane	50.02	0	50.00		100	84.4	122	49.29	0	0	
Surr: Toluene-d8	49.62	0	50.00		99.2	80.1	116	48.74	0	0	

Qualifiers: > Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit

< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 7-Mar-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name 700 Sandtown Rd
Workorder: 1802P83

BatchID: 256983

Sample ID:	MB-256983	Client ID:	TCL.VOLATILE.ORGANICS	SW8260B	Units:	ug/Kg	Prep Date:	03/07/2018	Run No:	364705	
Sample Type:	MBLK	TestCode:			BatchID:	256983	Analysis Date:	03/07/2018	Seq No:	8061627	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	250									19.27
1,1,2,2-Tetrachloroethane	BRL	250									24.14
1,1,2-Trichloroethane	BRL	250									22.73
1,1-Dichloroethane	BRL	250									19.95
1,1-Dichloroethene	BRL	250									21.41
1,2,4-Trichlorobenzene	BRL	250									26.22
1,2-Dibromo-3-chloropropane	BRL	250									24.19
1,2-Dibromoethane	BRL	250									23.87
1,2-Dichlorobenzene	BRL	250									25.98
1,2-Dichloroethane	BRL	250									20.43
1,2-Dichloropropane	BRL	250									21.60
1,3-Dichlorobenzene	BRL	250									26.11
1,4-Dichlorobenzene	BRL	250									26.79
2-Butanone	BRL	2500									44.59
2-Hexanone	BRL	500									39.56
4-Methyl-2-pentanone	BRL	500									38.82
Acetone	BRL	5000									51.29
Benzene	BRL	250									22.12
Bromodichloromethane	BRL	250									22.60
Bromoform	BRL	250									29.65
Bromomethane	BRL	250									19.31
Carbon disulfide	BRL	500									37.43
Carbon tetrachloride	BRL	250									22.62
Chlorobenzene	BRL	250									25.27
Chloroethane	BRL	500									19.28
Chloroform	BRL	250									20.37
Chloromethane	BRL	500									18.61

Qualifiers: > Greater than Result value < Less than Result value
BRL Below reporting limit E Estimated (value above quantitation range)
J Estimated value detected below Reporting Limit N Analyte not NELAC certified
Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 7-Mar-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name 700 Sandtown Rd
Workorder: 1802P83

BatchID: 256983

Sample ID:	MB-256983	Client ID:	TCL.VOLATILE.ORGANICS	SW8260B	Units:	ug/Kg	Prep Date:	03/07/2018	Run No:	364705	
Sample Type:	MBLK	TestCode:			BatchID:	256983	Analysis Date:	03/07/2018	Seq No:	8061627	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	250									21.15
cis-1,3-Dichloropropene	BRL	250									21.54
Cyclohexane	BRL	250									18.52
Dibromochloromethane	BRL	250									25.43
Dichlorodifluoromethane	BRL	500									16.31
Ethylbenzene	BRL	250									23.90
Freon-113	BRL	500									20.19
Isopropylbenzene	BRL	250									23.94
m,p-Xylene	BRL	250									48.51
Methyl acetate	BRL	250									17.21
Methyl tert-butyl ether	BRL	250									17.95
Methylcyclohexane	BRL	250									20.24
Methylene chloride	BRL	1000									20.75
o-Xylene	BRL	250									23.61
Styrene	BRL	250									25.10
Tetrachloroethene	BRL	250									25.41
Toluene	BRL	250									22.82
trans-1,2-Dichloroethene	BRL	250									20.90
trans-1,3-Dichloropropene	BRL	250									19.48
Trichloroethene	BRL	250									22.92
Trichlorofluoromethane	BRL	250									21.88
Vinyl chloride	BRL	500									19.47
Surr: 4-Bromofluorobenzene	2184	0	2500		87.4	65	133		45.71		
Surr: Dibromofluoromethane	2578	0	2500		103	75.8	119		49.78		
Surr: Toluene-d8	2464	0	2500		98.6	78.3	120		48.39		

Qualifiers: > Greater than Result value < Less than Result value

BRL Below reporting limit

J Estimated value detected below Reporting Limit

Rpt Lim Reporting Limit

E Estimated (value above quantitation range)

N Analyte not NELAC certified

S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank

H Holding times for preparation or analysis exceeded

R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Client: Sailors Engineering Associates
Project Name: 700 Sandtown Rd
Workorder: 1802P83

Date: 7-Mar-18

ANALYTICAL QC SUMMARY REPORT**BatchID:** 256983

Sample ID:	LCS-256983	Client ID:	TCL VOLATILE ORGANICS	SW8260B	Units:	ug/Kg	Prep Date:	03/07/2018	Run No:	364705	
Sample Type:	LCS	TestCode:			BatchID:	256983	Analysis Date:	03/07/2018	Seq No:	8061625	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2100	250	2500		84.0	64.8	138		21.41		
Benzene	2060	250	2500		82.4	70	126		22.12		
Chlorobenzene	2406	250	2500		96.2	70	124		25.27		
Toluene	2141	250	2500		85.6	70.4	127		22.82		
Trichloroethene	2248	250	2500		89.9	70.4	129		22.92		
Surr: 4-Bromofluorobenzene	2227	0	2500		89.1	65	133		45.71		
Surr: Dibromofluoromethane	2532	0	2500		101	75.8	119		49.78		
Surr: Toluene-d8	2440	0	2500		97.6	78.3	120		48.39		

Sample ID:	1802P26-001AMS	Client ID:	TCL VOLATILE ORGANICS	SW8260B	Units:	mg/Kg-dry	Prep Date:	03/07/2018	Run No:	364705	
Sample Type:	MS	TestCode:			BatchID:	256983	Analysis Date:	03/07/2018	Seq No:	8062073	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2.315	0.23	2.280		102	58.3	138				
Benzene	2.312	0.23	2.280		101	66.2	127				
Chlorobenzene	2.602	0.23	2.280		114	66	124				
Toluene	2.351	0.23	2.280		103	67.4	127				
Trichloroethene	2.410	0.23	2.280		106	64.9	127				
Surr: 4-Bromofluorobenzene	1.907	0	2.280		83.6	65	133				
Surr: Dibromofluoromethane	2.257	0	2.280		99.0	75.8	119				
Surr: Toluene-d8	2.182	0	2.280		95.7	78.3	120				

Sample ID:	1802P26-001AMSD	Client ID:	TCL VOLATILE ORGANICS	SW8260B	Units:	mg/Kg-dry	Prep Date:	03/07/2018	Run No:	364705	
Sample Type:	MSD	TestCode:			BatchID:	256983	Analysis Date:	03/07/2018	Seq No:	8062201	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2.390	0.23	2.280		105	58.3	138	2.315	3.22	20.2	
Benzene	2.318	0.23	2.280		102	66.2	127	2.312	0.295	18.6	

Qualifiers: > Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit

< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 7-Mar-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name 700 Sandtown Rd
Workorder: 1802P83

BatchID: 256983

Sample ID:	1802P26-001AMSD	Client ID:	TCL.VOLATILE.ORGANICS	SW8260B	Units:	mg/Kg-dry	Prep Date:	03/07/2018	Run No:	364705	
Sample Type:	MSD	TestCode:			BatchID:	256983	Analysis Date:	03/07/2018	Seq No:	8062201	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2.682	0.23	2.280		118	66	124	2.602	3.06	20	
Toluene	2.389	0.23	2.280		105	67.4	127	2.351	1.58	20	
Trichloroethene	2.498	0.23	2.280		110	64.9	127	2.410	3.59	20	
Surr: 4-Bromofluorobenzene	1.962	0	2.280		86.1	65	133	1.907	0	0	
Surr: Dibromofluoromethane	2.218	0	2.280		97.3	75.8	119	2.257	0	0	
Surr: Toluene-d8	2.150	0	2.280		94.3	78.3	120	2.182	0	0	

Qualifiers: > Greater than Result value < Less than Result value
BRL Below reporting limit E Estimated (value above quantitation range)
J Estimated value detected below Reporting Limit N Analyte not NELAC certified
Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

March 15, 2018

Michael Haller
Sailors Engineering Associates

1675 Spectrum Drive
Lawrenceville GA 30043

RE: 700 Sandtown Rd.

Dear Michael Haller: Order No: 1803967

Analytical Environmental Services, Inc. received 4 samples on 3/9/2018 8:10:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/17-06/30/18.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.

-NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Paris Masoudi
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3080 Presidential Drive Atlanta, GA 30340-3704

AES Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 18030107

Date: 3/9/08 Page 1 of 1



Salas Eng Assoc.

COMPANY:

REMANUFACTURED BY:

1675 Spectrum Dr
Lawrenceville, GA
30043

ADDRESS:

PHONE: 770-962-5922

EMAIL:

SAMPLED BY:

SIGNATURE:

Michael Short

#	SAMPLE ID	ANALYSIS REQUESTED			PRESERVATION (see codes)	REMARKS
		SAMPLED:	TIME	GRAB		
1	Ro 274643	3/8	13:48	/	/	
2	Ro 274309	3/8	14:02	/	/	
3	Ro 279717	3/8	14:51	/	/	
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
REMANUFACTURED BY:		DATE/TIME:	RECEIVED BY:	DATE/TIME:	PROJECT INFORMATION	
1 Michael Short		3/9/08 8:10	1 Michael Short	3/9/08 8:10	PROJECT NAME: 700 Sandtown Rd Mass.	RECEIPT
					PROJECT #: 53-018	Total # of Containers
					SITE ADDRESS: 700 Sandtown Rd Mass.	Turnaround Time (TAT) Request
					3.	Standard 5 Business Days
						<input checked="" type="checkbox"/> Business Day Rush
						<input type="checkbox"/> Next Business Day Rush
						<input type="checkbox"/> Same-Day Rush (auth req.)
						<input type="checkbox"/> Other
						STATE PROGRAM (if any): _____
						E-mail?: <input checked="" type="checkbox"/>
						Fax?: <input type="checkbox"/>
						DATA PACKAGE: I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/>
					QUOTE #: _____	PO#: _____

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received at the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water DW = Drinking Water (Blanks) O = Other (specify)
 Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+H = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

Page 2 of 1

White Copy - Original; Yellow Copy - Client

Client: Sailors Engineering Associates
Project: 700 Sandtown Rd.
Lab ID: 1803967

Case Narrative

Sample Receiving Nonconformance:

A Trip Blank was provided but not listed on the Chain of Custody.

