



**LIMITED SUBSURFACE INVESTIGATION  
(LSI)**

**500 Veterans Memorial Parkway  
Assessor's Map 107, Plat 15, Lot 1  
East Providence, Rhode Island**

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**SAGE Project #M1266**

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## TABLE OF CONTENTS

<b>1.0</b>	<b>INTRODUCTION .....</b>	<b>1</b>
<b>1.1</b>	<b>Environmental Setting and Soil/Groundwater Regulatory Classification .....</b>	<b>1</b>
<b>2.0</b>	<b>LIMITED SUBSURFACE INVESTIGATION .....</b>	<b>1</b>
<b>2.1</b>	<b>Soil Boring Advancement / Groundwater Monitoring Well Installations .....</b>	<b>1</b>
<b>2.2</b>	<b>Soil Sampling Analytical Results .....</b>	<b>3</b>
<b>2.3</b>	<b>Groundwater Sampling.....</b>	<b>4</b>
<b>2.4</b>	<b>Groundwater Elevation Survey .....</b>	<b>4</b>
<b>2.5</b>	<b>Groundwater Sampling Analytical Results.....</b>	<b>4</b>
<b>3.0</b>	<b>FINDINGS AND OPINIONS.....</b>	<b>5</b>
<b>4.0</b>	<b>SIGNATURES AND QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS .....</b>	<b>5</b>
<b>5.0</b>	<b>LIMITATIONS.....</b>	<b>5</b>

### FIGURES

<b>Figure 1</b>	<b>USGS Site Locus Map</b>
<b>Figure 2</b>	<b>Site Plan</b>
<b>Figure 3</b>	<b>Groundwater Classification Map</b>

### ATTACHMENTS

<b>Attachment 1</b>	<b>Soil Boring/Monitoring Well Construction Logs</b>
<b>Attachment 2</b>	<b>Laboratory Analytical Reports and Chain-of-Custody Documentation (Soil)</b>
<b>Attachment 3</b>	<b>Laboratory Analytical Reports and Chain-of-Custody Documentation (Groundwater)</b>



## 1.0 INTRODUCTION

SAGE Environmental, Inc. (SAGE) conducted a Limited Subsurface Investigation (LSI) of the 139.85-acre property addressed as 500 Veterans Memorial Parkway in East Providence, Rhode Island (the “Site”). A United States Geological Survey (USGS) Locus Map depicting the Site location is attached as **Figure 1**.

In January 2025, SAGE conducted an American Society for Testing and Materials (ASTM) Phase I Environmental Site Assessment (ESA). Results of the Phase I ESA identified the following Recognized Environmental Conditions (RECs):

- **Historical Golf Course Operation and Application of Pesticides/Herbicides/Fungicides (PHFs):** The Site has been utilized for golf course operations since circa 1900 (over 100 years); as such, there is a moderate to high probability for PHF residuals to be present in surficial soils and possibly groundwater at concentrations above Rhode Island Department of Environmental Management (RIDEM) criteria.

Based on the findings of the Phase I ESA, SAGE opined that a preliminary investigation of Site soils and groundwater was warranted to evaluate whether a release of PHFs to Site soils and/or groundwater had occurred. Note: This initial sampling regime was tailored to cut and fills associated with planned redevelopment activities details of which are provided herein.

### 1.1 Environmental Setting and Soil/Groundwater Regulatory Classification

Based on a review of maps obtained from the Rhode Island Geographic Information System (RIGIS) database for the Site and vicinity, groundwater at the Site and immediate surrounding area is classified as GB. According to the Rhode Island Department of Environmental Management (RIDEM), GB groundwater is defined as groundwater that is presumed not suitable for use as a public or private drinking water supply without prior treatment. Given the groundwater classification the Site falls within, groundwater results herein have been compared to the RIDEM Method 1 GB Groundwater Objectives (GB-GWOs). Additionally, the Site is not located within any resource areas or protected open spaces. A copy of the RIGIS map is included as **Figure 3**.

Additionally, given that an Environmental Land Use Restriction (ELUR) does not currently exist at the Site, the soil results herein have been compared to the RIDEM Method 1 Residential Direct Exposure Criteria (R-DEC) and GB Leachability Criteria (GB-LC).

