

2ND SEMIANNUAL VRP STATUS REPORT

FORMER SILVERSTEIN'S CLEANERS SITE

HSI NO. 10517

2716 WASHINGTON ROAD, AUGUSTA, RICHMOND COUNTY

Prepared for:

Georgia Environmental Protection Division
Land Protection Branch
Response & Remediation Program
Floyd Towers East, Suite 1054
Atlanta, Georgia 30334

March 1, 2018

Prepared by:

American Environmental & Construction Services, Inc.
1170 Tidwell Road, Suite 103
Alpharetta, Georgia 30004



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PROFESSIONAL GEOLOGIST CERTIFICATION

I certify under penalty of law that this status 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 geologist who is registered with the 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.

Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division.

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.

Name

Carrie L. Williams, P.G.
Professional Geologist
P.G. License No.1780



Date

March 1, 2018

3/1/2018

1.0 INTRODUCTION

American Environmental & Construction Services, Inc. (AECS) has prepared this Voluntary Remediation Program (VRP) Semi-Annual Status Report (Status Report) for the Former Silverstein's Cleaners Site (Site or Property) located at 2716 (f/k/a 2704) Washington Road, Augusta, Richmond County. The Property is currently listed on the Georgia Hazardous Site Inventory (HSI) as Site Number 10517.

This Status Report covers VRP activities performed at the Property from September 1, 2017 – February 28, 2018 (Report Period).

2.0 WORK PERFORMED – SEPTEMBER 1, 2017 –FEBRUARY 28, 2018

The activities currently identified to be performed at the Site under the VRP regulatory framework are outlined in the following documents:

- VIRP dated December 2015;
- VRP Application Update dated May 11, 2016;
- VRP Application Addendum dated November 28, 2016; and
- EPD VIRP approval letter dated March 1, 2017.

The activities performed during the most recent six (6) month period are as follows:

- Updated Type 2 and Type 4 Site-Specific Groundwater Risk Reduction Standards (RRSs) were submitted to EPD on September 26, 2017, and subsequently approved by EPD on October 26, 2017 (**Appendix A**).
- A site-wide groundwater sampling event of the VRP performance monitoring network was completed in January 2018.

2.1 Updated Type 2 and Type 4 Groundwater RRS

Site specific groundwater RRSs previously approved for the Site were recalculated to reflect the use of updated standard Default Exposure Factors as outlined in the United States Environmental Protection Agency (EPA) Office of Solid Waste and Emergency Response (OSWER) Directive 9200.1-120 dated February 6, 2014. The request to use updated Type 2 and Type 4 groundwater RRSs was approved on October 26, 2017.

In September 2017, AECS submitted a request to EPD to approve updated the site-specific groundwater RRSs for the Site. The request was approved in a letter from EPD dated October 26, 2017. The updated Type 2 residential RRS for tetrachloroethene (PCE) was increased from 19 µg/L to 40.6 µg/L and the Type 4 non-residential RRS value increased from 98 µg/L to 217 µg/L. A table summarizing the approved Type 2 and Type 4 groundwater RRS values is found in Appendix A as an attachment to the EPD approval letter.

2.2 Groundwater Performance Monitoring

A site-wide groundwater sampling event of the VRP performance monitoring network was completed in January 2018. Sixteen (16) wells were sampled and analyzed for volatile organic compounds (VOCs) by United States Environmental Protection Division (USEPA) Method SW-8260B. The analytical data from the monitoring events are summarized in an embedded table in **Figure 1**. No COCs were detected above the laboratory reporting limit, except tetrachloroethene (PCE), cis-1,2-Dichloroethene (DCE), and a single detection of trichlorofluoromethane at a concentration of 8.3 µg/L in monitoring well EWK-R. The residential groundwater RRS for trichlorofluoromethane is 5,160 µg/L.

All sentinel (i.e., perimeter) monitoring wells are non-detect for all Site COCs. Monitoring wells located downgradient of the toe of the plume remain non-detect. All monitoring wells meet non-residential Type 4 RRS, except one location (MW-22R – 250 µg/L) which is slightly above the Type 4 RRS value (217 µg/L) but below recent results at this well of 380 µ/L (Feb. 2017), 1200 µ/L (April 2015) and 630 µ/L (Oct. 2014).

The PCE condition in groundwater during the most recent sampling event in January 2018 is shown in **Figure 1** and summarized in **Table 1**. Laboratory reports for the sampling event are provided in **Appendix B**.

3.0 WORK TO BE PERFORMED

A CSR will be prepared and submitted to EPD during the next 6-month period. The CSR will include a fate and transport modeling evaluation and will include a proposed Uniform Environmental Covenant (UEC) for the areas of the Site not meeting residential groundwater RRSs.

4.0 PROFESSIONAL HOURS

EPD requires that a professional engineer or geologist oversee the implementation of the VIRP in accordance with the provisions, purposes, standards and policies of the Georgia Voluntary Remediation Program Act. From September 1, 2017 through February 28, 2018 Ms. Carrie L. Williams, P.G., invoiced 129 hours to this project.

TABLE

Table 1: Silverstein's Cleaners (Former) Site - HSI 10517
Groundwater Analytical Summary (µg/L)
January 2018 Sampling Results

VRP Monitoring Well	Sample Date	PCE	TCE	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride	Trichlorofluoromethane
		µg/L						
W-3-R	1/9/18	<5	<5	<5	<5	<5	<2	<5
MW-8	1/16/18	<5	<5	<5	<5	<5	<2	<5
MW-13-R2	1/11/18	<5	<5	<5	<5	<5	<2	<5
MW-14-R2	1/11/18	<5	<5	<5	<5	<5	<2	<5
MW-18-R	1/10/18	<5	<5	<5	<5	<5	<2	<5
MW-22-R2	1/12/18	250	<5	<5	5.4	<5	<2	<5
MW-25-R	1/12/18	180	<5	<5	16	<5	<2	<5
MW-35	1/12/18	<5	<5	<5	<5	<5	<2	<5
MW-41	1/15/18	<5	<5	<5	<5	<5	<2	<5
MW-42-R	1/11/18	<5	<5	<5	<5	<5	<2	<5
MW-43	1/10/18	<5	<5	<5	<5	<5	<2	<5
MW-44	1/15/18	<5	<5	<5	<5	<5	<2	<5
EW-E-R2	1/12/18	74	<5	<5	<5	<5	<2	<5
EW-K-R	1/11/18	190	<5	<5	<5	<5	<2	8.3
EW-S	1/12/18	120	<5	<5	<5	<5	<2	<5
EW-U	1/16/18	23	<5	<5	<5	<5	<2	<5
Residential RRS (µg/L)		40.6	2.38	285	70	2,230	2.15	32,700
Non-residential RRS (µg/L)		217	13.3	1,330	223	361	2	5,160

Notes:

Shaded cell indicates exceedence of non-residential RRS.

Bold results indicates exceedence of residential RRS

FIGURE

APPENDICES

Richard E. Dunn, Director

Land Protection Branch
2 Martin Luther King, Jr. Drive
Suite 1054, East Tower
Atlanta, Georgia 30334
404-657-8600

October 26, 2017

Via U.S. Mail

And Email: dmeadows@hullbarrett.com

BCRE Investments, LLC
Mr. Tommy Blanchard, Manager
c/o Darren Meadows, Hull Barrett, PC
801 Broad Street, 7th Floor
Augusta, GA 30901

Subject: Updated Type 2 and 4 Groundwater Risk Reduction Standards, dated September 26, 2017
Voluntary Remediation Program (VRP)
Silverstein's Cleaners (HSI 10517)
2716 (f/k/a 2704) Washington Road, Augusta, Richmond County
Tax Parcels 013-0-025-01-0, 019-0-004-00-0, 019-0-024-00-0, and 013-0-026-00-0

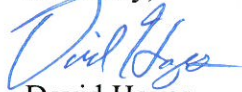
Dear Mr. Blanchard:

The Georgia Environmental Protection Division (EPD) has reviewed the referenced submittal, which was prepared and submitted by American Environmental & Construction Services, Inc. on your behalf for the subject Georgia Voluntary Remediation Program (VRP) Site. The submittal proposed updated Type 2 and 4 Risk Reduction Standards for constituents of concern in groundwater using updated standard Default Exposure Factors as outlined in the United States Environmental Protection Agency Office of Solid Waste and Emergency Response (OSWER) Directive 9200.1-120.

Based on our review, *EPD concurs with the use of the proposed Type 1 through 4 RRS for groundwater as presented on Table 1 of the subject submittal for this site.*

EPD looks forward to receiving the next scheduled submittal for the subject site (a progress report or compliance status report) on or before March 1, 2018. If you have any questions regarding these comments, please contact Ms. Daniels as referenced above.