Analytical Environmental Services, Inc
Date: 15-Mar-18

Client:	Sailors Engineering Associates	Client Sample ID:	RO 274643
Project Name	700 Sandtown Rd.	Collection Date:	3/8/2018 1:48:00 PM
Lab ID:	1803967-001	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260B (SW5030B)								
1,1-Dichloroethene	BRL	0.10		mg/L	257318	20	03/14/2018 14:00	CC
1,2-Dichloroethane	BRL	0.10		mg/L	257318	20	03/14/2018 14:00	CC
2-Butanone	BRL	0.20		mg/L	257318	20	03/14/2018 14:00	CC
Benzene	BRL	0.10		mg/L	257318	20	03/14/2018 14:00	CC
Carbon tetrachloride	BRL	0.10		mg/L	257318	20	03/14/2018 14:00	CC
Chlorobenzene	BRL	0.10		mg/L	257318	20	03/14/2018 14:00	CC
Chloroform	BRL	0.10		mg/L	257318	20	03/14/2018 14:00	CC
Tetrachloroethene	100	5.0	*	mg/L	257318	1000	03/14/2018 15:10	NP
Trichloroethene	0.27	0.10		mg/L	257318	20	03/14/2018 14:00	CC
Vinyl chloride	BRL	0.040		mg/L	257318	20	03/14/2018 14:00	CC
Surr: 4-Bromofluorobenzene	101	64.3-123		%REC	257318	20	03/14/2018 14:00	CC
Surr: 4-Bromofluorobenzene	82.1	64.3-123		%REC	257318	1000	03/14/2018 15:10	NP
Surr: Dibromofluoromethane	87.7	71.7-127		%REC	257318	20	03/14/2018 14:00	CC
Surr: Dibromofluoromethane	102	71.7-127		%REC	257318	1000	03/14/2018 15:10	NP
Surr: Toluene-d8	88.1	75.1-118		%REC	257318	20	03/14/2018 14:00	CC
Surr: Toluene-d8	97.9	75.1-118		%REC	257318	1000	03/14/2018 15:10	NP

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 15-Mar-18

Client:	Sailors Engineering Associates	Client Sample ID:	RO 274209
Project Name	700 Sandtown Rd.	Collection Date:	3/8/2018 2:02:00 PM
Lab ID:	1803967-002	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260B (SW5030B)								
1,1-Dichloroethene	BRL	0.10		mg/L	257318	20	03/14/2018 15:21	CC
1,2-Dichloroethane	BRL	0.10		mg/L	257318	20	03/14/2018 15:21	CC
2-Butanone	BRL	0.20		mg/L	257318	20	03/14/2018 15:21	CC
Benzene	BRL	0.10		mg/L	257318	20	03/14/2018 15:21	CC
Carbon tetrachloride	BRL	0.10		mg/L	257318	20	03/14/2018 15:21	CC
Chlorobenzene	BRL	0.10		mg/L	257318	20	03/14/2018 15:21	CC
Chloroform	BRL	0.10		mg/L	257318	20	03/14/2018 15:21	CC
Tetrachloroethene	43	2.5	*	mg/L	257318	500	03/14/2018 17:34	NP
Trichloroethene	0.15	0.10		mg/L	257318	20	03/14/2018 15:21	CC
Vinyl chloride	BRL	0.040		mg/L	257318	20	03/14/2018 15:21	CC
Surr: 4-Bromofluorobenzene	95.4	64.3-123		%REC	257318	20	03/14/2018 15:21	CC
Surr: 4-Bromofluorobenzene	85.8	64.3-123		%REC	257318	500	03/14/2018 17:34	NP
Surr: Dibromofluoromethane	98.2	71.7-127		%REC	257318	20	03/14/2018 15:21	CC
Surr: Dibromofluoromethane	98.3	71.7-127		%REC	257318	500	03/14/2018 17:34	NP
Surr: Toluene-d8	82.4	75.1-118		%REC	257318	20	03/14/2018 15:21	CC
Surr: Toluene-d8	95	75.1-118		%REC	257318	500	03/14/2018 17:34	NP

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 15-Mar-18

Client:	Sailors Engineering Associates	Client Sample ID:	RO 279717
Project Name	700 Sandtown Rd.	Collection Date:	3/8/2018 2:51:00 PM
Lab ID:	1803967-003	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260B (SW5030B)								
1,1-Dichloroethene	BRL	0.10		mg/L	257318	20	03/14/2018 16:42	CC
1,2-Dichloroethane	BRL	0.10		mg/L	257318	20	03/14/2018 16:42	CC
2-Butanone	BRL	0.20		mg/L	257318	20	03/14/2018 16:42	CC
Benzene	BRL	0.10		mg/L	257318	20	03/14/2018 16:42	CC
Carbon tetrachloride	BRL	0.10		mg/L	257318	20	03/14/2018 16:42	CC
Chlorobenzene	BRL	0.10		mg/L	257318	20	03/14/2018 16:42	CC
Chloroform	BRL	0.10		mg/L	257318	20	03/14/2018 16:42	CC
Tetrachloroethene	130	5.0	*	mg/L	257318	1000	03/14/2018 17:10	NP
Trichloroethene	0.40	0.10		mg/L	257318	20	03/14/2018 16:42	CC
Vinyl chloride	BRL	0.040		mg/L	257318	20	03/14/2018 16:42	CC
Surr: 4-Bromofluorobenzene	95.8	64.3-123		%REC	257318	20	03/14/2018 16:42	CC
Surr: 4-Bromofluorobenzene	88.4	64.3-123		%REC	257318	1000	03/14/2018 17:10	NP
Surr: Dibromofluoromethane	89.4	71.7-127		%REC	257318	20	03/14/2018 16:42	CC
Surr: Dibromofluoromethane	99.5	71.7-127		%REC	257318	1000	03/14/2018 17:10	NP
Surr: Toluene-d8	89	75.1-118		%REC	257318	20	03/14/2018 16:42	CC
Surr: Toluene-d8	95.7	75.1-118		%REC	257318	1000	03/14/2018 17:10	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 15-Mar-18

Client:	Sailors Engineering Associates	Client Sample ID:	TRIP BLANK
Project Name	700 Sandtown Rd.	Collection Date:	3/8/2018
Lab ID:	1803967-004	Matrix:	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260B (SW5030B)								
1,1-Dichloroethene	BRL	0.10		mg/L	257318	20	03/13/2018 18:30	CC
1,2-Dichloroethane	BRL	0.10		mg/L	257318	20	03/13/2018 18:30	CC
2-Butanone	BRL	0.20		mg/L	257318	20	03/13/2018 18:30	CC
Benzene	BRL	0.10		mg/L	257318	20	03/13/2018 18:30	CC
Carbon tetrachloride	BRL	0.10		mg/L	257318	20	03/13/2018 18:30	CC
Chlorobenzene	BRL	0.10		mg/L	257318	20	03/13/2018 18:30	CC
Chloroform	BRL	0.10		mg/L	257318	20	03/13/2018 18:30	CC
Tetrachloroethene	BRL	0.10		mg/L	257318	20	03/13/2018 18:30	CC
Trichloroethene	BRL	0.10		mg/L	257318	20	03/13/2018 18:30	CC
Vinyl chloride	BRL	0.040		mg/L	257318	20	03/13/2018 18:30	CC
Surr: 4-Bromofluorobenzene	94.6	64.3-123	%REC		257318	20	03/13/2018 18:30	CC
Surr: Dibromofluoromethane	106	71.7-127	%REC		257318	20	03/13/2018 18:30	CC
Surr: Toluene-d8	93.9	75.1-118	%REC		257318	20	03/13/2018 18:30	CC

Qualifiers:

- * Value exceeds maximum contaminant level
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- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

SAMPLE/COOLER RECEIPT CHECKLIST1. Client Name: **Sailors Engineering Associates**AES Work Order Number: **1803967**

2. Carrier: FedEx UPS USPS Client Courier Other

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler received in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	damaged <input type="checkbox"/> leaking <input type="checkbox"/> other <input type="checkbox"/>	
4. Custody seals present on shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5. Custody seals intact on shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6. Temperature blanks present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cooling initiated for recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9. Chain of Custody signed, dated, and timed when relinquished and received?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10. Sampler name and/or signature on COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11. Were all samples received within holding time?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
12. TAT marked on the COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	
13. Cooler 1 Temperature <u>1.6</u> °C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooler 2 Temperature <u> </u> °C	Cooler 4 Temperature <u> </u> °C
14. Cooler 5 Temperature <u> </u> °C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooler 6 Temperature <u> </u> °C	Cooler 8 Temperature <u> </u> °C
15. Comments: _____					

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
17. Custody seals present on sample containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
18. Custody seals intact on sample containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
19. Do sample container labels match the COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
21. Were all of the samples listed on the COC received?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
24. Were samples received in appropriate containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
26. Were trip blanks submitted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	listed on COC <input type="checkbox"/> not listed on COC <input checked="" type="checkbox"/>	
27. Comments: _____					

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
29. Containers meet preservation guidelines?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
30. Was pH adjusted at Sample Receipt?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.
I certify that I have completed sections 28-30 (dated initials). AU 3/9/18

I certify that I have completed sections 16-27 (dated initials). AU 3/9/18

I certify that I have completed sections 1-15 (dated initials). AU 3/9/18

Analytical Environmental Services, Inc

Date: 15-Mar-18
ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name: 700 Sandtown Rd.
Workorder: 1803967

BatchID: 257318

Sample ID:	MB-257318	Client ID:	TestCode: VOLATILES, TCLP	SW1311/8260B							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	BRL	0.10									
1,2-Dichloroethane	BRL	0.10									
2-Butanone	BRL	0.20									
Benzene	BRL	0.10									
Carbon tetrachloride	BRL	0.10									
Chlorobenzene	BRL	0.10									
Chloroform	BRL	0.10									
Tetrachloroethene	BRL	0.10									
Trichloroethene	BRL	0.10									
Vinyl chloride	BRL	0.040									
Surr: 4-Bromofluorobenzene	1.002	0	1.000			100	64.3		123		
Surr: Dibromofluoromethane	1.000	0	1.000			100	71.7		127		
Surr: Toluene-d8	0.9972	0	1.000			99.7	75.1		118		