## 2.0 LIMITED SUBSURFACE INVESTIGATION

The following sections summarize the work performed. The LSI was focused upon the areas of concern noted on the attached **Figure 2**, which were developed based on the findings of the Phase I ESA and planned cut and fills.

### 2.1 Soil Boring Advancement / Groundwater Monitoring Well Installations

Prior to advancing soil borings at the Site, SAGE marked the area to be investigated and contacted DigSafe

such that underground utilities could be marked prior to commencement of field work. SAGE returned to the Site on January 13 and 14, 2025, to oversee the advancement of fourteen (14) soil borings (SE-101 through SE-114) by SAGE Enviro-Tech Drilling Services utilizing a track-mounted Geoprobe® rig. Boring locations are depicted on **Figure 2**. A summary of boring placement rationale is provided in **Table 1**.

While advancing the borings, continuous soil samples were collected in approximate two- to five-foot intervals. All collected samples were field screened for the presence volatile compounds in the form of total volatile organic vapor (TVOV) *via* the jar headspace method using a photoionization Detector (PID) equipped with a 10.6 millivolt lamp calibrated to 100 parts per million by volume (ppmv) isobutylene standard. TVOV screening values are summarized below in **Table 1**.

**Table 1**  
**Boring Placement Rationale and TVOV Screening Results**  
**500 Veterans Memorial Parkway**  
**East Providence, Rhode Island**

Boring ID	Boring Placement Rationale	Depth (Feet BSG)	TVOV Result (ppmv)
SE-101	Representative of the western side of the parcel, and of the proposed grocer area and planned depth of cut	0-2	0.4
		5-8	0.5
		10-14	1.4
SE-102(MW)	Representative of the western side of the parcel, and of the proposed grocer area and planned depth of cut	0-2	0.3
		5-8	0.2
		10-14	0.4
SE-103	Representative of the southwestern side of the parcel and planned depth of cut	0-3	0.3
		5-8	0.4
SE-104	Representative of the southwestern side of the parcel	0-3	0.3
SE-105	Representative of the southwestern side of the parcel and planned depth of cut	0-3	0.4
		5-9	0.5
SE-106(MW)	Representative of the southwestern side of the parcel	0-3	0.5
		5-8	0.6
SE-107	Representative of the northwestern side of the parcel and planned depth of cut	0-2	0.9
		5-8	0.9
SE-108	Representative of the northwestern side of the parcel and planned depth of cut	0-2	0.5
		5-8.5	0.7
		10-14	0.6
		15-17	0.3

Boring ID	Boring Placement Rationale	Depth (Feet BSG)	TVOV Result (ppmv)
SE-109(MW)	Representative of the northern side of the parcel and planned depth of cut	0-2	0.1
		5-8	0.5
		10-14	0.7
SE-110	Representative of the northern side of the parcel and planned depth of cut	0-3	0.6
SE-111	Representative of the northern side of the parcel and planned depth of cut	0-2	0.0
		5-8	0.0
		10-13	0.0
SE-112(MW)	Representative of the northern side of the parcel and planned depth of cut	0-2	1.1
		5-8	1.3
		10-13	1.1
		15-19	1.2
SE-113	Representative of the central portion of the parcel and planned depth of cut	0-2	0.3
		5-9	0.6
		10-13	0.7
SE-114	Representative of the central portion of the parcel and planned depth of cut	0-2	0.7
		5-8	0.8
		10-13.5	1.0

BSG=Below surface grade  
 NR=No Recovery  
 NS=Not Sampled  
 \*=Submitted for laboratory analysis

From the collected soil samples, subsurface conditions were observed, and lithology consisted predominantly of fine to medium sand with some cobbles and coarser gravel. No indications of urban fill were identified during the investigation.

Groundwater was encountered at depths ranging from 18 to 24 feet BSG throughout the Site. Further soil lithology observations are provided in soil boring/monitoring well installation logs included as **Attachment 1**.

Of the fourteen (14) borings, four (4) were completed as permanent groundwater monitoring wells as follows: SE-102(MW), SE-106(MW), SE-109(MW) and SE-112(MW). Well placement was intended to provide areal coverage of portions of property planned for redevelopment.