Sincerely,



David Hayes
Unit Coordinator
Response and Remediation Program

c: Rodger Daniel, AECS (via email: rcd@amenv.com)
Carrie Williams Welty, AECS (via email: clwilli@gmail.com)

File: 260-0151 (VRP)

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AECS

American Environmental & Construction Services, Inc.
1170 Tidwell Road
Alpharetta, Georgia 30004



September 26, 2017

Ms. Carolyn Daniels, P.G.
Georgia Environmental Protection Division
Response and Remediation Program
Floyd Towers East, Suite #1054
2 Martin Luther King Jr. Drive, S.E.
Atlanta, Georgia 30334-9000

Re: Updated Type 2 and Type 4 Groundwater Risk Reduction Standards
Silverstein Dry Cleaners VRP Site, HSI No. 10517

Dear Ms. Daniels,

Based on recent correspondence with the Georgia Environmental Protection Division (EPD) Risk Assessment Program Manager (Ms. Shanna Alexander), it is our understanding that EPD will consider updated Type 2 and Type 4 groundwater RRS for the Site that have been recalculated to reflect the use of updated standard Default Exposure Factors as outlined in the United States Environmental Protection Agency (EPA) Office of Solid Waste and Emergency Response (OSWER) Directive 9200.1-120 dated February 6, 2014. The groundwater values provided in this letter are intended to supersede and replace the groundwater RRS values presented in Voluntary Investigation and Remediation Plan (VIRP) for the Site dated December 2015, as amended November 28, 2016 and approved on March 1, 2016.

As suggested by Ms. Alexander, the groundwater RRS values provided in this submittal were calculated using EPA's web-based Regional Screening Level (RSL) calculator. A table summarizing the Type 1 through Type 4 RRS is provided in **Table 1**. The supporting "output" data files generated by the RSL calculator are provided in **Appendix A**.

If you have any questions regarding the updated groundwater RRS, please do not hesitate to call me at 404.803.2093 or by e-mail at clwilli@gmail.com.

Sincerely,

Carrie Williams

Carrie L. Williams, P.G.

Enclosures:

Table 1. Updated Groundwater Risk Reduction Standards

Appendix A. Residential and Non-Residential RSL Calculator Output

Table 1.
Updated Groundwater Risk Reduction Standards
(Update of Standard Default Exposure Parameters - OSWER Directive 9200.1-120)
Silverstein's Cleaner Site - HSI No. 10517
VRP Program - September 26, 2017

REGULATED SUBSTANCE	July 2017 Maximum Concentration ⁽¹⁾	RESIDENTIAL		NON-RESIDENTIAL	
		Type 1 (Default)	Type 2 (Site-specific)	Type 3 (Default)	Type 4 (Site-specific)
		µg/L (ppb)			
Acetone	<PQL	4,000	14,100	4,000	75,600
Bromoform	<PQL	80	32.9	80	144
Bromomethane	<PQL	10	7.55	10	34.5
Chloroform	<PQL	80	2.21	80	9.66
Chloromethane	<PQL	3	188	3	788
Dichloroethylene, 1,1-	<PQL	7	285	7	1,330
Dichloroethylene, 1,2-cis-	11	70	36.1	70	223
Dichloroethylene, 1,2-trans-	<PQL	100	361	100	2,230
Methyl Ethyl Ketone	<PQL	2,000	5,570	2,000	26,900
Tetrachloroethylene (PCE)	510	5	40.6	5	217
Trichloroethylene (TCE)	7.4	5	2.83	5	13.3
Trichlorofluoromethane	<PQL	2,000	5,160	2,000	32,700
Vinyl Chloride	<PQL	2	0.188	2	2.15

Notes:

Target Risk Level - 1E-05

Target Hazard Quotient - 1

Standard default exposure parameters updated in accordance with OSWER Directive 9200.1-120 (EPA, 2014)

⁽¹⁾ - Maximum concentration detected in VRP Performance monitoring wells measured in July 2017.



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

January 24, 2018

Rodger Daniel
American Environmental & Construction Services Inc

1170 Tidwell Rd
Alpharetta GA 30004

RE: Silverstein

Dear Rodger Daniel:

Order No: 1801C24

Analytical Environmental Services, Inc. received 12 samples on 1/16/2018 10:40:00 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,

Ioana Pacurar
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

[illegible]

Analytical Environmental Services, Inc
Date: 24-Jan-18

Client: American Environmental & Construction Services Inc
Project Name: Silverstein
Lab ID: 1801C24-001

Client Sample ID: EW-K-R
Collection Date: 1/11/2018 9:16:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
2-Butanone	BRL	50		ug/L	254571	1	01/22/2018 21:31	NP
2-Hexanone	BRL	10		ug/L	254571	1	01/22/2018 21:31	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254571	1	01/22/2018 21:31	NP
Acetone	BRL	50		ug/L	254571	1	01/22/2018 21:31	NP
Benzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Bromodichloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Bromoform	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Bromomethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Carbon disulfide	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Carbon tetrachloride	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Chlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Chloroethane	BRL	10		ug/L	254571	1	01/22/2018 21:31	NP
Chloroform	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Chloromethane	BRL	3.0		ug/L	254571	1	01/22/2018 21:31	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Cyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Dibromochloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Dichlorodifluoromethane	BRL	10		ug/L	254571	1	01/22/2018 21:31	NP
Ethylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Freon-113	BRL	10		ug/L	254571	1	01/22/2018 21:31	NP
Isopropylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
m,p-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Methyl acetate	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Methylcyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Methylene chloride	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
o-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	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: 24-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	EW-K-R
Project Name:	Silverstein	Collection Date:	1/11/2018 9:16:00 AM
Lab ID:	1801C24-001	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Tetrachloroethene	190	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Toluene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Trichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Trichlorofluoromethane	8.3	5.0		ug/L	254571	1	01/22/2018 21:31	NP
Vinyl chloride	BRL	2.0		ug/L	254571	1	01/22/2018 21:31	NP
Surr: 4-Bromofluorobenzene	96.9	68-127		%REC	254571	1	01/22/2018 21:31	NP
Surr: Dibromofluoromethane	104	84.4-122		%REC	254571	1	01/22/2018 21:31	NP
Surr: Toluene-d8	106	80.1-116		%REC	254571	1	01/22/2018 21:31	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: 24-Jan-18

Client: American Environmental & Construction Services Inc	Client Sample ID: MW-42R
Project Name: Silverstein	Collection Date: 1/11/2018 12:58:00 PM
Lab ID: 1801C24-002	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
2-Butanone	BRL	50		ug/L	254571	1	01/22/2018 21:55	NP
2-Hexanone	BRL	10		ug/L	254571	1	01/22/2018 21:55	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254571	1	01/22/2018 21:55	NP
Acetone	BRL	50		ug/L	254571	1	01/22/2018 21:55	NP
Benzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Bromodichloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Bromoform	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Bromomethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Carbon disulfide	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Carbon tetrachloride	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Chlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Chloroethane	BRL	10		ug/L	254571	1	01/22/2018 21:55	NP
Chloroform	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Chloromethane	BRL	3.0		ug/L	254571	1	01/22/2018 21:55	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Cyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Dibromochloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Dichlorodifluoromethane	BRL	10		ug/L	254571	1	01/22/2018 21:55	NP
Ethylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Freon-113	BRL	10		ug/L	254571	1	01/22/2018 21:55	NP
Isopropylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
m,p-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Methyl acetate	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Methylcyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Methylene chloride	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
o-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	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: 24-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	MW-42R
Project Name:	Silverstein	Collection Date:	1/11/2018 12:58:00 PM
Lab ID:	1801C24-002	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Tetrachloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Toluene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Trichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Trichlorofluoromethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:55	NP
Vinyl chloride	BRL	2.0		ug/L	254571	1	01/22/2018 21:55	NP
Surr: 4-Bromofluorobenzene	98.5	68-127		%REC	254571	1	01/22/2018 21:55	NP
Surr: Dibromofluoromethane	105	84.4-122		%REC	254571	1	01/22/2018 21:55	NP
Surr: Toluene-d8	106	80.1-116		%REC	254571	1	01/22/2018 21:55	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: 24-Jan-18

Client: American Environmental & Construction Services Inc
Project Name: Silverstein
Lab ID: 1801C24-003

Client Sample ID: BDS-1
Collection Date: 1/11/2018
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
2-Butanone	BRL	50		ug/L	254571	1	01/22/2018 22:18	NP
2-Hexanone	BRL	10		ug/L	254571	1	01/22/2018 22:18	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254571	1	01/22/2018 22:18	NP
Acetone	BRL	50		ug/L	254571	1	01/22/2018 22:18	NP
Benzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Bromodichloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Bromoform	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Bromomethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Carbon disulfide	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Carbon tetrachloride	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Chlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Chloroethane	BRL	10		ug/L	254571	1	01/22/2018 22:18	NP
Chloroform	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Chloromethane	BRL	3.0		ug/L	254571	1	01/22/2018 22:18	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Cyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Dibromochloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Dichlorodifluoromethane	BRL	10		ug/L	254571	1	01/22/2018 22:18	NP
Ethylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Freon-113	BRL	10		ug/L	254571	1	01/22/2018 22:18	NP
Isopropylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
m,p-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Methyl acetate	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Methylcyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Methylene chloride	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
o-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	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: 24-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	BDS-1
Project Name:	Silverstein	Collection Date:	1/11/2018
Lab ID:	1801C24-003	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Tetrachloroethene	180	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Toluene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Trichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Trichlorofluoromethane	18	5.0		ug/L	254571	1	01/22/2018 22:18	NP
Vinyl chloride	BRL	2.0		ug/L	254571	1	01/22/2018 22:18	NP
Surr: 4-Bromofluorobenzene	97.4	68-127		%REC	254571	1	01/22/2018 22:18	NP
Surr: Dibromofluoromethane	103	84.4-122		%REC	254571	1	01/22/2018 22:18	NP
Surr: Toluene-d8	104	80.1-116		%REC	254571	1	01/22/2018 22:18	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: 24-Jan-18