Sample ID:	LCS-257318	Client ID:	TestCode: VOLATILES, TCLP	SW1311/8260B							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1.171	0.10	1.000			117	57.5		135		
1,2-Dichloroethane	1.130	0.10	1.000			113	66.7		134		
2-Butanone	2.558	0.20	2.000			128	60.7		139		
Benzene	1.222	0.10	1.000			122	73.2		132		
Carbon tetrachloride	1.148	0.10	1.000			115	63.5		139		
Chlorobenzene	1.122	0.10	1.000			112	76.3		129		
Chloroform	1.164	0.10	1.000			116	64.9		127		
Tetrachloroethene	1.092	0.10	1.000			109	73.1		135		
Trichloroethene	1.156	0.10	1.000			116	75.1		132		

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Analytical Environmental Services, Inc

Date: 15-Mar-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name: 700 Sandtown Rd.
Workorder: 1803967

BatchID: 257318

Sample ID:	LCS-257318	Client ID:	TestCode: VOLATILES, TCLP	BatchID: 257318	Units: mg/L	Prep Date: 03/13/2018	Run No: 365223					
Sample Type:	LCS		SW1311/8260B			Analysis Date: 03/13/2018	Seq No: 8074159					
Analyte		Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vinyl chloride		0.7424	0.040	1.000		74.2	55.3	135				
Surr: 4-Bromofluorobenzene		0.9882	0	1.000		98.8	64.3	123				
Surr: Dibromofluoromethane		0.9886	0	1.000		98.9	71.7	127				
Surr: Toluene-d8		0.9908	0	1.000		99.1	75.1	118				

Sample ID:	1803B99-002AMS	Client ID:	TestCode: VOLATILES, TCLP	BatchID: 257318	Units: mg/L	Prep Date: 03/13/2018	Run No: 365322					
Sample Type:	MS		SW1311/8260B			Analysis Date: 03/14/2018	Seq No: 80773314					
Analyte		Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene		1.129	0.10	1.000		113	62.2	135				
1,2-Dichloroethane		0.8066	0.10	1.000		80.7	65.1	132				
2-Butanone		1.720	0.20	2.000		86.0	56.4	142				
Benzene		0.9674	0.10	1.000		96.7	71.7	132				
Carbon tetrachloride		1.035	0.10	1.000		104	66.1	138				
Chlorobenzene		1.032	0.10	1.000		103	72	125				
Chloroform		0.8958	0.10	1.000		89.6	60.8	130				
Tetrachloroethene		1.082	0.10	1.000		108	72.8	137				
Trichloroethene		0.9998	0.10	1.000		100.0	71.5	132				
Vinyl chloride		1.107	0.040	1.000		111	60.3	135				
Surr: 4-Bromofluorobenzene		0.9440	0	1.000		94.4	64.3	123				
Surr: Dibromofluoromethane		1.012	0	1.000		101	71.7	127				
Surr: Toluene-d8		1.014	0	1.000		101	75.1	118				

Sample ID:	1803B99-002ADUP	Client ID:	TestCode: VOLATILES, TCLP	BatchID: 257318	Units: mg/L	Prep Date: 03/13/2018	Run No: 365172					
Sample Type:	DUP		SW1311/8260B			Analysis Date: 03/13/2018	Seq No: 8073311					
Analyte		Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene		BRL		0.10		<	Less than Result value					B Analyte detected in the associated method blank

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 R Rpt Lim Reporting Limit
 S Spike Recovery outside limits due to matrix

E Estimated (value above quantitation range)
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 P RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 15-Mar-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name 700 Sandtown Rd.
Workorder: 1803967

BatchID: 257318

Sample ID:	1803B99-002ADUP	Client ID:	SW1311/8260B	Units:	mg/L	Prep Date:	03/13/2018	Run No.:	365172		
Sample Type:	DUP	TestCode:	VOLATILES, TCLP	BatchID:	257318	Analysis Date:	03/13/2018	Seq No.:	8073311		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	BRL	0.10						0	0	0	30
2-Butanone	BRL	0.20						0	0	0	30
Benzene	BRL	0.10						0	0	0	30
Carbon tetrachloride	BRL	0.10						0	0	0	30
Chlorobenzene	BRL	0.10						0	0	0	30
Chloroform	BRL	0.10						0	0	0	30
Tetrachloroethylene	BRL	0.10						0	0	0	30
Trichloroethylene	BRL	0.040						0	0	0	30
Vinyl chloride	BRL	0.040						0	0	0	30
Surr: 4-Bromofluorobenzene	1.010	0	1.000		101	64.3	123	1.012	0	0	
Surr: Dibromofluoromethane	1.019	0	1.000		102	71.7	127	1.031	0	0	
Surr: Toluene-d8	0.9876	0	1.000		98.8	75.1	118	1.009	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
J		Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R RPD outside limits due to matrix
		Rpt Lim Reporting Limit	S	Spike Recovery outside limits due to matrix	Page 11 of 11



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

May 17, 2018

Michael Haller
Sailors Engineering Associates
1675 Spectrum Drive
Lawrenceville GA 30043

RE: Sandtown Rd

Dear Michael Haller: Order No: 1805E20

Analytical Environmental Services, Inc. received 3 samples on 5/14/2018 1:40:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/17-06/30/18.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.

-NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Paris Masoudi".

Paris Masoudi
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3080 Presidential Drive Atlanta, GA 30340-3704

Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188



CHAIN OF CUSTODY

Work Order: 1805620

AES Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

Date: 5/14/18 Page 1 of 1

COMPANY: <i>Saint Louis Eng. Assoc.</i>		ADDRESS: 1675 Spectrum Dr Lawrenceville, Ga 30043		ANALYSIS REQUESTED						Number of Containers			
PHONE: 770-962-5922	EMAIL: <i>Signature</i>							Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.					
SAMPLED BY: <i>Michael Shantz</i>	SAMPLED:	PRESERVATION (see codes)						REMARKS					
#	SAMPLE ID	DATE	TIME	GRAB	COMPOSITE	MATRIX (see codes)							
1	RO 274209	5/14	11:26	/	/	/							
2	RO 274643	5/14	11:35	/	/	/							
3	RO 279717	5/14	11:47	/	/	/							
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
RELINQUISHED BY: <i>Michael Shantz</i>	DATE/TIME: 5/14/18 1:30pm	RECEIVED BY: <i>Michael Shantz</i>	DATE/TIME: 5/14/18 1:30pm	PROJECT INFORMATION						RECEIPT	Total # of Containers		
1.				PROJECT NAME: Sandtown Rd Marine						Turnaround Time (TAT) Request			
2.				PROJECT #: 152-018						<input type="checkbox"/> Standard 5 Business Days			
3.				SITE ADDRESS: 700 Sandtown Rd Marine						<input checked="" type="checkbox"/> Business Day Rush			
										<input type="checkbox"/> Next Business Day Rush			
										<input type="checkbox"/> Same-Day Rush (auth req.)			
										<input type="checkbox"/> Other			
										STATE PROGRAM (if any):			
										E-mail? <input checked="" type="checkbox"/>	Fax? <input type="checkbox"/>		
										QUOTE #: <i>101</i>	DATA PACKAGE: I <input type="radio"/> II <input type="radio"/> III <input type="radio"/> IV <input type="radio"/>		
Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT.													
Samples are disposed of 30 days after completion of report unless other arrangements are made.													

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water DW = Drinking Water (Blanks) O = Other (specify) Preservative Codes: H+I = Hydrochloric acid + ice N = Nitric acid S+H = Sulfuric acid + ice S/M+H = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None White Copy - Original: Y Black Copy: N

Analytical Environmental Services, Inc
Date: 17-May-18

Client:	Sailors Engineering Associates	Client Sample ID:	RO 274209
Project Name	Sandtown Rd	Collection Date:	5/14/2018 11:26:00 AM
Lab ID:	1805E20-001	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260B								
							(SW5030B)	
1,1-Dichloroethene	BRL	100		ug/L	260849	20	05/17/2018 01:08	CC
1,2-Dichloroethane	BRL	100		ug/L	260849	20	05/17/2018 01:08	CC
2-Butanone	BRL	200		ug/L	260849	20	05/17/2018 01:08	CC
Benzene	BRL	100		ug/L	260849	20	05/17/2018 01:08	CC
Carbon tetrachloride	BRL	100		ug/L	260849	20	05/17/2018 01:08	CC
Chlorobenzene	BRL	100		ug/L	260849	20	05/17/2018 01:08	CC
Chloroform	BRL	100		ug/L	260849	20	05/17/2018 01:08	CC
Tetrachloroethene	17000	500	*	ug/L	260849	100	05/17/2018 15:17	CC
Trichloroethene	BRL	100		ug/L	260849	20	05/17/2018 01:08	CC
Vinyl chloride	BRL	40		ug/L	260849	20	05/17/2018 01:08	CC
Surr: 4-Bromofluorobenzene	88.2	64.3-123		%REC	260849	100	05/17/2018 15:17	CC
Surr: 4-Bromofluorobenzene	89.1	64.3-123		%REC	260849	20	05/17/2018 01:08	CC
Surr: Dibromofluoromethane	99.1	71.7-127		%REC	260849	100	05/17/2018 15:17	CC
Surr: Dibromofluoromethane	96.5	71.7-127		%REC	260849	20	05/17/2018 01:08	CC
Surr: Toluene-d8	98.4	75.1-118		%REC	260849	100	05/17/2018 15:17	CC
Surr: Toluene-d8	92.6	75.1-118		%REC	260849	20	05/17/2018 01:08	CC