## 2.2 Soil Sampling Analytical Results

Soil sampling depths were predetermined and based on the planned depth of soil grade cuts denoted on provided engineering plans. Soils from the entire vertical extent of grade cuts were composited and submitted for each boring location. It is our understanding that these soils will be moved to raise elevations at other portions of the property. No soils are planned to leave the site as part of redevelopment activities.

Composite soil samples were collected from all fourteen (14) of the borings, placed in a cooler on ice and transported under chain-of-custody protocol to a State-certified laboratory for Herbicides, Pesticides, Volatile Organic Compounds (VOCs), and 13 Priority Pollutant (PP13) Metals.

As depicted in **Table 2** attached, no detections of herbicides, pesticides, or VOCs were detected above RIDEM Method 1 R-DEC or applicable GB-LC.

Arsenic was detected in five (5) soil samples, at concentrations that exceed the RIDEM Method 1 R-DEC and Industrial/Commercial Direct Exposure Criteria (I/C-DEC) of 7 mg/kg. Arsenic concentrations range from 7.25-10.5 mg/kg. No arsenic criteria are established for GB-LC.

Please note that only analytes detected above laboratory detection limits are included in **Table 2**. A complete list of analytes tested for is included in the laboratory analytical report, along with Chain-of-Custody documentation, which is included as **Attachment 2**.

### **2.3 Groundwater Sampling**

On January 17, 2025, SAGE returned to the Site to complete a round of groundwater sampling from the four (4) newly installed monitoring wells. The monitoring well locations are identified on **Figure 2**.

Prior to sample collection, SAGE gauged each well utilizing a Geotech® Electronic Interface Probe to determine depth to groundwater and to assess the groundwater surface to evaluate for the potential presence of non-aqueous phase liquid (NAPL). NAPL was not detected during well gauging of any of the wells sampled. Next, each well was purged with a peristaltic pump to remove fine-grained sediments utilizing a low-flow peristaltic pump a minimum of three static well volumes prior to sample collection. Additionally, a portable turbidity meter was utilized throughout groundwater purging with a target turbidity of each sample less than 5 Nephelometric Turbidity Units (NTUs). Please note that several monitoring wells were starting to go dry, and out of caution, SAGE collected groundwater samples, regardless of achieving a turbidity reading below 5 NTUs.

Once purged, groundwater samples were collected in analyte-specific containers, placed in a cooler on ice and transported under chain-of-custody protocol to a state-certified laboratory for analysis of VOCs *via* EPA Method 8260.

### **2.4 Groundwater Elevation Survey**

A groundwater elevation survey was not conducted as part of this investigation.

### **2.5 Groundwater Sampling Analytical Results**

A targeted VOC was not detected at concentrations above laboratory detection limits all of which are well below applicable RIDEM Method 1 GB-GWOs. A complete list of analytes tested for is included in the laboratory analytical report, along with Chain-of-Custody documentation, which is included as **Attachment 3**.

### 3.0 FINDINGS AND OPINIONS

SAGE conducted an LSI to grossly evaluate soil and groundwater for potential contaminants of concern. The results of these evaluations identified soil at several locations to contain arsenic in excess of applicable RIDEM Direct Exposure Criteria.

Based upon the results presented herein, a release to the environment, as defined by the RIDEM Remediation Regulations, has been identified. As such, and as defined in the Remediation Regulations, the Responsible Party should report to RIDEM within 15 days from the date they have been notified of these findings.

### 4.0 SIGNATURES AND QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

This report summarizes the findings of this LSI, the information and findings of which are true and correct to the best of SAGE's knowledge.

The undersigned professional(s) experienced in conducting subsurface evaluations assisted in the preparation of this report.

*Becky Raymond*

04/01/2025

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Becky Raymond  
Senior Staff Scientist

Date

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR Part 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

The undersigned qualified Environmental Professional(s) experienced in conducting subsurface evaluations have prepared this report.

*Rick Mandile*

04/01/2025

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Rick Mandile  
Senior Principal

Date

### 5.0 LIMITATIONS

Data obtained from public agencies, site inspections, and data mapping sources was used in the characterization of this site. The accuracy of the conclusions derived from these data is based solely on the accuracy of the data reported and or supplied. Should information be made available concerning the site which is not included in this report, it should be reported to SAGE so that findings, conclusions, and/or recommendations can be altered and modified (if necessary).