Client: American Environmental & Construction Services Inc	Client Sample ID: MW-13-R2
Project Name: Silverstein	Collection Date: 1/11/2018 3:02:00 PM
Lab ID: 1801C24-004	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
2-Butanone	BRL	50		ug/L	254571	1	01/22/2018 22:42	NP
2-Hexanone	BRL	10		ug/L	254571	1	01/22/2018 22:42	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254571	1	01/22/2018 22:42	NP
Acetone	BRL	50		ug/L	254571	1	01/22/2018 22:42	NP
Benzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Bromodichloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Bromoform	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Bromomethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Carbon disulfide	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Carbon tetrachloride	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Chlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Chloroethane	BRL	10		ug/L	254571	1	01/22/2018 22:42	NP
Chloroform	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Chloromethane	BRL	3.0		ug/L	254571	1	01/22/2018 22:42	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Cyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Dibromochloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Dichlorodifluoromethane	BRL	10		ug/L	254571	1	01/22/2018 22:42	NP
Ethylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Freon-113	BRL	10		ug/L	254571	1	01/22/2018 22:42	NP
Isopropylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
m,p-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Methyl acetate	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Methylcyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Methylene chloride	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
o-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	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: 24-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	MW-13-R2
Project Name:	Silverstein	Collection Date:	1/11/2018 3:02:00 PM
Lab ID:	1801C24-004	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Tetrachloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Toluene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Trichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Trichlorofluoromethane	BRL	5.0		ug/L	254571	1	01/22/2018 22:42	NP
Vinyl chloride	BRL	2.0		ug/L	254571	1	01/22/2018 22:42	NP
Surr: 4-Bromofluorobenzene	91.8	68-127		%REC	254571	1	01/22/2018 22:42	NP
Surr: Dibromofluoromethane	105	84.4-122		%REC	254571	1	01/22/2018 22:42	NP
Surr: Toluene-d8	105	80.1-116		%REC	254571	1	01/22/2018 22:42	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: 24-Jan-18

Client: American Environmental & Construction Services Inc	Client Sample ID: MW-14-R2
Project Name: Silverstein	Collection Date: 1/11/2018 4:40:00 PM
Lab ID: 1801C24-005	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
2-Butanone	BRL	50		ug/L	254571	1	01/22/2018 23:06	NP
2-Hexanone	BRL	10		ug/L	254571	1	01/22/2018 23:06	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254571	1	01/22/2018 23:06	NP
Acetone	BRL	50		ug/L	254571	1	01/22/2018 23:06	NP
Benzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Bromodichloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Bromoform	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Bromomethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Carbon disulfide	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Carbon tetrachloride	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Chlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Chloroethane	BRL	10		ug/L	254571	1	01/22/2018 23:06	NP
Chloroform	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Chloromethane	BRL	3.0		ug/L	254571	1	01/22/2018 23:06	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Cyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Dibromochloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Dichlorodifluoromethane	BRL	10		ug/L	254571	1	01/22/2018 23:06	NP
Ethylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Freon-113	BRL	10		ug/L	254571	1	01/22/2018 23:06	NP
Isopropylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
m,p-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Methyl acetate	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Methylcyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Methylene chloride	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
o-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	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: 24-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	MW-14-R2
Project Name:	Silverstein	Collection Date:	1/11/2018 4:40:00 PM
Lab ID:	1801C24-005	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Tetrachloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Toluene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Trichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Trichlorofluoromethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:06	NP
Vinyl chloride	BRL	2.0		ug/L	254571	1	01/22/2018 23:06	NP
Surr: 4-Bromofluorobenzene	97.7	68-127		%REC	254571	1	01/22/2018 23:06	NP
Surr: Dibromofluoromethane	105	84.4-122		%REC	254571	1	01/22/2018 23:06	NP
Surr: Toluene-d8	106	80.1-116		%REC	254571	1	01/22/2018 23:06	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: 24-Jan-18

Client: American Environmental & Construction Services Inc	Client Sample ID: EQUIP BLANK
Project Name: Silverstein	Collection Date: 1/11/2018 5:10:00 PM
Lab ID: 1801C24-006	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
2-Butanone	BRL	50		ug/L	254571	1	01/22/2018 20:44	NP
2-Hexanone	BRL	10		ug/L	254571	1	01/22/2018 20:44	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254571	1	01/22/2018 20:44	NP
Acetone	BRL	50		ug/L	254571	1	01/22/2018 20:44	NP
Benzene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Bromodichloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Bromoform	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Bromomethane	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Carbon disulfide	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Carbon tetrachloride	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Chlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Chloroethane	BRL	10		ug/L	254571	1	01/22/2018 20:44	NP
Chloroform	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Chloromethane	BRL	3.0		ug/L	254571	1	01/22/2018 20:44	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Cyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Dibromochloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Dichlorodifluoromethane	BRL	10		ug/L	254571	1	01/22/2018 20:44	NP
Ethylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Freon-113	BRL	10		ug/L	254571	1	01/22/2018 20:44	NP
Isopropylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
m,p-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Methyl acetate	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Methylcyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Methylene chloride	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
o-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	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: 24-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	EQUIP BLANK
Project Name:	Silverstein	Collection Date:	1/11/2018 5:10:00 PM
Lab ID:	1801C24-006	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Tetrachloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Toluene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Trichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Trichlorofluoromethane	BRL	5.0		ug/L	254571	1	01/22/2018 20:44	NP
Vinyl chloride	BRL	2.0		ug/L	254571	1	01/22/2018 20:44	NP
Surr: 4-Bromofluorobenzene	97.5	68-127		%REC	254571	1	01/22/2018 20:44	NP
Surr: Dibromofluoromethane	103	84.4-122		%REC	254571	1	01/22/2018 20:44	NP
Surr: Toluene-d8	104	80.1-116		%REC	254571	1	01/22/2018 20:44	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: 24-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	MW-22-R2
Project Name:	Silverstein	Collection Date:	1/12/2018 9:09:00 AM
Lab ID:	1801C24-007	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
2-Butanone	BRL	50		ug/L	254571	1	01/22/2018 23:29	NP
2-Hexanone	BRL	10		ug/L	254571	1	01/22/2018 23:29	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254571	1	01/22/2018 23:29	NP
Acetone	BRL	50		ug/L	254571	1	01/22/2018 23:29	NP
Benzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Bromodichloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Bromoform	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Bromomethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Carbon disulfide	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Carbon tetrachloride	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Chlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Chloroethane	BRL	10		ug/L	254571	1	01/22/2018 23:29	NP
Chloroform	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Chloromethane	BRL	3.0		ug/L	254571	1	01/22/2018 23:29	NP
cis-1,2-Dichloroethene	5.4	5.0		ug/L	254571	1	01/22/2018 23:29	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Cyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Dibromochloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Dichlorodifluoromethane	BRL	10		ug/L	254571	1	01/22/2018 23:29	NP
Ethylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Freon-113	BRL	10		ug/L	254571	1	01/22/2018 23:29	NP
Isopropylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
m,p-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Methyl acetate	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Methylcyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Methylene chloride	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
o-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	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: 24-Jan-18

Client: American Environmental & Construction Services Inc	Client Sample ID: MW-22-R2
Project Name: Silverstein	Collection Date: 1/12/2018 9:09:00 AM
Lab ID: 1801C24-007	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Tetrachloroethene	250	50		ug/L	254571	10	01/22/2018 23:52	NP
Toluene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Trichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Trichlorofluoromethane	BRL	5.0		ug/L	254571	1	01/22/2018 23:29	NP
Vinyl chloride	BRL	2.0		ug/L	254571	1	01/22/2018 23:29	NP
Surr: 4-Bromofluorobenzene	91.7	68-127		%REC	254571	10	01/22/2018 23:52	NP
Surr: 4-Bromofluorobenzene	96.2	68-127		%REC	254571	1	01/22/2018 23:29	NP
Surr: Dibromofluoromethane	106	84.4-122		%REC	254571	1	01/22/2018 23:29	NP
Surr: Dibromofluoromethane	109	84.4-122		%REC	254571	10	01/22/2018 23:52	NP
Surr: Toluene-d8	106	80.1-116		%REC	254571	1	01/22/2018 23:29	NP
Surr: Toluene-d8	107	80.1-116		%REC	254571	10	01/22/2018 23:52	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: 24-Jan-18