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 17-May-18

Client:	Sailors Engineering Associates	Client Sample ID:	RO 274643
Project Name	Sandtown Rd	Collection Date:	5/14/2018 11:35:00 AM
Lab ID:	1805E20-002	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260B (SW5030B)								
1,1-Dichloroethene	BRL	100		ug/L	260849	20	05/17/2018 14:29	CC
1,2-Dichloroethane	BRL	100		ug/L	260849	20	05/17/2018 14:29	CC
2-Butanone	BRL	200		ug/L	260849	20	05/17/2018 14:29	CC
Benzene	BRL	100		ug/L	260849	20	05/17/2018 14:29	CC
Carbon tetrachloride	BRL	100		ug/L	260849	20	05/17/2018 14:29	CC
Chlorobenzene	BRL	100		ug/L	260849	20	05/17/2018 14:29	CC
Chloroform	BRL	100		ug/L	260849	20	05/17/2018 14:29	CC
Tetrachloroethene	41000	2500	*	ug/L	260849	500	05/17/2018 14:56	CC
Trichloroethene	BRL	100		ug/L	260849	20	05/17/2018 14:29	CC
Vinyl chloride	BRL	40		ug/L	260849	20	05/17/2018 14:29	CC
Surr: 4-Bromofluorobenzene	93.3	64.3-123		%REC	260849	500	05/17/2018 14:56	CC
Surr: 4-Bromofluorobenzene	83.2	64.3-123		%REC	260849	20	05/17/2018 14:29	CC
Surr: Dibromofluoromethane	105	71.7-127		%REC	260849	500	05/17/2018 14:56	CC
Surr: Dibromofluoromethane	98.9	71.7-127		%REC	260849	20	05/17/2018 14:29	CC
Surr: Toluene-d8	91.1	75.1-118		%REC	260849	500	05/17/2018 14:56	CC
Surr: Toluene-d8	84.5	75.1-118		%REC	260849	20	05/17/2018 14:29	CC

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 17-May-18

Client:	Sailors Engineering Associates	Client Sample ID:	RO 279717
Project Name	Sandtown Rd	Collection Date:	5/14/2018 11:47:00 AM
Lab ID:	1805E20-003	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260B (SW5030B)								
1,1-Dichloroethene	BRL	100		ug/L	260849	20	05/17/2018 14:02	CC
1,2-Dichloroethane	BRL	100		ug/L	260849	20	05/17/2018 14:02	CC
2-Butanone	BRL	200		ug/L	260849	20	05/17/2018 14:02	CC
Benzene	BRL	100		ug/L	260849	20	05/17/2018 14:02	CC
Carbon tetrachloride	BRL	100		ug/L	260849	20	05/17/2018 14:02	CC
Chlorobenzene	BRL	100		ug/L	260849	20	05/17/2018 14:02	CC
Chloroform	BRL	100		ug/L	260849	20	05/17/2018 14:02	CC
Tetrachloroethene	16000	2500	*	ug/L	260849	500	05/17/2018 15:23	CC
Trichloroethene	BRL	100		ug/L	260849	20	05/17/2018 14:02	CC
Vinyl chloride	BRL	40		ug/L	260849	20	05/17/2018 14:02	CC
Surr: 4-Bromofluorobenzene	95.1	64.3-123		%REC	260849	500	05/17/2018 15:23	CC
Surr: 4-Bromofluorobenzene	85.8	64.3-123		%REC	260849	20	05/17/2018 14:02	CC
Surr: Dibromofluoromethane	104	71.7-127		%REC	260849	20	05/17/2018 14:02	CC
Surr: Dibromofluoromethane	103	71.7-127		%REC	260849	500	05/17/2018 15:23	CC
Surr: Toluene-d8	87.1	75.1-118		%REC	260849	500	05/17/2018 15:23	CC
Surr: Toluene-d8	85.9	75.1-118		%REC	260849	20	05/17/2018 14:02	CC

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit



Clear

Save as

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Sailors Engineering Associates**AES Work Order Number: **1802P82**2. Carrier: FedEx UPS USPS Client Courier Other _____

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler Received in good condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	damaged <input type="checkbox"/> leaking <input type="checkbox"/> other <input type="checkbox"/>	
4. Custody seals present on shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5. Custody seals intact on shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6. Temperature blanks present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooling initiated for Recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9. Chain of Custody signed, dated, and timed when relinquished and received?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10. Sampler name and/or signature on COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11. Were all samples received within holding time?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
12. TAT marked on the CCC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	
13. Cooler 1 Temperature 2.1 _____ °C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooler 2 Temperature _____ °C	Cooler 4 Temperature _____ °C
14. Cooler 5 Temperature _____ °C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooler 6 Temperature _____ °C	Cooler 8 Temperature _____ °C
15. Comments: _____					

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
17. Custody seals present on sample containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
18. Custody seals intact on sample containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
19. Do sample container labels match the COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
21. Were all of the samples listed on the COC received?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
24. Were samples received in appropriate containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
26. Were trip blanks submitted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	listed on COC <input type="checkbox"/> not listed on COC <input checked="" type="checkbox"/>	
27. Comments:					

	Yes	No	N/A	Details	Comments
This section only applies to samples where pH can be checked at Sample Receipt.					I certify that I have completed sections 16-27 (dated initials). KR 3/1/18
28. Have containers needing chemical preservation been checked? *	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
29. Containers meet preservation guidelines?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
30. Was pH adjusted at Sample Receipt?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials).

Locked

Analytical Environmental Services, Inc
ANALYTICAL QC SUMMARY REPORT
 Client: Sailors Engineering Associates
 Project Name Sandtown Rd
 Workorder: 1805E20

Date: 18-May-18

BatchID: 260849

Sample ID:	MB-260849	Client ID:	SW1311/8260B					Units: mg/L	Prep Date: 05/16/2018	Run No: 370513	
Sample Type:	MBLK	TestCode:	VOLATILES, TCLP					BatchID: 260849	Analysis Date: 05/17/2018	Seq No: 8214406	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	BRL	0.10									
1,2-Dichloroethane	BRL	0.10									
2-Butanone	BRL	0.20									
Benzene	BRL	0.10									
Carbon tetrachloride	BRL	0.10									
Chlorobenzene	BRL	0.10									
Chloroform	BRL	0.10									
Tetrachloroethene	BRL	0.10									
Trichloroethene	BRL	0.10									
Vinyl chloride	BRL	0.040									
Surr: 4-Bromofluorobenzene	0.9040	0	1.000			90.4	64.3		123		
Surr: Dibromofluoromethane	0.9240	0	1.000			92.4	71.7		127		
Surr: Toluene-d8	0.9714	0	1.000			97.1	75.1		118		

Sample ID:	LCS-260849	Client ID:	SW1311/8260B					Units: mg/L	Prep Date: 05/16/2018	Run No: 370514	
Sample Type:	LCS	TestCode:	VOLATILES, TCLP					BatchID: 260849	Analysis Date: 05/17/2018	Seq No: 8215704	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.8040	0.10	1.000			80.4	57.5		135		
1,2-Dichloroethane	1.210	0.10	1.000			121	66.7		134		
2-Butanone	2.546	0.20	2.000			127	60.7		139		
Benzene	1.030	0.10	1.000			103	73.2		132		
Carbon tetrachloride	1.327	0.10	1.000			133	63.5		139		
Chlorobenzene	1.199	0.10	1.000			120	76.3		129		
Chloroform	1.083	0.10	1.000			108	64.9		127		
Tetrachloroethene	1.287	0.10	1.000			129	73.1		135		
Trichloroethene	1.297	0.10	1.000			130	75.1		132		

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value
 E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 18-May-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name Sandtown Rd
Workorder: 1805E20

BatchID: 260849

Sample ID:	LCS-260849	Client ID:	TestCode: VOLATILES, TCLP	BatchID: 260849	Units: mg/L	Prep Date: 05/16/2018	Run No: 370514				
Sample Type:	LCS	TestCode:	SW1311/8260B		Analysis Date: 05/17/2018	Seq No: 8215704					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vinyl chloride	0.9804	0.040	1.000		98.0	55.3	135				
Surr: 4-Bromofluorobenzene	0.9522	0	1.000		95.2	64.3	123				
Surr: Dibromofluoromethane	0.9694	0	1.000		96.9	71.7	127				
Surr: Toluene-d8	1.062	0	1.000		106	75.1	118				

Sample ID:	1805C01-005AMS	Client ID:	TestCode: VOLATILES, TCLP	BatchID: 260849	Units: mg/L	Prep Date: 05/16/2018	Run No: 370514				
Sample Type:	MS	TestCode:	SW1311/8260B		Analysis Date: 05/17/2018	Seq No: 8217845					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.7806	0.10	1.000		78.1	62.2	135				
1,2-Dichloroethane	1.197	0.10	1.000		120	65.1	132				
2-Butanone	2.646	0.20	2.000		132	56.4	142				
Benzene	1.006	0.10	1.000		101	71.7	132				
Carbon tetrachloride	1.276	0.10	1.000		128	66.1	138				
Chlorobenzene	1.140	0.10	1.000		114	72	125				
Chloroform	1.013	0.10	1.000		101	60.8	130				
Tetrachloroethene	1.238	0.10	1.000		124	72.8	137				
Trichloroethene	1.257	0.10	1.000		126	71.5	132				
Vinyl chloride	1.008	0.040	1.000		101	60.3	135				
Surr: 4-Bromofluorobenzene	1.059	0	1.000		106	64.3	123				
Surr: Dibromofluoromethane	0.9508	0	1.000		95.1	71.7	127				
Surr: Toluene-d8	1.064	0	1.000		106	75.1	118				

Sample ID:	1805C01-005ADUP	Client ID:	TestCode: VOLATILES, TCLP	BatchID: 260849	Units: mg/L	Prep Date: 05/16/2018	Run No: 370513				
Sample Type:	DUP	TestCode:	SW1311/8260B		Analysis Date: 05/17/2018	Seq No: 8214414					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	BRL	0.10				0	0	0	0	0	30

Qualifiers: > Greater than Result value
BRL Below reporting limit
J Estimated value detected below Reporting Limit
Rpt Lim Reporting Limit

< Less than Result value
E Estimated (value above quantitation range)
N Analyte not NELAC certified
S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 18-May-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name Sandtown Rd
Workorder: 1805E20

BatchID: 260849

Sample ID:	1805C01-005ADUP	Client ID:	SW1311/8260B	Units:	mg/L	Prep Date:	05/16/2018	Run No.:	370513		
Sample Type:	DUP	TestCode:	VOLATILES, TCLP	BatchID:	260849	Analysis Date:	05/17/2018	Seq No.:	8214414		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	BRL	0.10						0	0	0	30
2-Butanone	BRL	0.20						0	0	0	30
Benzene	BRL	0.10						0	0	0	30
Carbon tetrachloride	BRL	0.10						0	0	0	30
Chlorobenzene	BRL	0.10						0	0	0	30
Chloroform	BRL	0.10						0	0	0	30
Tetrachloroethylene	BRL	0.10						0	0	0	30
Trichloroethylene	BRL	0.040						0	0	0	30
Vinyl chloride	BRL		0.040					0	0	0	30
Surr: 4-Bromofluorobenzene	0.8922	0	1.000		89.2	64.3	123	0.8256	0	0	
Surr: Dibromofluoromethane	1.020	0	1.000		102	71.7	127	0.9584	0	0	
Surr: Toluene-d8	0.9852	0	1.000		98.5	75.1	118	0.9650	0	0	

Qualifiers: > Greater than Result value < Less than Result value
BRL Below reporting limit E Estimated (value above quantitation range)
J Estimated value detected below Reporting Limit N Analyte not NELAC certified
Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 22, 2018

Michael Haller
Sailors Engineering Associates
1675 Spectrum Drive
Lawrenceville GA 30043

RE: Sandtown

Dear Michael Haller: Order No: 1806J22

Analytical Environmental Services, Inc. received 3 samples on 6/19/2018 1:15:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/17-06/30/18.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.

-NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Paris Masoudi".

Paris Masoudi
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3080 Presidential Drive Atlanta, GA 30340-3704



AES Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

CHAIN OF CUSTODY

Work Order: 1806322Page 1 of 1

COMPANY: Sailors Eng. Assoc.		ADDRESS: 1675 Spectrum Dr. Lawrenceville, GA 30043		ANALYSIS REQUESTED		Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.	
#	SAMPLE ID	SAMPLED:	MATRIX (see codes)	PRESERVATION (see codes)	REMARKS		
						DATE/TIME:	RECEIVED BY:
1	RO 274209	6/19	GRAB	/	/	06/19/2018	<i>Michael Shaeff</i>
2	RO 274643	6/19	GRAB	/	/	06/19/2018	<i>Michael Shaeff</i>
3	RO 279717	6/19	GRAB	/	/	06/19/2018	<i>Michael Shaeff</i>
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
RELEASER BY: <i>Michael Shaeff</i>		DATE/TIME: <i>6/19/18 13:15</i>		DATE/TIME: <i>06/19/2018 01:19:57pm</i>		PROJECT INFORMATION	
1.						PROJECT NAME: <i>Sampletown</i>	
2.						PROJECT #: <i>152-018</i>	
3.						SITE ADDRESS: <i>800 Sandtown Rd. Marietta</i>	
						SEND REPORT TO: <i>Mike Heller</i>	
						INVOICE TO: (IF DIFFERENT FROM ABOVE)	
						QUOTE #: _____	
						PO#: _____	
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD			
1.				OUT: / / client FedEx UPS US mail courier Greyhound other: _____		VIA: / / Via: _____	
2.							
3.							

Number of Containers 2 Turnaround Time (TAT) Request 3

Standard 5 Business Days
 Business Day Rush
 Next Business Day Rush
 Same-Day Rush (auth req.)
 Other _____

STATE PROGRAM (if any): None E-mail? Fax? DATA PACKAGE: I II III IV

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water DW = Drinking Water (Blanks) O = Other (specify)
 Preservative Codes: H+I = Hydrochloric acid + ice N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None
 White Copy - Original; Yellow Copy - Client

Client: Sailors Engineering Associates
Project: Sandtown
Lab ID: 1806J22

Case Narrative

Sample Receiving Nonconformance:

Samples for pH analysis by Method SW9045D were received and analyzed outside method specified holding time of "immediate or 15 minutes."

Volatiles Organic Compounds Analysis by Method 8260B:

Due to sample matrix, samples 1806J22-002A required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc
Date: 22-Jun-18

Client:	Sailors Engineering Associates	Client Sample ID:	RO 274209					
Project Name	Sandtown	Collection Date:	6/19/2018 11:46:00 AM					
Lab ID:	1806J22-001	Matrix:	Soil					
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260B								(SW5030B)
1,1-Dichloroethene	BRL	0.10		mg/L	262740	20	06/21/2018 14:10	CC
1,2-Dichloroethane	BRL	0.10		mg/L	262740	20	06/21/2018 14:10	CC
2-Butanone	BRL	0.20		mg/L	262740	20	06/21/2018 14:10	CC
Benzene	BRL	0.10		mg/L	262740	20	06/21/2018 14:10	CC
Carbon tetrachloride	BRL	0.10		mg/L	262740	20	06/21/2018 14:10	CC
Chlorobenzene	BRL	0.10		mg/L	262740	20	06/21/2018 14:10	CC
Chloroform	BRL	0.10		mg/L	262740	20	06/21/2018 14:10	CC
Tetrachloroethene	24	2.5	*	mg/L	262740	500	06/21/2018 14:41	CC
Trichloroethene	BRL	0.10		mg/L	262740	20	06/21/2018 14:10	CC
Vinyl chloride	BRL	0.040		mg/L	262740	20	06/21/2018 14:10	CC
Surr: 4-Bromofluorobenzene	76.8	64.3-123		%REC	262740	20	06/21/2018 14:10	CC
Surr: 4-Bromofluorobenzene	77.2	64.3-123		%REC	262740	500	06/21/2018 14:41	CC
Surr: Dibromofluoromethane	98.1	71.7-127		%REC	262740	20	06/21/2018 14:10	CC
Surr: Dibromofluoromethane	95.2	71.7-127		%REC	262740	500	06/21/2018 14:41	CC
Surr: Toluene-d8	90.3	75.1-118		%REC	262740	20	06/21/2018 14:10	CC
Surr: Toluene-d8	91.9	75.1-118		%REC	262740	500	06/21/2018 14:41	CC
Laboratory Hydrogen Ion (pH) SW9045D								(SW9045D)
pH	10.6	0.01	H	pH Units	262845	1	06/22/2018 11:45	BD

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc**Date:** 22-Jun-18

Client:	Sailors Engineering Associates	Client Sample ID:	RO 274643
Project Name	Sandtown	Collection Date:	6/19/2018 11:57:00 AM
Lab ID:	1806J22-002	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260B (SW5030B)								
1,1-Dichloroethene	BRL	25		mg/L	262740	5000	06/21/2018 16:38	CC
1,2-Dichloroethane	BRL	25		mg/L	262740	5000	06/21/2018 16:38	CC
2-Butanone	BRL	50		mg/L	262740	5000	06/21/2018 16:38	CC
Benzene	BRL	25		mg/L	262740	5000	06/21/2018 16:38	CC
Carbon tetrachloride	BRL	25		mg/L	262740	5000	06/21/2018 16:38	CC
Chlorobenzene	BRL	25		mg/L	262740	5000	06/21/2018 16:38	CC
Chloroform	BRL	25		mg/L	262740	5000	06/21/2018 16:38	CC
Tetrachloroethene	55	25	*	mg/L	262740	5000	06/21/2018 16:38	CC
Trichloroethene	BRL	25		mg/L	262740	5000	06/21/2018 16:38	CC
Vinyl chloride	BRL	10		mg/L	262740	5000	06/21/2018 16:38	CC
Surr: 4-Bromofluorobenzene	75.3	64.3-123		%REC	262740	5000	06/21/2018 16:38	CC
Surr: Dibromofluoromethane	91.1	71.7-127		%REC	262740	5000	06/21/2018 16:38	CC
Surr: Toluene-d8	90.7	75.1-118		%REC	262740	5000	06/21/2018 16:38	CC
Laboratory Hydrogen Ion (pH) SW9045D (SW9045D)								
pH	9.62	0.01	H	pH Units	262845	1	06/22/2018 11:45	BD

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 22-Jun-18

Client:	Sailors Engineering Associates	Client Sample ID:	RO 279717
Project Name	Sandtown	Collection Date:	6/19/2018 12:07:00 PM
Lab ID:	1806J22-003	Matrix:	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260B (SW5030B)								
1,1-Dichloroethene	BRL	0.10		mg/L	262740	20	06/21/2018 15:10	CC
1,2-Dichloroethane	BRL	0.10		mg/L	262740	20	06/21/2018 15:10	CC
2-Butanone	BRL	0.20		mg/L	262740	20	06/21/2018 15:10	CC
Benzene	BRL	0.10		mg/L	262740	20	06/21/2018 15:10	CC
Carbon tetrachloride	BRL	0.10		mg/L	262740	20	06/21/2018 15:10	CC
Chlorobenzene	BRL	0.10		mg/L	262740	20	06/21/2018 15:10	CC
Chloroform	BRL	0.10		mg/L	262740	20	06/21/2018 15:10	CC
Tetrachloroethene	1000	25	*	mg/L	262740	5000	06/22/2018 11:36	CC
Trichloroethene	BRL	0.10		mg/L	262740	20	06/21/2018 15:10	CC
Vinyl chloride	BRL	0.040		mg/L	262740	20	06/21/2018 15:10	CC
Surr: 4-Bromofluorobenzene	77.6	64.3-123		%REC	262740	20	06/21/2018 15:10	CC
Surr: 4-Bromofluorobenzene	76.9	64.3-123		%REC	262740	5000	06/22/2018 11:36	CC
Surr: Dibromofluoromethane	93.9	71.7-127		%REC	262740	20	06/21/2018 15:10	CC
Surr: Dibromofluoromethane	106	71.7-127		%REC	262740	5000	06/22/2018 11:36	CC
Surr: Toluene-d8	90.7	75.1-118		%REC	262740	20	06/21/2018 15:10	CC
Surr: Toluene-d8	96.5	75.1-118		%REC	262740	5000	06/22/2018 11:36	CC
Laboratory Hydrogen Ion (pH) SW9045D (SW9045D)								
pH	7.50	0.01	H	pH Units	262845	1	06/22/2018 11:45	BD

Qualifiers: * Value exceeds maximum contaminant level

E Estimated (value above quantitation range)