Events occurring on the site after on-site inspection(s) are beyond the scope of this report. As such, SAGE makes no expressed or implied representations, warranties or guarantees regarding any changes in the condition of the premises after the date of the on-site inspection.

Any qualitative or quantitative information regarding the site, which was not available to SAGE at the time of this assessment, may result in modification(s) to the conclusions and/or representations made in this report.

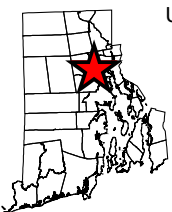
Due to the fact that geological and soil formations are inherently random, variable, and indeterminate (heterogeneous) in nature, the professional services and opinions provided by SAGE under our agreement are not guaranteed to be a representation of complete site conditions, which are variable and subject to change with time or as the result of natural or man-made processes. Although our services are extensive, opinions, findings, and conclusions presented are limited to and by the data supplied, reported, and obtained. Additionally, unless specified or otherwise included herein, this assessment did not include an evaluation of business environmental risk and non-scope considerations. Such non-scope considerations include, but are not limited to, evaluation of: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, industrial hygiene, health and safety, OSHA compliance, cultural and historic resources, ecological resources, endangered species, indoor air quality, electromagnetic fields, formaldehyde, high-voltage power lines, non-point sources or best management practices for silviculture. Under the terms of the agreement no attempt was made to determine the compliance or regulatory status of present or former owners or operators of the site with respect to federal, state, municipal, environmental, and land use laws or regulations.

SAGE has retained a copy of this report. No deletions or additions are permitted without the written consent of SAGE. This report, including the data, maps, and figures contained herein, are not suitable for use in its present form, for any ongoing or pending litigation. Use of this report in whole or in part by parties other than those authorized by SAGE is prohibited.

# FIGURES



USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road data; Natural Earth Data; U.S. Department of State HIU; NOAA National Centers for Environmental Information. Data refreshed February, 2025.



USGS QUADRANGLE  
PROVIDENCE,  
RHODE ISLAND

### USGS Quadrangle Site Location Map

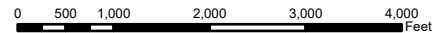
500 Veterans Memorial Parkway  
East Providence, Rhode Island