Client: American Environmental & Construction Services Inc	Client Sample ID: EW-E-R2
Project Name: Silverstein	Collection Date: 1/12/2018 10:49:00 AM
Lab ID: 1801C24-008	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
2-Butanone	BRL	50		ug/L	254571	1	01/23/2018 00:15	NP
2-Hexanone	BRL	10		ug/L	254571	1	01/23/2018 00:15	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254571	1	01/23/2018 00:15	NP
Acetone	BRL	50		ug/L	254571	1	01/23/2018 00:15	NP
Benzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Bromodichloromethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Bromoform	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Bromomethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Carbon disulfide	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Carbon tetrachloride	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Chlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Chloroethane	BRL	10		ug/L	254571	1	01/23/2018 00:15	NP
Chloroform	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Chloromethane	BRL	3.0		ug/L	254571	1	01/23/2018 00:15	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Cyclohexane	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Dibromochloromethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Dichlorodifluoromethane	BRL	10		ug/L	254571	1	01/23/2018 00:15	NP
Ethylbenzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Freon-113	BRL	10		ug/L	254571	1	01/23/2018 00:15	NP
Isopropylbenzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
m,p-Xylene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Methyl acetate	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Methylcyclohexane	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Methylene chloride	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
o-Xylene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	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: 24-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	EW-E-R2
Project Name:	Silverstein	Collection Date:	1/12/2018 10:49:00 AM
Lab ID:	1801C24-008	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Tetrachloroethene	74	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Toluene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Trichloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Trichlorofluoromethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:15	NP
Vinyl chloride	BRL	2.0		ug/L	254571	1	01/23/2018 00:15	NP
Surr: 4-Bromofluorobenzene	93.9	68-127		%REC	254571	1	01/23/2018 00:15	NP
Surr: Dibromofluoromethane	109	84.4-122		%REC	254571	1	01/23/2018 00:15	NP
Surr: Toluene-d8	107	80.1-116		%REC	254571	1	01/23/2018 00:15	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: 24-Jan-18

Client: American Environmental & Construction Services Inc	Client Sample ID: EW-S
Project Name: Silverstein	Collection Date: 1/12/2018 1:10:00 PM
Lab ID: 1801C24-009	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
2-Butanone	BRL	50		ug/L	254571	1	01/23/2018 00:39	NP
2-Hexanone	BRL	10		ug/L	254571	1	01/23/2018 00:39	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254571	1	01/23/2018 00:39	NP
Acetone	BRL	50		ug/L	254571	1	01/23/2018 00:39	NP
Benzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Bromodichloromethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Bromoform	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Bromomethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Carbon disulfide	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Carbon tetrachloride	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Chlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Chloroethane	BRL	10		ug/L	254571	1	01/23/2018 00:39	NP
Chloroform	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Chloromethane	BRL	3.0		ug/L	254571	1	01/23/2018 00:39	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Cyclohexane	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Dibromochloromethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Dichlorodifluoromethane	BRL	10		ug/L	254571	1	01/23/2018 00:39	NP
Ethylbenzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Freon-113	BRL	10		ug/L	254571	1	01/23/2018 00:39	NP
Isopropylbenzene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
m,p-Xylene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Methyl acetate	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Methylcyclohexane	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Methylene chloride	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
o-Xylene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	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: 24-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	EW-S
Project Name:	Silverstein	Collection Date:	1/12/2018 1:10:00 PM
Lab ID:	1801C24-009	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Tetrachloroethene	120	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Toluene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Trichloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Trichlorofluoromethane	BRL	5.0		ug/L	254571	1	01/23/2018 00:39	NP
Vinyl chloride	BRL	2.0		ug/L	254571	1	01/23/2018 00:39	NP
Surr: 4-Bromofluorobenzene	92.9	68-127		%REC	254571	1	01/23/2018 00:39	NP
Surr: Dibromofluoromethane	108	84.4-122		%REC	254571	1	01/23/2018 00:39	NP
Surr: Toluene-d8	108	80.1-116		%REC	254571	1	01/23/2018 00:39	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: 24-Jan-18

Client: American Environmental & Construction Services Inc	Client Sample ID: MW-25R
Project Name: Silverstein	Collection Date: 1/12/2018 3:10:00 PM
Lab ID: 1801C24-010	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
2-Butanone	BRL	50		ug/L	254571	1	01/23/2018 01:02	NP
2-Hexanone	BRL	10		ug/L	254571	1	01/23/2018 01:02	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254571	1	01/23/2018 01:02	NP
Acetone	BRL	50		ug/L	254571	1	01/23/2018 01:02	NP
Benzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Bromodichloromethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Bromoform	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Bromomethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Carbon disulfide	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Carbon tetrachloride	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Chlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Chloroethane	BRL	10		ug/L	254571	1	01/23/2018 01:02	NP
Chloroform	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Chloromethane	BRL	3.0		ug/L	254571	1	01/23/2018 01:02	NP
cis-1,2-Dichloroethene	16	5.0		ug/L	254571	1	01/23/2018 01:02	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Cyclohexane	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Dibromochloromethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Dichlorodifluoromethane	BRL	10		ug/L	254571	1	01/23/2018 01:02	NP
Ethylbenzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Freon-113	BRL	10		ug/L	254571	1	01/23/2018 01:02	NP
Isopropylbenzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
m,p-Xylene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Methyl acetate	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Methylcyclohexane	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Methylene chloride	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
o-Xylene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	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: 24-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	MW-25R
Project Name:	Silverstein	Collection Date:	1/12/2018 3:10:00 PM
Lab ID:	1801C24-010	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Tetrachloroethene	180	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Toluene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Trichloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Trichlorofluoromethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:02	NP
Vinyl chloride	BRL	2.0		ug/L	254571	1	01/23/2018 01:02	NP
Surr: 4-Bromofluorobenzene	96	68-127		%REC	254571	1	01/23/2018 01:02	NP
Surr: Dibromofluoromethane	109	84.4-122		%REC	254571	1	01/23/2018 01:02	NP
Surr: Toluene-d8	107	80.1-116		%REC	254571	1	01/23/2018 01:02	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: 24-Jan-18

Client: American Environmental & Construction Services Inc	Client Sample ID: MW-35
Project Name: Silverstein	Collection Date: 1/12/2018 4:12:00 PM
Lab ID: 1801C24-011	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
2-Butanone	BRL	50		ug/L	254571	1	01/23/2018 01:49	NP
2-Hexanone	BRL	10		ug/L	254571	1	01/23/2018 01:49	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254571	1	01/23/2018 01:49	NP
Acetone	BRL	50		ug/L	254571	1	01/23/2018 01:49	NP
Benzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Bromodichloromethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Bromoform	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Bromomethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Carbon disulfide	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Carbon tetrachloride	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Chlorobenzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Chloroethane	BRL	10		ug/L	254571	1	01/23/2018 01:49	NP
Chloroform	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Chloromethane	BRL	3.0		ug/L	254571	1	01/23/2018 01:49	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Cyclohexane	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Dibromochloromethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Dichlorodifluoromethane	BRL	10		ug/L	254571	1	01/23/2018 01:49	NP
Ethylbenzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Freon-113	BRL	10		ug/L	254571	1	01/23/2018 01:49	NP
Isopropylbenzene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
m,p-Xylene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Methyl acetate	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Methylcyclohexane	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Methylene chloride	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
o-Xylene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	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: 24-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	MW-35
Project Name:	Silverstein	Collection Date:	1/12/2018 4:12:00 PM
Lab ID:	1801C24-011	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Tetrachloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Toluene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Trichloroethene	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Trichlorofluoromethane	BRL	5.0		ug/L	254571	1	01/23/2018 01:49	NP
Vinyl chloride	BRL	2.0		ug/L	254571	1	01/23/2018 01:49	NP
Surr: 4-Bromofluorobenzene	91.5	68-127		%REC	254571	1	01/23/2018 01:49	NP
Surr: Dibromofluoromethane	106	84.4-122		%REC	254571	1	01/23/2018 01:49	NP
Surr: Toluene-d8	107	80.1-116		%REC	254571	1	01/23/2018 01:49	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: 24-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	TRIP BLANK
Project Name:	Silverstein	Collection Date:	1/12/2018
Lab ID:	1801C24-012	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
2-Butanone	BRL	50		ug/L	254571	1	01/22/2018 21:07	NP
2-Hexanone	BRL	10		ug/L	254571	1	01/22/2018 21:07	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254571	1	01/22/2018 21:07	NP
Acetone	BRL	50		ug/L	254571	1	01/22/2018 21:07	NP
Benzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Bromodichloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Bromoform	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Bromomethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Carbon disulfide	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Carbon tetrachloride	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Chlorobenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Chloroethane	BRL	10		ug/L	254571	1	01/22/2018 21:07	NP
Chloroform	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Chloromethane	BRL	3.0		ug/L	254571	1	01/22/2018 21:07	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Cyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Dibromochloromethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Dichlorodifluoromethane	BRL	10		ug/L	254571	1	01/22/2018 21:07	NP
Ethylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Freon-113	BRL	10		ug/L	254571	1	01/22/2018 21:07	NP
Isopropylbenzene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
m,p-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Methyl acetate	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Methylcyclohexane	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Methylene chloride	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
o-Xylene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	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: 24-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	TRIP BLANK
Project Name:	Silverstein	Collection Date:	1/12/2018
Lab ID:	1801C24-012	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Tetrachloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Toluene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Trichloroethene	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Trichlorofluoromethane	BRL	5.0		ug/L	254571	1	01/22/2018 21:07	NP
Vinyl chloride	BRL	2.0		ug/L	254571	1	01/22/2018 21:07	NP
Surr: 4-Bromofluorobenzene	97.7	68-127		%REC	254571	1	01/22/2018 21:07	NP
Surr: Dibromofluoromethane	103	84.4-122		%REC	254571	1	01/22/2018 21:07	NP
Surr: Toluene-d8	104	80.1-116		%REC	254571	1	01/22/2018 21:07	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