BRL Below reporting limit

S Spike Recovery outside limits due to matrix

H Holding times for preparation or analysis exceeded

Narr See case narrative

N Analyte not NELAC certified

NC Not confirmed

B Analyte detected in the associated method blank

< Less than Result value

> Greater than Result value

J Estimated value detected below Reporting Limit



Clear

Save as

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Sailors Engineering Associates**AES Work Order Number: **1802P82**2. Carrier: FedEx UPS USPS Client Courier Other _____

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler Received in good condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	damaged <input type="checkbox"/> leaking <input type="checkbox"/> other <input type="checkbox"/>	
4. Custody seals present on shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5. Custody seals intact on shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6. Temperature blanks present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooling initiated for Recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9. Chain of Custody signed, dated, and timed when relinquished and received?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10. Sampler name and/or signature on COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11. Were all samples received within holding time?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
12. TAT marked on the CCC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	
13. Cooler 1 Temperature 2.1 _____ °C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooler 2 Temperature _____ °C	Cooler 4 Temperature _____ °C
14. Cooler 5 Temperature _____ °C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooler 6 Temperature _____ °C	Cooler 8 Temperature _____ °C
15. Comments: _____					

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
17. Custody seals present on sample containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
18. Custody seals intact on sample containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
19. Do sample container labels match the COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
21. Were all of the samples listed on the COC received?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
24. Were samples received in appropriate containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
26. Were trip blanks submitted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	listed on COC <input type="checkbox"/> not listed on COC <input checked="" type="checkbox"/>	
27. Comments:					

	Yes	No	N/A	Details	Comments
This section only applies to samples where pH can be checked at Sample Receipt.					I certify that I have completed sections 16-27 (dated initials). KR 3/1/18
28. Have containers needing chemical preservation been checked? *	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
29. Containers meet preservation guidelines?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
30. Was pH adjusted at Sample Receipt?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.
I certify that I have completed sections 28-30 (dated initials), Page 7 of 12 KR 3/1/18

Locked

Client: Sailors Engineering Associates
Project Name: Sandtown
Lab Order: 1806J22

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1806J22-001A	RO 274209	6/19/2018 11:46:00AM	Soil	VOLATILES, TCLP Leached	06/20/2018	6/21/2018 9:00:00AM	06/21/2018
1806J22-001C	RO 274209	6/19/2018 11:46:00AM	Soil	Laboratory Hydrogen Ion (pH)	06/21/2018	1:30:00PM	06/22/2018
1806J22-002A	RO 274643	6/19/2018 11:57:00AM	Soil	VOLATILES, TCLP Leached	06/20/2018	6/21/2018 9:00:00AM	06/21/2018
1806J22-002C	RO 274643	6/19/2018 11:57:00AM	Soil	Laboratory Hydrogen Ion (pH)	06/21/2018	1:30:00PM	06/22/2018
1806J22-003A	RO 279717	6/19/2018 12:07:00PM	Soil	VOLATILES, TCLP Leached	06/20/2018	6/21/2018 9:00:00AM	06/21/2018
1806J22-003A	RO 279717	6/19/2018 12:07:00PM	Soil	VOLATILES, TCLP Leached	06/20/2018	6/21/2018 9:00:00AM	06/22/2018
1806J22-003C	RO 279717	6/19/2018 12:07:00PM	Soil	Laboratory Hydrogen Ion (pH)	06/21/2018	1:30:00PM	06/22/2018

Analytical Environmental Services, Inc

Client: Sailors Engineering Associates
Project Name: Sandtown
Workorder: 1806J22

Date: 22-Jun-18

ANALYTICAL QC SUMMARY REPORT

BatchID: 262740

Sample ID:	MB-262740	Client ID:	TestCode: VOLATILES, TCLP	SW1311/8260B	Units: mg/L			Prep Date: 06/20/2018	Run No: 373417		
Sample Type:	MBLK		Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	Analysis Date: 06/20/2018	Seq No: 8296423
			1,1-Dichloroethene	BRL	0.10						
			1,2-Dichloroethane	BRL	0.10						
			2-Butanone	BRL	0.20						
			Benzene	BRL	0.10						
			Carbon tetrachloride	BRL	0.10						
			Chlorobenzene	BRL	0.10						
			Chloroform	BRL	0.10						
			Tetrachloroethene	BRL	0.10						
			Trichloroethene	BRL	0.10						
			Vinyl chloride	BRL	0.040						
			Surr: 4-Bromofluorobenzene	0.7770	0	1.000		77.7	64.3	123	
			Surr: Dibromofluoromethane	1.138	0	1.000		114	71.7	127	
			Surr: Toluene-d8	0.8534	0	1.000		85.3	75.1	118	

Sample ID:	LCS-262740	Client ID:	TestCode: VOLATILES, TCLP	SW1311/8260B	Units: mg/L			Prep Date: 06/20/2018	Run No: 373417		
Sample Type:	LCS		Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	Analysis Date: 06/20/2018	Seq No: 8296240
			1,1-Dichloroethene	0.9758	0.10	1.000		97.6	57.5	135	
			1,2-Dichloroethane	0.8236	0.10	1.000		82.4	66.7	134	
			2-Butanone	1.743	0.20	2.000		87.1	60.7	139	
			Benzene	1.043	0.10	1.000		104	73.2	132	
			Carbon tetrachloride	0.9842	0.10	1.000		98.4	63.5	139	
			Chlorobenzene	0.9188	0.10	1.000		91.9	76.3	129	
			Chloroform	0.8058	0.10	1.000		80.6	64.9	127	
			Tetrachloroethene	1.139	0.10	1.000		114	73.1	135	
			Trichloroethene	1.079	0.10	1.000		108	75.1	132	

Qualifiers:	>	Greater than Result value	<	Less than Result value							
	BRL	Below reporting limit	E	Estimated (value above quantitation range)							
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified							
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix							
			B	Analyte detected in the associated method blank							
			H	Holding times for preparation or analysis exceeded							
			R	RPD outside limits due to matrix							
				Page 9 of 12							

Analytical Environmental Services, Inc.

Project Name	
Client:	Sailors Engineering Associates
Address:	Sandtown
Workorder:	1806122

Date: 22-Jun-18

ANALYTICAL QC SUMMARY REPORT

Analyte	Sample ID:	Client ID:	TestCode:	Units:	Prep Date:	Run No:
	1806F54-001ADUP	VOLATLES, TCLP	SW1311/8260B	mg/L	06/20/2018	373417
	SampleType:	DUP		BatchID:	Analysis Date:	Seq No:
Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit
RPD Ref Val					RPD	Limit Qual

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Root Lim	Reporting Limit		S	Spike Recovery outside limits due to matrix	P	Pa

J Estimated value

Spike Recovery outside limits due to matrix

Page 10 of 12

Page 10 of 12

Analytical Environmental Services, Inc

Date: 22-Jun-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name Sandtown
Workorder: 1806J22

BatchID: 262740

Sample ID: 1806F54-001ADUP	Client ID: TestCode: VOLATILES, TCLP	Sample Type: DUP	Client ID: SW1311/8260B	TestCode: VOLATILES, TCLP	Units: mg/L	BatchID: 262740	Prep Date: 06/20/2018	Analysis Date: 06/20/2018	Run No: 373417	Seq No: 8296427	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	BRL	0.10						0	0	0	30
2-Butanone	BRL	0.20						0	0	0	30
Benzene	BRL	0.10						0	0	0	30
Carbon tetrachloride	BRL	0.10						0	0	0	30
Chlorobenzene	BRL	0.10						0	0	0	30
Chloroform	BRL	0.10						0	0	0	30
Tetrachloroethene	BRL	0.10						0	0	0	30
Trichloroethene	BRL	0.040						0	0	0	30
Vinyl chloride	BRL	0.040						0	0	0	30
Surr: 4-Bromofluorobenzene	0.7180	0	1.000		71.8	64.3	123	0.7008	0	0	
Surr: Dibromofluoromethane	1.111	0	1.000		111	71.7	127	1.182	0	0	
Surr: Toluene-d8	0.8288	0	1.000		82.9	75.1	118	0.8564	0	0	

Qualifiers: > Greater than Result value < Less than Result value E Estimated (value above quantitation range) B Analyte detected in the associated method blank

J Below reporting limit H Holding times for preparation or analysis exceeded

R Estimated value detected below Reporting Limit N Analyte not NELAC certified

S Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

Analytical Environmental Services, Inc

Date: 22-Jun-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name Sandtown
Workorder: 1806J22

BatchID: 262845

Sample ID:	LCS-262845	Client ID:	TestCode:	Laboratory Hydrogen Ion (pH)	SW9045D	Units:	pH Units	Prep Date:	06/21/2018	Run No:	373613
SampleType:	LCS					BatchID:	262845	Analysis Date:	06/22/2018	Seq No:	8301408
Analyte		Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
pH		7.010	0.01	7.000		100	90	110			H

Sample ID:	1806G25-019ADUP	Client ID:	TestCode:	Laboratory Hydrogen Ion (pH)	SW9045D	Units:	pH Units	Prep Date:	06/21/2018	Run No:	373613
SampleType:	DUP					BatchID:	262845	Analysis Date:	06/22/2018	Seq No:	8301417
Analyte		Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit Qual
pH		5.610	0.01						5.570	0.716	10 H

Qualifiers: > Greater than Result value < Less than Result value
BRL Below reporting limit E Estimated (value above quantitation range)
J Estimated value detected below Reporting Limit N Analyte not NELAC certified
Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 05, 2018

Michael Haller
Sailors Engineering Associates
1675 Spectrum Drive
Lawrenceville GA 30043

RE: Sandtown Rd

Dear Michael Haller: Order No: 1806U71

Analytical Environmental Services, Inc. received 1 samples on 6/29/2018 1:30:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/18-06/30/19.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/18-06/30/19 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.

-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Paris Masoudi".