Date: 01/03/2025

Project #: M1266

Created By: AK

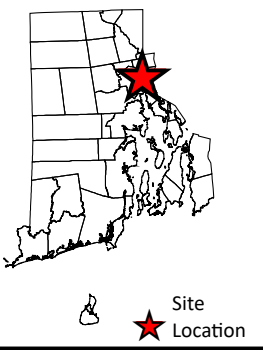
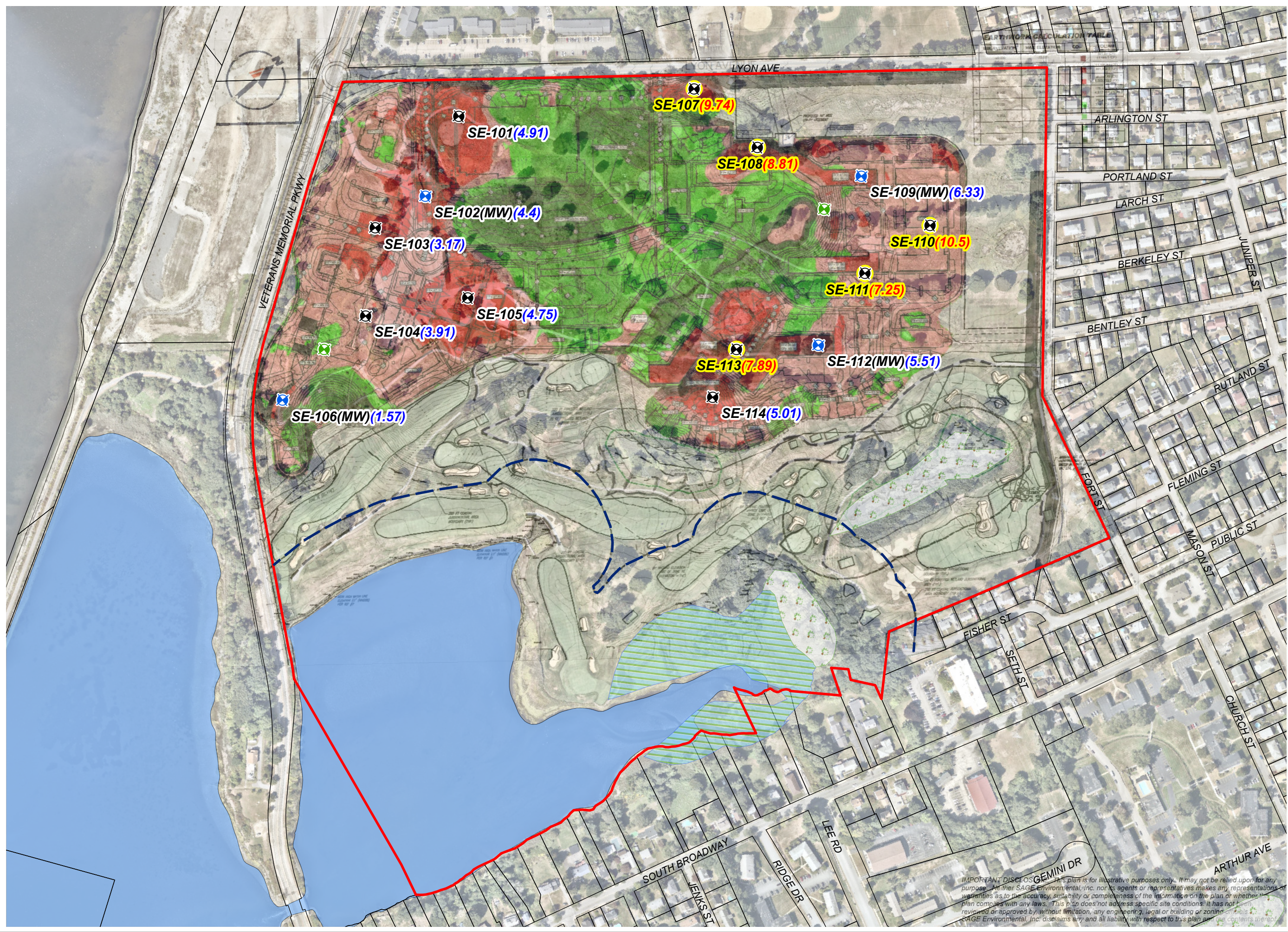
Data Provided by RIGIS



### Figure 1



★ Site Location



**Legend**

- ▭ Approximate Site Boundary
- ▭ Watchemoket Cove
- - - 200' Coastal Jurisdictional Area Boundary
- ⊕ Observed Monitoring Well (Installed by Others)
- ⊕ Approximate Location of Soil Boring/Monitoring Well
- ⊕ Approximate Location of Soil Boring
- ⊕ Approximate Location of Soil Boring with Arsenic Exceedance

**Wetland Type**

- ▨ Estuarine Emergent Wetland
- ▨ Forested Wetland: Deciduous

(##) = Arsenic Concentration in Soil (mg/kg)  
 (##) = Arsenic Identified Below RIDEM Method 1 R- and I/C-DEC of 7 mg/kg  
 (##) = Arsenic Identified Above RIDEM Method 1 R- and I/C-DEC of 7 mg/kg

0 115 230 460 Feet

Data Provided by RIGIS  
 Orthoimagery provided by [nearmap.com](http://nearmap.com)