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: EW-K-R Lab ID: 1801C24-001 Collection Date: 1/11/2018 9:16:00 AM Matrix: Groundwater							
TCL VOLATILE ORGANICS SW8260B (SW5030B)							
Tetrachloroethene	190		0.46	5.0	ug/L	254571	1
Trichlorofluoromethane	8.3		0.18	5.0	ug/L	254571	1
Client Sample ID: BDS-1 Lab ID: 1801C24-003 Collection Date: 1/11/2018 Matrix: Groundwater							
TCL VOLATILE ORGANICS SW8260B (SW5030B)							
Tetrachloroethene	180		0.46	5.0	ug/L	254571	1
Trichlorofluoromethane	18		0.18	5.0	ug/L	254571	1
Client Sample ID: MW-22-R2 Lab ID: 1801C24-007 Collection Date: 1/12/2018 9:09:00 AM Matrix: Groundwater							
TCL VOLATILE ORGANICS SW8260B (SW5030B)							
cis-1,2-Dichloroethene	5.4		0.28	5.0	ug/L	254571	1
Tetrachloroethene	250		4.6	50	ug/L	254571	10
Client Sample ID: EW-E-R2 Lab ID: 1801C24-008 Collection Date: 1/12/2018 10:49:00 AM Matrix: Groundwater							
TCL VOLATILE ORGANICS SW8260B (SW5030B)							
Tetrachloroethene	74		0.46	5.0	ug/L	254571	1
Client Sample ID: EW-S Lab ID: 1801C24-009 Collection Date: 1/12/2018 1:10:00 PM Matrix: Groundwater							
TCL VOLATILE ORGANICS SW8260B (SW5030B)							
Tetrachloroethene	120		0.46	5.0	ug/L	254571	1
Client Sample ID: MW-25R Lab ID: 1801C24-010 Collection Date: 1/12/2018 3:10:00 PM Matrix: Groundwater							
TCL VOLATILE ORGANICS SW8260B (SW5030B)							
cis-1,2-Dichloroethene	16		0.28	5.0	ug/L	254571	1
Tetrachloroethene	180		0.46	5.0	ug/L	254571	1

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 CHECKLIST

1. Client Name: _____

AES Work Order Number: _____

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ☐ Courier ☐ Other _____

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

13. Cooler 1 Temperature _____ °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C
 Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). _____

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?					
17. Custody seals present on sample containers?					
18. Custody seals intact on sample containers?					
19. Do sample container labels match the COC?				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?					
21. Were all of the samples listed on the COC received?				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?					
23. Did we receive sufficient sample volume for indicated analyses?					
24. Were samples received in appropriate containers?					
25. Were VOA samples received without headspace (< 1/4" bubble)?					
26. Were trip blanks submitted?				listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). _____

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

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

Client: American Environmental & Construction Services Inc
Project Name: Silverstein
Workorder: 1801C24

ANALYTICAL QC SUMMARY REPORT**BatchID: 254571**

Sample ID: MB-254571	Client ID:					Units: ug/L	Prep Date: 01/22/2018	Run No: 361423			
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 254571	Analysis Date: 01/22/2018	Seq No: 7980767			
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	5.0
1,1,2,2-Tetrachloroethane	BRL	5.0
1,1,2-Trichloroethane	BRL	5.0
1,1-Dichloroethane	BRL	5.0
1,1-Dichloroethene	BRL	5.0
1,2,4-Trichlorobenzene	BRL	5.0
1,2-Dibromo-3-chloropropane	BRL	5.0
1,2-Dibromoethane	BRL	5.0
1,2-Dichlorobenzene	BRL	5.0
1,2-Dichloroethane	BRL	5.0
1,2-Dichloropropane	BRL	5.0
1,3-Dichlorobenzene	BRL	5.0
1,4-Dichlorobenzene	BRL	5.0
2-Butanone	BRL	50
2-Hexanone	BRL	10
4-Methyl-2-pentanone	BRL	10
Acetone	BRL	50
Benzene	BRL	5.0
Bromodichloromethane	BRL	5.0
Bromoform	BRL	5.0
Bromomethane	BRL	5.0
Carbon disulfide	BRL	5.0
Carbon tetrachloride	BRL	5.0
Chlorobenzene	BRL	5.0
Chloroethane	BRL	10
Chloroform	BRL	5.0
Chloromethane	BRL	10

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		

Client: American Environmental & Construction Services Inc
Project Name: Silverstein
Workorder: 1801C24

ANALYTICAL QC SUMMARY REPORT

BatchID: 254571

Sample ID: MB-254571	Client ID:					Units: ug/L	Prep Date: 01/22/2018		Run No: 361423		
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 254571	Analysis Date: 01/22/2018		Seq No: 7980767		
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	49.24	0	50.00		98.5	68	127				
Surr: Dibromofluoromethane	53.06	0	50.00		106	84.4	122				
Surr: Toluene-d8	52.80	0	50.00		106	80.1	116				

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		

Client: American Environmental & Construction Services Inc
Project Name: Silverstein
Workorder: 1801C24

ANALYTICAL QC SUMMARY REPORT**BatchID: 254571**

Sample ID: LCS-254571	Client ID:					Units: ug/L	Prep Date: 01/22/2018	Run No: 361423			
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 254571	Analysis Date: 01/22/2018	Seq No: 7980766			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	59.74	5.0	50.00		119	69	136				
Benzene	49.66	5.0	50.00		99.3	73.7	126				
Chlorobenzene	50.27	5.0	50.00		101	73.5	124				
Toluene	51.32	5.0	50.00		103	76.8	125				
Trichloroethene	46.45	5.0	50.00		92.9	70.9	124				
Surr: 4-Bromofluorobenzene	48.71	0	50.00		97.4	68	127				
Surr: Dibromofluoromethane	52.96	0	50.00		106	84.4	122				
Surr: Toluene-d8	53.41	0	50.00		107	80.1	116				

Sample ID: 1801C36-007AMS	Client ID:				Units: ug/L	Prep Date: 01/22/2018	Run No: 361428				
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 254571	Analysis Date: 01/23/2018	Seq No: 7982517				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	6999	500	5000		140	65.7	143				
Benzene	6172	500	5000		123	66.1	137				
Chlorobenzene	5775	500	5000		116	70.9	132				
Toluene	6163	500	5000		123	63.8	141				
Trichloroethene	5397	500	5000		108	70.6	128				
Surr: 4-Bromofluorobenzene	4597	0	5000		91.9	68	127				
Surr: Dibromofluoromethane	5263	0	5000		105	84.4	122				
Surr: Toluene-d8	5256	0	5000		105	80.1	116				

Sample ID: 1801C36-007AMSD	Client ID:					Units: ug/L	Prep Date: 01/22/2018	Run No: 361428			
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 254571	Analysis Date: 01/23/2018	Seq No: 7982518			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	7048	500	5000		141	65.7	143	6999	0.698	17.7	
Benzene	5682	500	5000		114	66.1	137	6172	8.27	20	

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		

Client: American Environmental & Construction Services Inc
Project Name: Silverstein
Workorder: 1801C24

ANALYTICAL QC SUMMARY REPORT

BatchID: 254571

Sample ID: 1801C36-007AMSD	Client ID:	Units: ug/L				Prep Date: 01/22/2018	Run No: 361428				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 254571				Analysis Date: 01/23/2018	Seq No: 7982518				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	5351	500	5000		107	70.9	132	5775	7.62	20	
Toluene	5777	500	5000		116	63.8	141	6163	6.47	20	
Trichloroethene	5044	500	5000		101	70.6	128	5397	6.76	20	
Surr: 4-Bromofluorobenzene	4592	0	5000		91.8	68	127	4597	0	0	
Surr: Dibromofluoromethane	5362	0	5000		107	84.4	122	5263	0	0	
Surr: Toluene-d8	5340	0	5000		107	80.1	116	5256	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		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

January 26, 2018

Rodger Daniel
American Environmental & Construction Services Inc
1170 Tidwell Rd
Alpharetta GA 30004

RE: Silverstein

Dear Rodger Daniel:

Order No: 1801D62

Analytical Environmental Services, Inc. received 5 samples on 1/18/2018 12:20:00 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,

Ioana Pacurar
Project Manager

Revision 1/26/2018



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

CHAIN OF CUSTODY

Work Order: 1801062

Date: 1/16/18 Page 1 of 1

COMPANY: AECS						ADDRESS: 1170 Tidwell Rd., Suite 103 Alpharetta, GA 30004						ANALYSIS REQUESTED								Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.				Number of Containers															
PHONE: 770-754-6440						EMAIL: jsears@amenv.com						VOC 8260B <table border="1"><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>																											
SAMPLED BY: Joanne Sears						SIGNATURE: [Signature]														REMARKS																			
#	SAMPLE ID					SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)																												
						DATE	TIME																																
1	MW-44					1/15/16	13:50	X		GW	X										2																		
2	MW-41					1/15/16	17:44	X		GW	X										2																		
3	EW-4					1/16/16	12:15	X		GW	X										2																		
4	MW-8					1/16/16	9:50	X		GW	X										2																		
5	Trip Blank									W	X										2																		
6																																							
7																																							
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14																																							
RELINQUISHED BY:						DATE/TIME:						RECEIVED BY:						DATE/TIME:						PROJECT INFORMATION								RECEIPT							
1. [Signature]						14:00 1/16/16						1. [Signature]						1/16/16 12:20						PROJECT NAME: Silverstein								Total # of Containers: 10							
2.												2.												PROJECT #: 02-14								Turnaround Time (TAT) Request							
3.												3.												SITE ADDRESS: 2716 Washington Rd., Augusta, GA								<input checked="" type="checkbox"/> Standard 5 Business Days							
																								SEND REPORT TO: R Daniel, B Dixon, J Sears, C Welty, V Donnelly, S Pfeifer								<input type="checkbox"/> 2 Business Day Rush							
SPECIAL INSTRUCTIONS/COMMENTS:						SHIPMENT METHOD OUT: 1/16/16 VIA: FedEx IN: / / VIA: client FedEx UPS US mail courier Greyhound other:						INVOICE TO: (IF DIFFERENT FROM ABOVE) Brink Miller						QUOTE #: PO#:								<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"/>							