Paris Masoudi
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3080 Presidential Drive Atlanta, GA 30340-3704



Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188



CHAIN OF CUSTODY

Work Order: 100000277

COMPANY: Sailors Eng. Assoc.		ADDRESS: 1675 Spectrum Dr Lawrenceville, Ga		ANALYSIS REQUESTED											
				Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.											
PHONE: 703-963-5922		EMAIL: <i>[Signature]</i>		Number of Containers 1											
SAMPLED BY: Michael Shoot		SIGNATURE: <i>[Signature]</i>		PRESERVATION (see codes)											
#	SAMPLE ID	SAMPLER:		DATE		TIME		GRAB		COMPOSITE		MATRIX (see codes)		REMARKS	
		R0279717		6/29/08		10:57		/		50		<i>[Signature]</i>		1	
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
RELINQUISHED BY: <i>[Signature]</i>		DATE/TIME: 6/29/08		RECEIVED BY: <i>[Signature]</i>		DATE/TIME: 6/29/08		PROJECT INFORMATION		RECEIPT		Turnaround Time (TAT) Request			
1. <i>[Signature]</i>		1. <i>[Signature]</i>		2. <i>[Signature]</i>		3. <i>[Signature]</i>		PROJECT NAME: Snelltown Rd Mrs. G		Total # of Containers 1		Standard 5 Business Days 3			
2. <i>[Signature]</i>		3. <i>[Signature]</i>		PROJECT #: 153-018		SITE ADDRESS: 700 Snelltown Rd Mrs. G		PROJECT #: 153-018		Business Day Rush 3					
3. <i>[Signature]</i>		3. <i>[Signature]</i>		SEND REPORT TO: Mike Haller		INVOICE TO: (IF DIFFERENT FROM ABOVE)		POH #: _____		Same-Day Rush (auth req.) Other					
SPECIAL INSTRUCTIONS/COMMENTS: <i>[Signature]</i>		SHIPMENT METHOD		OUT: / client		VIA: / UPS FedEx		QUOTE #: _____		STATE PROGRAM (if any): Other					
				IN: / US mail courier		VIA: / Greyhound				E-mail? Yes					
				other: _____						Fax? No					
										DATA PACKAGE: I O II O III O IV O					

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water DW = Drinking Water (Blanks) O = Other (specify) Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+H = Sulfuric acid + ice N = Other (specify) NA = None White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc
Date: 5-Jul-18

Client:	Sailors Engineering Associates	Client Sample ID:	R0279717					
Project Name:	Sandtown Rd	Collection Date:	6/29/2018 10:57:00 AM					
Lab ID:	1806U71-001	Matrix:	Soil					
Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILES, TCLP SW1311/8260B (SW5030B)								
1,1-Dichloroethene	BRL	0.10		mg/L	263463	20	07/05/2018 13:20	CC
1,2-Dichloroethane	BRL	0.10		mg/L	263463	20	07/05/2018 13:20	CC
2-Butanone	BRL	0.20		mg/L	263463	20	07/05/2018 13:20	CC
Benzene	BRL	0.10		mg/L	263463	20	07/05/2018 13:20	CC
Carbon tetrachloride	BRL	0.10		mg/L	263463	20	07/05/2018 13:20	CC
Chlorobenzene	BRL	0.10		mg/L	263463	20	07/05/2018 13:20	CC
Chloroform	BRL	0.10		mg/L	263463	20	07/05/2018 13:20	CC
Tetrachloroethene	20	2.5	*	mg/L	263463	500	07/05/2018 13:49	CC
Trichloroethene	BRL	0.10		mg/L	263463	20	07/05/2018 13:20	CC
Vinyl chloride	BRL	0.040		mg/L	263463	20	07/05/2018 13:20	CC
Surr: 4-Bromofluorobenzene	76.2	64.3-123		%REC	263463	500	07/05/2018 13:49	CC
Surr: 4-Bromofluorobenzene	74	64.3-123		%REC	263463	20	07/05/2018 13:20	CC
Surr: Dibromofluoromethane	101	71.7-127		%REC	263463	20	07/05/2018 13:20	CC
Surr: Dibromofluoromethane	93	71.7-127		%REC	263463	500	07/05/2018 13:49	CC
Surr: Toluene-d8	91.7	75.1-118		%REC	263463	20	07/05/2018 13:20	CC
Surr: Toluene-d8	92.7	75.1-118		%REC	263463	500	07/05/2018 13:49	CC

Qualifiers: * Value exceeds maximum contaminant level

BRL Below reporting limit

H Holding times for preparation or analysis exceeded

N Analyte not NELAC certified

B Analyte detected in the associated method blank

> Greater than Result value

E Estimated (value above quantitation range)

S Spike Recovery outside limits due to matrix

Narr See case narrative

NC Not confirmed

< Less than Result value

J Estimated value detected below Reporting Limit

SAMPLE/COOLER RECEIPT CHECKLIST1. Client Name: **Sailors Engineering Associates**AES Work Order Number: **1806U71**2. Carrier: FedEx UPS USPS Client Courier Other

	Yes	No	N/A	Details	Comments
3. Shipping container/cooler received in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	damaged <input type="checkbox"/> leaking <input type="checkbox"/> other <input type="checkbox"/>	
4. Custody seals present on shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5. Custody seals intact on shipping container?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6. Temperature blanks present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7. Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cooling initiated for recently collected samples / ice present <input type="checkbox"/>	
8. Chain of Custody (COC) present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9. Chain of Custody signed, dated, and timed when relinquished and received?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10. Sampler name and/or signature on COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11. Were all samples received within holding time?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
12. TAT marked on the COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. <input type="checkbox"/>	
13. Cooler 1 Temperature <u>4.3</u> °C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooler 2 Temperature <u> </u> °C	Cooler 4 Temperature <u> </u> °C
14. Cooler 5 Temperature <u> </u> °C	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cooler 6 Temperature <u> </u> °C	Cooler 8 Temperature <u> </u> °C
15. Comments: _____					

I certify that I have completed sections 1-15 (dated initials).AJ 6/29/18

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
17. Custody seals present on sample containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
18. Custody seals intact on sample containers?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
19. Do sample container labels match the COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	incomplete info <input type="checkbox"/> illegible <input type="checkbox"/> no label <input type="checkbox"/> other <input type="checkbox"/>	
20. Are analyses requested indicated on the COC?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
21. Were all of the samples listed on the COC received?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	samples received but not listed on COC <input type="checkbox"/> samples listed on COC not received <input type="checkbox"/>	
22. Was the sample collection date/time noted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
24. Were samples received in appropriate containers?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
26. Were trip blanks submitted?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	
27. Comments: _____					

This section only applies to samples where pH can be checked at Sample Receipt.

I certify that I have completed sections 16-27 (dated initials).EMW 6/29/18

	Yes	No	N/A	Details	Comments
28. Have containers needing chemical preservation been checked? *	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
29. Containers meet preservation guidelines?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
30. Was pH adjusted at Sample Receipt?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials).EMW 6/29/18

Analytical Environmental Services, Inc

ANALYTICAL QC SUMMARY REPORT

Date: 5-Jul-18

Client: Sailors Engineering Associates
Project Name: Sandtown Rd
Workorder: 1806U71

ANALYTICAL QC SUMMARY REPORT

BatchID: 263463

Sample ID: MB-263463	Client ID: TestCode: VOLATILES, TCLP	Client ID: SW1311/8260B					Units: mg/L	Prep Date: 07/03/2018	Run No: 374515		
SampleType: MBLK	TestCode: VOLATILES, TCLP	TestCode: SW1311/8260B					BatchID: 263463	Analysis Date: 07/03/2018	Seq No: 8327573		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	BRL	0.10									
1,2-Dichloroethane	BRL	0.10									
2-Butanone	BRL	0.20									
Benzene	BRL	0.10									
Carbon tetrachloride	BRL	0.10									
Chlorobenzene	BRL	0.10									
Chloroform	BRL	0.10									
Tetrachloroethene	BRL	0.10									
Trichloroethene	BRL	0.10									
Vinyl chloride	BRL	0.040									
Surr: 4-Bromofluorobenzene	1.034	0	1.000			103	64.3		123		
Surr: Dibromofluoromethane	1.083	0	1.000			108	71.7		127		
Surr: Toluene-d8	0.9828	0	1.000			98.3	75.1		118		

Sample ID: LCS-263463	Client ID: TestCode: VOLATILES, TCLP	Client ID: SW1311/8260B					Units: mg/L	Prep Date: 07/03/2018	Run No: 374515		
SampleType: LCS	TestCode: VOLATILES, TCLP	TestCode: SW1311/8260B					BatchID: 263463	Analysis Date: 07/04/2018	Seq No: 8327618		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1.246	0.10	1.000			125	57.5		135		
1,2-Dichloroethane	1.138	0.10	1.000			114	66.7		134		
2-Butanone	2.317	0.20	2.000			116	60.7		139		
Benzene	1.156	0.10	1.000			116	73.2		132		
Carbon tetrachloride	1.173	0.10	1.000			117	63.5		139		
Chlorobenzene	1.129	0.10	1.000			113	76.3		129		
Chloroform	1.169	0.10	1.000			117	64.9		127		
Tetrachloroethene	1.063	0.10	1.000			106	73.1		135		
Trichloroethene	1.193	0.10	1.000			119	75.1		132		

Qualifiers: > Greater than Result value
 BRL Below reporting limit
 J Estimated value detected below Reporting Limit
 Rpt Lim Reporting Limit

< Less than Result value

E Estimated (value above quantitation range)
 N Analyte not NELAC certified
 S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
 H Holding times for preparation or analysis exceeded
 R RPD outside limits due to matrix

Analytical Environmental Services, Inc

Date: 5-Jul-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name: Sandtown Rd
Workorder: 1806U71

BatchID: 263463

Sample ID: LCS-263463	Client ID:												
SampleType: LCS	TestCode: VOLATILES, TCLP	SW1311/8260B											
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual		

Vinyl chloride	1.322	0.040	1.000		132	55.3	135						
Surr: 4-Bromofluorobenzene	1.014	0	1.000		101	64.3	123						
Surr: Dibromofluoromethane	1.003	0	1.000		100	71.7	127						
Surr: Toluene-d8	1.043	0	1.000		104	75.1	118						

Sample ID: 1806R44-001AMS	Client ID:												
SampleType: MS	TestCode: VOLATILES, TCLP	SW1311/8260B											
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual		

1,1-Dichloroethene	1.240	0.10	1.000		124	62.2	135						
1,2-Dichloroethane	1.130	0.10	1.000		113	65.1	132						
2-Butanone	2.572	0.20	2.000		129	56.4	142						
Benzene	1.153	0.10	1.000		115	71.7	132						
Carbon tetrachloride	1.161	0.10	1.000		116	66.1	138						
Chlorobenzene	1.133	0.10	1.000		113	72	125						
Chloroform	1.148	0.10	1.000		115	60.8	130						
Tetrachloroethene	1.047	0.10	1.000		105	72.8	137						
Trichloroethene	1.163	0.10	1.000		116	71.5	132						
Vinyl chloride	1.242	0.040	1.000		124	60.3	135						
Surr: 4-Bromofluorobenzene	1.018	0	1.000		102	64.3	123						
Surr: Dibromofluoromethane	1.010	0	1.000		101	71.7	127						
Surr: Toluene-d8	1.044	0	1.000		104	75.1	118						

Sample ID: 1806R44-001ADUP	Client ID:												
SampleType: DUP	TestCode: VOLATILES, TCLP	SW1311/8260B											
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual		

1,1-Dichloroethene	BRL	0.10											
Qualifiers:	>	Greater than Result value		<	Less than Result value								
BRL	Below reporting limit			E	Estimated (value above quantitation range)								
J	Estimated value detected below Reporting Limit			N	Analyte not NELAC certified								
Rpt Lim	Reporting Limit			S	Spike Recovery outside limits due to matrix								

B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix
S Spike Recovery outside limits due to matrix

Analytical Environmental Services, Inc

Date: 5-Jul-18

ANALYTICAL QC SUMMARY REPORT

Client: Sailors Engineering Associates
Project Name: Sandtown Rd
Workorder: 1806U71

BatchID: 263463

Sample ID:	1806R44-001ADUP	Client ID:	TestCode:	VOLATILES, TCLP	SW1311/8260B	Units:	mg/L	Prep Date:	07/03/2018	Run No:	374515	
Sample Type:	DUP					BatchID:	263463	Analysis Date:	07/04/2018	Seq No:	8327582	
Analyte		Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	BRL	0.10							0	0	0	30
2-Butanone	BRL	0.20							0	0	0	30
Benzene	BRL	0.10							0	0	0	30
Carbon tetrachloride	BRL	0.10							0	0	0	30
Chlorobenzene	BRL	0.10							0	0	0	30
Chloroform	BRL	0.10							0	0	0	30
Tetrachloroethene	BRL	0.10							0	0	0	30
Trichloroethene	BRL	0.040							0	0	0	30
Vinyl chloride	BRL	0.040							0	0	0	30
Surr: 4-Bromofluorobenzene	1.017	0	1.000			102	64.3	123	1.025	0	0	
Surr: Dibromofluoromethane	1.053	0	1.000			105	71.7	127	1.048	0	0	
Surr: Toluene-d8	1.016	0	1.000			102	75.1	118	1.023	0	0	

Qualifiers: > Greater than Result value < Less than Result value
BRL Below reporting limit E Estimated (value above quantitation range)
J Estimated value detected below Reporting Limit N Analyte not NELAC certified
Rpt Lim Reporting Limit R Spike Recovery outside limits due to matrix
S Spike Recovery outside limits due to matrix

B Analyte detected in the associated method blank
H Holding times for preparation or analysis exceeded
R RPD outside limits due to matrix

Eagle Point Landfill8880 1st Federal Street
Ball Ground, GA 30520

Wastemaster: KENNY

Ticket #: 120999

Date In/Out:

29-Feb-2015 12:45 pm
1-Mar-2015 1:21 pm

Customer: GATCO

TIME ENTRY AND PAYMENT REC'S

Company: WIN STP PARTNERS, LLC

Cross Weight	Sped. 00 lb
Total Weight	25,280.00 lbs
Net Weight	22,940.00 lbs

Ref:

Vehicle: 2215

INVOICE
RECEIVED

QTY	ITEM DESCRIPTION	RATE	TAX	TOTAL
1x 40 CY TRA	BEFORE			
	TRASH			

Total Amount:
Change due:

623700

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 404-918-3105	4. Waste Tracking Number	
5. Generator's Name and Mailing Address 770 962-5922		YNH Properties, LLC 700 Sandtown Road SW Marietta, GA 30008 Generator's Site Address (if different than mailing address) 1509499				
Generator's Phone: 6. Transporter 1 Company Name Sheppard Trucking		U.S. EPA ID Number				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address Eagle Point Landfill 8880 Old Federal Road Bell Ground, GA 30107		U.S. EPA ID Number				
Facility's Phone:						
9. Waste Shipping Name and Description 1. Non-Regulated Soil Approval # AEP 18020		10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	
		01	DT	18	TN	
2.						
3.						
4.						
13. Special Handling Instructions and Additional Information 5-215						
14. 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.						
Generator's/Offeror's Printed/Typed Name <i>As agent for YNH Prop. Michael Short</i>		Signature <i>Michael Short</i>		Month	Day	Year
15. International Shipments Transporter Signature (for exports only):		<i>2/27/18</i>				
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <i>XMAN. JUAREZ</i> Signature <i>Entia Gony</i> Month Transporter 2 Printed/Typed Name Signature Day Year						
17. Discrepancy 17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
17b. Alternate Facility (or Generator) Facility's Phone:		U.S. EPA ID Number				
17c. Signature of Alternate Facility (or Generator)		<i>K. Moore</i> Month Day Year				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a Printed/Typed Name <i>K. Moore</i> Signature <i>K. Moore</i> Month Day Year						

Eagle Point Landfill280 Old Franklin Road
Eagle Point, OR 97526

Weighted: 4000 LB

Tare # P# 1329203

Date In/Out:

27-Feb-2018 12:27 PM
27-Feb-2018 1:34 PM

Customer: Q15722

TIME ENTRY PROPERTIES

Contact: VEN PROPERTIES, LLC

Gross Weight 40000.00 lb
Tare Weight 25400.00 lb
Net Weight 15560.00 lb
17.90 TN

Ref: 773

Vehicle: 2016

STEWARD

WEIGHT
RECORD

Line	Unit	Description	Rate	Total
1	17.90	TN STUWARD	\$0.00	\$0.00
2		NET WEIGHT		

Charge= \$0.00

GENERATOR	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	5. Generator's Name and Mailing Address 770 962-5922	YNH Properties, LLC 700 Sandtown Road SW Marietta, GA 30008			
	Generator's Phone:	Generator's Site Address (if different than mailing address)			
	6. Transporter 1 Company Name Sheppard Trucking	U.S. EPA ID Number			
	7. Transporter 2 Company Name	U.S. EPA ID Number			
	8. Designated Facility Name and Site Address 770-781-2721	U.S. EPA ID Number			
	Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107				
	Facility's Phone:				
	9. Waste Shipping Name and Description 1. Non-Regulated Soil Approval # AEP 18020	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type	18	TN
01	DT				
2.					
3.					
4.					
13. Special Handling Instructions and Additional Information S-216					
14. 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.					
Generator's/Offeror's Printed/Typed Name As agent for YNH Prop: Michael Short		Signature		Month Day Year 2 27 18	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter Signature (for exports only):					
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Jesús Martínez Blanco Signature Month Day Year 2 27 18					
Transporter 2 Printed/Typed Name Signature Month Day Year					
17. Discrepancy 17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number:					
17b. Alternate Facility (or Generator) U.S. EPA ID Number					
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator) Month Day Year					
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a Printed/Typed Name Signature Month Day Year 1509203					
TRANSPORTER #1					

Eagle Point Landfill8880 Old Federal Road
Box 20000, WA 98527**REPORT****Wastewater Tank - LEICOFFMAN CUT -****Ticket # ET 1509004****Date In Out:**
27-Feb-2013 2:57 pm
27-Feb-2013 4:19 pm**Customer: 01273****TITAN ENERGY PROPERTIES,****Contact: TITAN PROPERTIES, LLC****Gross Weight** 44,560.00 lb
Tare Weight 24,280.00 lb
Net Weight 20,280.00 lb
TR 10.96 TR**Ref:** S216
Vehicle: S216
SHESVARD**INVOICE
RECORD****Qty.** **Unit** **Description** **Rate** **Ext** **Total**
10.96 TR BLOWN AIR
Net Amount _____
ChARGE due: _____

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone 404-918-3105	4. Waste Tracking Number	
5. Generator's Name and Mailing Address 770 962-5922		YNH Properties, LLC 700 Sandtown Road SW Marietta, GA 30008 Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Sheppard Trucking		U.S. EPA ID Number 15091604				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address 770-781-2721		U.S. EPA ID Number Eagle Point Landfill 8880 Old Federal Road Ball Ground, GA 30107				
Facility's Phone:						
9. Waste Shipping Name and Description 1. Non-Regulated Soil Approval # AEP 18020		10. Containers No. 01 Type DT		11. Total Quantity 18 TN	12. Unit Wt./Vol. 1000	
2.						
3.						
4.						
13. Special Handling Instructions and Additional Information 5-216						
14. 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.						
Generator's/Offeror's Printed/Typed Name As agent for YNH Prop.: Michael Shoot		Signature Michael Shoot		Month 12	Day 27	Year 18
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____				
Transporter Signature (for exports only): /						
16. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name X JESUS VASquez Blanco		Signature X Juan Cattell		Month 12	Day 27	Year 18
Transporter 2 Printed/Typed Name						
17. Discrepancy 17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
17b. Alternate Facility (or Generator) Facility's Phone:		Manifest Reference Number: _____ U.S. EPA ID Number				
17c. Signature of Alternate Facility (or Generator)		Month 12 Day 27 Year 18				
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a Printed/Typed Name Km. like		Signature Km. like Month 12 Day 27 Year 18				

**Former Westside Cleaners
Marietta, Cobb County, Georgia
HSI #10927
SEA Job #152-018
Summary of Activities and Professional Hours**

4th Semi-Annual VRP Progress Report - January 1, 2018 through June 30, 2018

Activity	Professional Hours Spent
Client Meetings	4
Semi-Annual Report Preparation	16.5

Georgia Professional Certification Form

"I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances.

The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Michael J Haller P.G. Number 1062

Printed Name and GA PE/PG Number

7/31/2018

Date