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 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 S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None

Page 2 of 18

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc
Date: 26-Jan-18

Client: American Environmental & Construction Services Inc
Project Name: Silverstein
Lab ID: 1801D62-001

Client Sample ID: MW-44
Collection Date: 1/15/2018 1:50:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
2-Butanone	BRL	50		ug/L	254684	1	01/24/2018 19:19	NP
2-Hexanone	BRL	10		ug/L	254684	1	01/24/2018 19:19	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254684	1	01/24/2018 19:19	NP
Acetone	BRL	50		ug/L	254684	1	01/24/2018 19:19	NP
Benzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Bromodichloromethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Bromoform	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Bromomethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Carbon disulfide	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Carbon tetrachloride	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Chlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Chloroethane	BRL	10		ug/L	254684	1	01/24/2018 19:19	NP
Chloroform	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Chloromethane	BRL	3.0		ug/L	254684	1	01/24/2018 19:19	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Cyclohexane	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Dibromochloromethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Dichlorodifluoromethane	BRL	10		ug/L	254684	1	01/24/2018 19:19	NP
Ethylbenzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Freon-113	BRL	10		ug/L	254684	1	01/24/2018 19:19	NP
Isopropylbenzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
m,p-Xylene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Methyl acetate	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Methylcyclohexane	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Methylene chloride	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
o-Xylene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	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: 26-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	MW-44
Project Name:	Silverstein	Collection Date:	1/15/2018 1:50:00 PM
Lab ID:	1801D62-001	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Tetrachloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Toluene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Trichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Trichlorofluoromethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:19	NP
Vinyl chloride	BRL	2.0		ug/L	254684	1	01/24/2018 19:19	NP
Surr: 4-Bromofluorobenzene	76.1	68-127		%REC	254684	1	01/24/2018 19:19	NP
Surr: Dibromofluoromethane	95.2	84.4-122		%REC	254684	1	01/24/2018 19:19	NP
Surr: Toluene-d8	91.1	80.1-116		%REC	254684	1	01/24/2018 19:19	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: 26-Jan-18

Client: American Environmental & Construction Services Inc	Client Sample ID: MW-41
Project Name: Silverstein	Collection Date: 1/15/2018 5:44:00 PM
Lab ID: 1801D62-002	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
2-Butanone	BRL	50		ug/L	254684	1	01/24/2018 19:43	NP
2-Hexanone	BRL	10		ug/L	254684	1	01/24/2018 19:43	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254684	1	01/24/2018 19:43	NP
Acetone	BRL	50		ug/L	254684	1	01/24/2018 19:43	NP
Benzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Bromodichloromethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Bromoform	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Bromomethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Carbon disulfide	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Carbon tetrachloride	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Chlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Chloroethane	BRL	10		ug/L	254684	1	01/24/2018 19:43	NP
Chloroform	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Chloromethane	BRL	3.0		ug/L	254684	1	01/24/2018 19:43	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Cyclohexane	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Dibromochloromethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Dichlorodifluoromethane	BRL	10		ug/L	254684	1	01/24/2018 19:43	NP
Ethylbenzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Freon-113	BRL	10		ug/L	254684	1	01/24/2018 19:43	NP
Isopropylbenzene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
m,p-Xylene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Methyl acetate	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Methylcyclohexane	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Methylene chloride	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
o-Xylene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	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: 26-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	MW-41
Project Name:	Silverstein	Collection Date:	1/15/2018 5:44:00 PM
Lab ID:	1801D62-002	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Tetrachloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Toluene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Trichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Trichlorofluoromethane	BRL	5.0		ug/L	254684	1	01/24/2018 19:43	NP
Vinyl chloride	BRL	2.0		ug/L	254684	1	01/24/2018 19:43	NP
Surr: 4-Bromofluorobenzene	73.6	68-127		%REC	254684	1	01/24/2018 19:43	NP
Surr: Dibromofluoromethane	99.7	84.4-122		%REC	254684	1	01/24/2018 19:43	NP
Surr: Toluene-d8	91.8	80.1-116		%REC	254684	1	01/24/2018 19:43	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: 26-Jan-18

Client: American Environmental & Construction Services Inc	Client Sample ID: EW-U
Project Name: Silverstein	Collection Date: 1/16/2018 12:15:00 PM
Lab ID: 1801D62-003	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
2-Butanone	BRL	50		ug/L	254684	1	01/24/2018 20:07	NP
2-Hexanone	BRL	10		ug/L	254684	1	01/24/2018 20:07	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254684	1	01/24/2018 20:07	NP
Acetone	BRL	50		ug/L	254684	1	01/24/2018 20:07	NP
Benzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Bromodichloromethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Bromoform	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Bromomethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Carbon disulfide	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Carbon tetrachloride	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Chlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Chloroethane	BRL	10		ug/L	254684	1	01/24/2018 20:07	NP
Chloroform	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Chloromethane	BRL	3.0		ug/L	254684	1	01/24/2018 20:07	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Cyclohexane	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Dibromochloromethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Dichlorodifluoromethane	BRL	10		ug/L	254684	1	01/24/2018 20:07	NP
Ethylbenzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Freon-113	BRL	10		ug/L	254684	1	01/24/2018 20:07	NP
Isopropylbenzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
m,p-Xylene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Methyl acetate	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Methylcyclohexane	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Methylene chloride	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
o-Xylene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	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: 26-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	EW-U
Project Name:	Silverstein	Collection Date:	1/16/2018 12:15:00 PM
Lab ID:	1801D62-003	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Tetrachloroethene	23	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Toluene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Trichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Trichlorofluoromethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:07	NP
Vinyl chloride	BRL	2.0		ug/L	254684	1	01/24/2018 20:07	NP
Surr: 4-Bromofluorobenzene	74.7	68-127		%REC	254684	1	01/24/2018 20:07	NP
Surr: Dibromofluoromethane	93.8	84.4-122		%REC	254684	1	01/24/2018 20:07	NP
Surr: Toluene-d8	88.8	80.1-116		%REC	254684	1	01/24/2018 20:07	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: 26-Jan-18

Client: American Environmental & Construction Services Inc	Client Sample ID: MW-8
Project Name: Silverstein	Collection Date: 1/16/2018 9:50:00 AM
Lab ID: 1801D62-004	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
2-Butanone	BRL	50		ug/L	254684	1	01/24/2018 20:31	NP
2-Hexanone	BRL	10		ug/L	254684	1	01/24/2018 20:31	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254684	1	01/24/2018 20:31	NP
Acetone	BRL	50		ug/L	254684	1	01/24/2018 20:31	NP
Benzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Bromodichloromethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Bromoform	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Bromomethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Carbon disulfide	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Carbon tetrachloride	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Chlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Chloroethane	BRL	10		ug/L	254684	1	01/24/2018 20:31	NP
Chloroform	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Chloromethane	BRL	3.0		ug/L	254684	1	01/24/2018 20:31	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Cyclohexane	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Dibromochloromethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Dichlorodifluoromethane	BRL	10		ug/L	254684	1	01/24/2018 20:31	NP
Ethylbenzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Freon-113	BRL	10		ug/L	254684	1	01/24/2018 20:31	NP
Isopropylbenzene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
m,p-Xylene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Methyl acetate	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Methylcyclohexane	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Methylene chloride	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
o-Xylene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	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: 26-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	MW-8
Project Name:	Silverstein	Collection Date:	1/16/2018 9:50:00 AM
Lab ID:	1801D62-004	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Tetrachloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Toluene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Trichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Trichlorofluoromethane	BRL	5.0		ug/L	254684	1	01/24/2018 20:31	NP
Vinyl chloride	BRL	2.0		ug/L	254684	1	01/24/2018 20:31	NP
Surr: 4-Bromofluorobenzene	74	68-127		%REC	254684	1	01/24/2018 20:31	NP
Surr: Dibromofluoromethane	96.6	84.4-122		%REC	254684	1	01/24/2018 20:31	NP
Surr: Toluene-d8	91.1	80.1-116		%REC	254684	1	01/24/2018 20:31	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: 26-Jan-18

Client: American Environmental & Construction Services Inc
Project Name: Silverstein
Lab ID: 1801D62-005

Client Sample ID: TRIP BLANK
Collection Date: 1/16/2018
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
1,1-Dichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
1,1-Dichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
1,2-Dibromoethane	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
1,2-Dichloroethane	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
1,2-Dichloropropane	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
2-Butanone	BRL	50		ug/L	254684	1	01/24/2018 18:55	NP
2-Hexanone	BRL	10		ug/L	254684	1	01/24/2018 18:55	NP
4-Methyl-2-pentanone	BRL	10		ug/L	254684	1	01/24/2018 18:55	NP
Acetone	BRL	50		ug/L	254684	1	01/24/2018 18:55	NP
Benzene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Bromodichloromethane	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Bromoform	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Bromomethane	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Carbon disulfide	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Carbon tetrachloride	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Chlorobenzene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Chloroethane	BRL	10		ug/L	254684	1	01/24/2018 18:55	NP
Chloroform	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Chloromethane	BRL	3.0		ug/L	254684	1	01/24/2018 18:55	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Cyclohexane	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Dibromochloromethane	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Dichlorodifluoromethane	BRL	10		ug/L	254684	1	01/24/2018 18:55	NP
Ethylbenzene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Freon-113	BRL	10		ug/L	254684	1	01/24/2018 18:55	NP
Isopropylbenzene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
m,p-Xylene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Methyl acetate	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Methylcyclohexane	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Methylene chloride	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
o-Xylene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	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: 26-Jan-18

Client: American Environmental & Construction Services Inc	Client Sample ID: TRIP BLANK
Project Name: Silverstein	Collection Date: 1/16/2018
Lab ID: 1801D62-005	Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Tetrachloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Toluene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Trichloroethene	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Trichlorofluoromethane	BRL	5.0		ug/L	254684	1	01/24/2018 18:55	NP
Vinyl chloride	BRL	2.0		ug/L	254684	1	01/24/2018 18:55	NP
Surr: 4-Bromofluorobenzene	69.8	68-127		%REC	254684	1	01/24/2018 18:55	NP
Surr: Dibromofluoromethane	96.3	84.4-122		%REC	254684	1	01/24/2018 18:55	NP
Surr: Toluene-d8	94.3	80.1-116		%REC	254684	1	01/24/2018 18:55	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

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: EW-U Lab ID: 1801D62-003							
Collection Date: 1/16/2018 12:15:00 PM Matrix: Groundwater							
TCL VOLATILE ORGANICS SW8260B				(SW5030B)			
Tetrachloroethene	23		0.46	5.0	ug/L	254684	1

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 CHECKLIST

[Clear](#)
[Save as](#)

1. Client Name: **American Environmental & Construction Services Inc**

AES Work Order Number: **1801D62**

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

13. Cooler 1 Temperature 1.8 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C
14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials).

TR 1/18/18

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
17. Custody seals present on sample containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
18. Custody seals intact on sample containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
19. Do sample container labels match the COC?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	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="radio"/>	<input type="radio"/>	<input type="radio"/>		
21. Were all of the samples listed on the COC received?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	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 checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
23. Did we receive sufficient sample volume for indicated analyses?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
24. Were samples received in appropriate containers?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
25. Were VOA samples received without headspace (< 1/4" bubble)?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
26. Were trip blanks submitted?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	listed on COC <input checked="" 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).

EDM 1/19/18

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

* 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).

EDM 1/19/18

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Client: American Environmental & Construction Services Inc
Project Name: Silverstein
Workorder: 1801D62

ANALYTICAL QC SUMMARY REPORT**BatchID: 254684**

Sample ID: MB-254684	Client ID:				Units: ug/L	Prep Date: 01/24/2018	Run No: 361542				
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 254684	Analysis Date: 01/24/2018	Seq No: 7984106				
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	5.0
1,1,2,2-Tetrachloroethane	BRL	5.0
1,1,2-Trichloroethane	BRL	5.0
1,1-Dichloroethane	BRL	5.0
1,1-Dichloroethene	BRL	5.0
1,2,4-Trichlorobenzene	BRL	5.0
1,2-Dibromo-3-chloropropane	BRL	5.0
1,2-Dibromoethane	BRL	5.0
1,2-Dichlorobenzene	BRL	5.0
1,2-Dichloroethane	BRL	5.0
1,2-Dichloropropane	BRL	5.0
1,3-Dichlorobenzene	BRL	5.0
1,4-Dichlorobenzene	BRL	5.0
2-Butanone	BRL	50
2-Hexanone	BRL	10
4-Methyl-2-pentanone	BRL	10
Acetone	BRL	50
Benzene	BRL	5.0
Bromodichloromethane	BRL	5.0
Bromoform	BRL	5.0
Bromomethane	BRL	5.0
Carbon disulfide	BRL	5.0
Carbon tetrachloride	BRL	5.0
Chlorobenzene	BRL	5.0
Chloroethane	BRL	10
Chloroform	BRL	5.0
Chloromethane	BRL	10

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		

Client: American Environmental & Construction Services Inc
Project Name: Silverstein
Workorder: 1801D62

ANALYTICAL QC SUMMARY REPORT

BatchID: 254684

Sample ID: MB-254684	Client ID:					Units: ug/L	Prep Date: 01/24/2018		Run No: 361542		
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 254684	Analysis Date: 01/24/2018		Seq No: 7984106		
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	45.24	0	50.00		90.5	68	127				
Surr: Dibromofluoromethane	53.61	0	50.00		107	84.4	122				
Surr: Toluene-d8	47.91	0	50.00		95.8	80.1	116				

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		

Client: American Environmental & Construction Services Inc
Project Name: Silverstein
Workorder: 1801D62

ANALYTICAL QC SUMMARY REPORT**BatchID: 254684**

Sample ID: LCS-254684	Client ID:				Units: ug/L	Prep Date: 01/24/2018	Run No: 361542				
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 254684	Analysis Date: 01/24/2018	Seq No: 7985527				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	62.52	5.0	50.00		125	69	136				
Benzene	48.48	5.0	50.00		97.0	73.7	126				
Chlorobenzene	50.81	5.0	50.00		102	73.5	124				
Toluene	50.90	5.0	50.00		102	76.8	125				
Trichloroethene	55.73	5.0	50.00		111	70.9	124				
Surr: 4-Bromofluorobenzene	48.83	0	50.00		97.7	68	127				
Surr: Dibromofluoromethane	54.09	0	50.00		108	84.4	122				
Surr: Toluene-d8	49.04	0	50.00		98.1	80.1	116				

Sample ID: 1801D62-001AMS	Client ID: MW-44	Units: ug/L			Prep Date: 01/24/2018	Run No: 361637					
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 254684			Analysis Date: 01/25/2018	Seq No: 7985936					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	61.47	5.0	50.00		123	65.7	143				
Benzene	54.27	5.0	50.00		109	66.1	137				
Chlorobenzene	50.78	5.0	50.00		102	70.9	132				
Toluene	52.31	5.0	50.00		105	63.8	141				
Trichloroethene	43.81	5.0	50.00		87.6	70.6	128				
Surr: 4-Bromofluorobenzene	34.04	0	50.00		68.1	68	127				
Surr: Dibromofluoromethane	48.04	0	50.00		96.1	84.4	122				
Surr: Toluene-d8	44.11	0	50.00		88.2	80.1	116				

Sample ID: 1801D62-001AMSD	Client ID: MW-44	Units: ug/L			Prep Date: 01/24/2018	Run No: 361637					
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 254684			Analysis Date: 01/25/2018	Seq No: 7985937					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	68.40	5.0	50.00		137	65.7	143	61.47	10.7	17.7	
Benzene	55.06	5.0	50.00		110	66.1	137	54.27	1.45	20	

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		

Client: American Environmental & Construction Services Inc
Project Name: Silverstein
Workorder: 1801D62

ANALYTICAL QC SUMMARY REPORT

BatchID: 254684

Sample ID: 1801D62-001AMSD	Client ID: MW-44	Units: ug/L	Prep Date: 01/24/2018	Run No: 361637							
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 254684	Analysis Date: 01/25/2018	Seq No: 7985937							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	51.97	5.0	50.00		104	70.9	132	50.78	2.32	20	
Toluene	52.32	5.0	50.00		105	63.8	141	52.31	0.019	20	
Trichloroethene	44.39	5.0	50.00		88.8	70.6	128	43.81	1.32	20	
Surr: 4-Bromofluorobenzene	35.42	0	50.00		70.8	68	127	34.04	0	0	
Surr: Dibromofluoromethane	46.02	0	50.00		92.0	84.4	122	48.04	0	0	
Surr: Toluene-d8	44.02	0	50.00		88.0	80.1	116	44.11	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		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

January 19, 2018

Rodger Daniel
American Environmental & Construction Services Inc

1170 Tidwell Rd
Alpharetta GA 30004

RE: Silverstein

Dear Rodger Daniel:

Order No: 1801761

Analytical Environmental Services, Inc. received 4 samples on 1/11/2018 10:10:00 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.

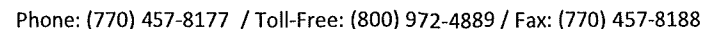
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.

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,

Ioana Pacurar
Project Manager



Work Order: 1801761

Date: 1/10/18 Page 1 of 1

White Conv - Original Yellow Conv - Client
2 of 11

Analytical Environmental Services, Inc
Date: 19-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	W-3-R
Project Name:	Silverstein	Collection Date:	1/9/2018 5:33:00 PM
Lab ID:	1801761-001	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
1,1-Dichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
1,1-Dichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
1,2-Dibromoethane	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
1,2-Dichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
1,2-Dichloropropane	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
2-Butanone	BRL	50		ug/L	254280	1	01/18/2018 16:47	OM
2-Hexanone	BRL	10		ug/L	254280	1	01/18/2018 16:47	OM
4-Methyl-2-pentanone	BRL	10		ug/L	254280	1	01/18/2018 16:47	OM
Acetone	BRL	50		ug/L	254280	1	01/18/2018 16:47	OM
Benzene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Bromodichloromethane	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Bromoform	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Bromomethane	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Carbon disulfide	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Carbon tetrachloride	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Chlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Chloroethane	BRL	10		ug/L	254280	1	01/18/2018 16:47	OM
Chloroform	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Chloromethane	BRL	3.0		ug/L	254280	1	01/18/2018 16:47	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Cyclohexane	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Dibromochloromethane	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Dichlorodifluoromethane	BRL	10		ug/L	254280	1	01/18/2018 16:47	OM
Ethylbenzene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Freon-113	BRL	10		ug/L	254280	1	01/18/2018 16:47	OM
Isopropylbenzene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
m,p-Xylene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Methyl acetate	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Methylcyclohexane	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Methylene chloride	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
o-Xylene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	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

Analytical Environmental Services, Inc
Date: 19-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	W-3-R
Project Name:	Silverstein	Collection Date:	1/9/2018 5:33:00 PM
Lab ID:	1801761-001	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Tetrachloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Toluene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Trichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Trichlorofluoromethane	BRL	5.0		ug/L	254280	1	01/18/2018 16:47	OM
Vinyl chloride	BRL	2.0		ug/L	254280	1	01/18/2018 16:47	OM
Surr: 4-Bromofluorobenzene	94.7	68-127		%REC	254280	1	01/18/2018 16:47	OM
Surr: Dibromofluoromethane	104	84.4-122		%REC	254280	1	01/18/2018 16:47	OM
Surr: Toluene-d8	98.6	80.1-116		%REC	254280	1	01/18/2018 16:47	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

Analytical Environmental Services, Inc
Date: 19-Jan-18

Client: American Environmental & Construction Services Inc	Client Sample ID: MW-18-R
Project Name: Silverstein	Collection Date: 1/10/2018 9:17:00 AM
Lab ID: 1801761-002	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
1,1-Dichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
1,1-Dichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
1,2-Dibromoethane	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
1,2-Dichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
1,2-Dichloropropane	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
2-Butanone	BRL	50		ug/L	254280	1	01/18/2018 17:14	OM
2-Hexanone	BRL	10		ug/L	254280	1	01/18/2018 17:14	OM
4-Methyl-2-pentanone	BRL	10		ug/L	254280	1	01/18/2018 17:14	OM
Acetone	BRL	50		ug/L	254280	1	01/18/2018 17:14	OM
Benzene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Bromodichloromethane	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Bromoform	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Bromomethane	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Carbon disulfide	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Carbon tetrachloride	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Chlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Chloroethane	BRL	10		ug/L	254280	1	01/18/2018 17:14	OM
Chloroform	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Chloromethane	BRL	3.0		ug/L	254280	1	01/18/2018 17:14	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Cyclohexane	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Dibromochloromethane	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Dichlorodifluoromethane	BRL	10		ug/L	254280	1	01/18/2018 17:14	OM
Ethylbenzene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Freon-113	BRL	10		ug/L	254280	1	01/18/2018 17:14	OM
Isopropylbenzene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
m,p-Xylene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Methyl acetate	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Methylcyclohexane	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Methylene chloride	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
o-Xylene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	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

Analytical Environmental Services, Inc
Date: 19-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	MW-18-R
Project Name:	Silverstein	Collection Date:	1/10/2018 9:17:00 AM
Lab ID:	1801761-002	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Tetrachloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Toluene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Trichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Trichlorofluoromethane	BRL	5.0		ug/L	254280	1	01/18/2018 17:14	OM
Vinyl chloride	BRL	2.0		ug/L	254280	1	01/18/2018 17:14	OM
Surr: 4-Bromofluorobenzene	92.6	68-127		%REC	254280	1	01/18/2018 17:14	OM
Surr: Dibromofluoromethane	105	84.4-122		%REC	254280	1	01/18/2018 17:14	OM
Surr: Toluene-d8	98.9	80.1-116		%REC	254280	1	01/18/2018 17:14	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

Analytical Environmental Services, Inc
Date: 19-Jan-18

Client: American Environmental & Construction Services Inc	Client Sample ID: MW-43
Project Name: Silverstein	Collection Date: 1/10/2018 4:00:00 PM
Lab ID: 1801761-003	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
1,1-Dichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
1,1-Dichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
1,2-Dibromoethane	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
1,2-Dichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
1,2-Dichloropropane	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
2-Butanone	BRL	50		ug/L	254280	1	01/18/2018 20:25	OM
2-Hexanone	BRL	10		ug/L	254280	1	01/18/2018 20:25	OM
4-Methyl-2-pentanone	BRL	10		ug/L	254280	1	01/18/2018 20:25	OM
Acetone	BRL	50		ug/L	254280	1	01/18/2018 20:25	OM
Benzene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Bromodichloromethane	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Bromoform	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Bromomethane	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Carbon disulfide	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Carbon tetrachloride	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Chlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Chloroethane	BRL	10		ug/L	254280	1	01/18/2018 20:25	OM
Chloroform	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Chloromethane	BRL	3.0		ug/L	254280	1	01/18/2018 20:25	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Cyclohexane	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Dibromochloromethane	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Dichlorodifluoromethane	BRL	10		ug/L	254280	1	01/18/2018 20:25	OM
Ethylbenzene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Freon-113	BRL	10		ug/L	254280	1	01/18/2018 20:25	OM
Isopropylbenzene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
m,p-Xylene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Methyl acetate	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Methylcyclohexane	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Methylene chloride	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
o-Xylene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	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

Analytical Environmental Services, Inc
Date: 19-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	MW-43
Project Name:	Silverstein	Collection Date:	1/10/2018 4:00:00 PM
Lab ID:	1801761-003	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Tetrachloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Toluene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Trichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Trichlorofluoromethane	BRL	5.0		ug/L	254280	1	01/18/2018 20:25	OM
Vinyl chloride	BRL	2.0		ug/L	254280	1	01/18/2018 20:25	OM
Surr: 4-Bromofluorobenzene	91.8	68-127		%REC	254280	1	01/18/2018 20:25	OM
Surr: Dibromofluoromethane	108	84.4-122		%REC	254280	1	01/18/2018 20:25	OM
Surr: Toluene-d8	100	80.1-116		%REC	254280	1	01/18/2018 20:25	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

Analytical Environmental Services, Inc
Date: 19-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	TRIP BLANK
Project Name:	Silverstein	Collection Date:	1/10/2018
Lab ID:	1801761-004	Matrix:	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
1,1-Dichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
1,1-Dichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
1,2-Dibromoethane	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
1,2-Dichloroethane	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
1,2-Dichloropropane	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
2-Butanone	BRL	50		ug/L	254280	1	01/18/2018 15:30	OM
2-Hexanone	BRL	10		ug/L	254280	1	01/18/2018 15:30	OM
4-Methyl-2-pentanone	BRL	10		ug/L	254280	1	01/18/2018 15:30	OM
Acetone	BRL	50		ug/L	254280	1	01/18/2018 15:30	OM
Benzene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Bromodichloromethane	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Bromoform	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Bromomethane	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Carbon disulfide	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Carbon tetrachloride	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Chlorobenzene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Chloroethane	BRL	10		ug/L	254280	1	01/18/2018 15:30	OM
Chloroform	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Chloromethane	BRL	3.0		ug/L	254280	1	01/18/2018 15:30	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Cyclohexane	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Dibromochloromethane	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Dichlorodifluoromethane	BRL	10		ug/L	254280	1	01/18/2018 15:30	OM
Ethylbenzene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Freon-113	BRL	10		ug/L	254280	1	01/18/2018 15:30	OM
Isopropylbenzene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
m,p-Xylene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Methyl acetate	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Methylcyclohexane	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Methylene chloride	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
o-Xylene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM

Qualifiers:

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- BRL Below reporting limit
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- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
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- 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: 19-Jan-18

Client:	American Environmental & Construction Services Inc	Client Sample ID:	TRIP BLANK
Project Name:	Silverstein	Collection Date:	1/10/2018
Lab ID:	1801761-004	Matrix:	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Tetrachloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Toluene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Trichloroethene	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Trichlorofluoromethane	BRL	5.0		ug/L	254280	1	01/18/2018 15:30	OM
Vinyl chloride	BRL	2.0		ug/L	254280	1	01/18/2018 15:30	OM
Surr: 4-Bromofluorobenzene	94.6	68-127		%REC	254280	1	01/18/2018 15:30	OM
Surr: Dibromofluoromethane	110	84.4-122		%REC	254280	1	01/18/2018 15:30	OM
Surr: Toluene-d8	99.3	80.1-116		%REC	254280	1	01/18/2018 15:30	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

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: _____

AES Work Order Number: _____

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ☐ Courier ☐ Other _____

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

13. Cooler 1 Temperature _____ °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C
 Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). _____

	Yes	No	N/A	Details	Comments
16. Were sample containers intact upon receipt?					
17. Custody seals present on sample containers?					
18. Custody seals intact on sample containers?					
19. Do sample container labels match the COC?				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?					
21. Were all of the samples listed on the COC received?				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?					
23. Did we receive sufficient sample volume for indicated analyses?					
24. Were samples received in appropriate containers?					
25. Were VOA samples received without headspace (< 1/4" bubble)?					
26. Were trip blanks submitted?				listed on COC <input type="checkbox"/> not listed on COC <input type="checkbox"/>	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). _____

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

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