### Site Plan

500 Veterans Memorial Parkway  
 East Providence, Rhode Island

Date: 02/03/2025

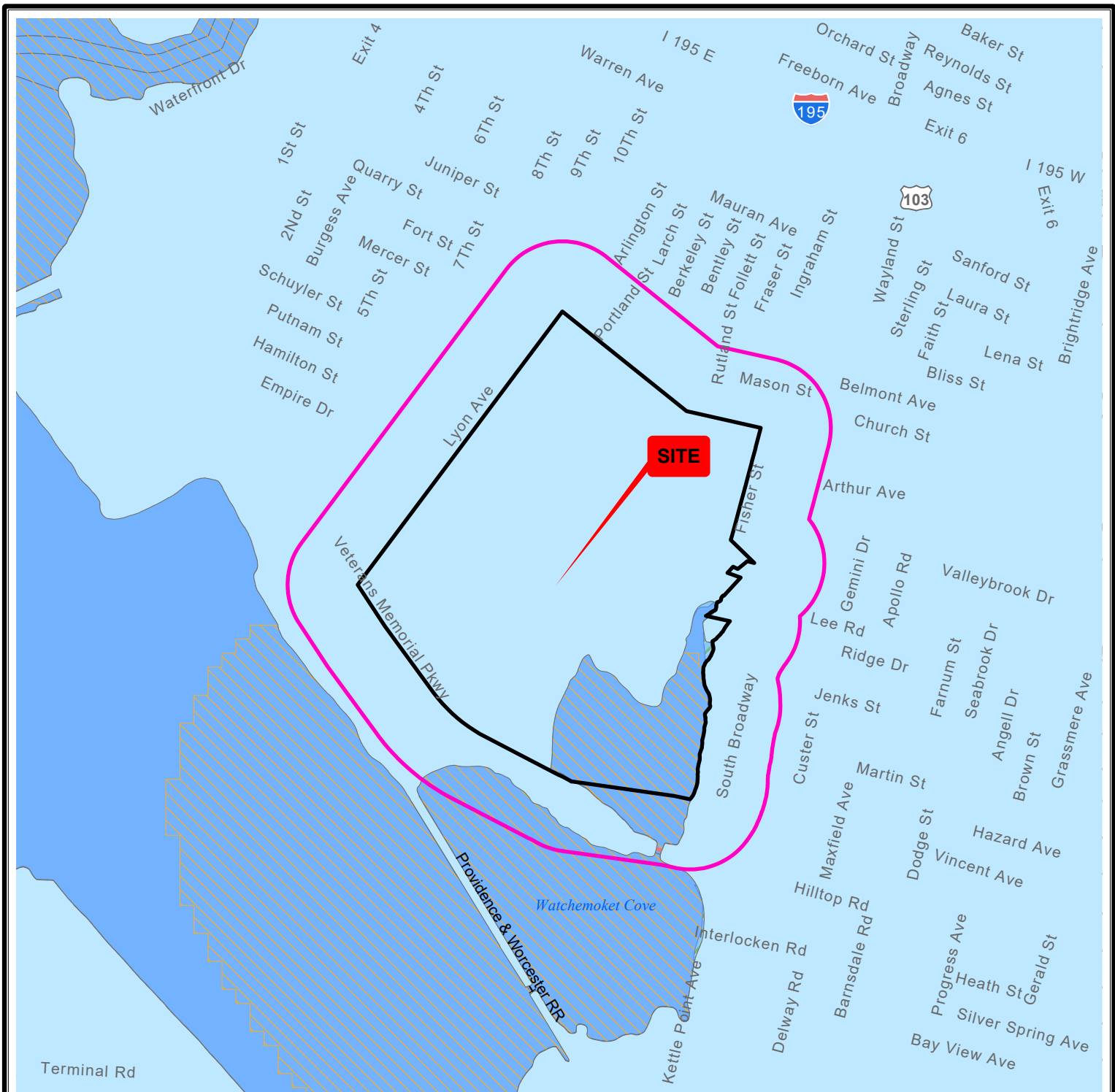
Project #: M1266

Created By: JPL

**Figure 2**



IMPORTANT DISCLOSURE: This plan is for illustrative purposes only. It may not be relied upon for any purpose. Neither SAGE Environmental, Inc. nor its agents or representatives makes any representations or warranties as to the accuracy, suitability or completeness of the information on the plan or whether the plan complies with any laws. This plan does not address specific site conditions. It has not been reviewed or approved by, without limitation, any engineering, legal or building or zoning officials. SAGE Environmental, Inc. disclaims any and all liability with respect to this plan and the contents thereof.



## Groundwater Classification & Priority Resources Map

500 Veterans Memorial Parkway  
East Providence, Rhode Island

- |                                     |                                    |
|-------------------------------------|------------------------------------|
| Approximate Site Boundary           | Emergent Wetland: Marsh/Wet Meadow |
| 500' Radius                         | Estuarine Emergent Wetland         |
| Rivers and Streams                  | Estuarine Scrub-Shrub Wetland      |
| Railroad                            | Forested Wetland: Coniferous       |
| Natural Heritage Areas              | Forested Wetland: Dead             |
| Lakes and Ponds                     | Forested Wetland: Deciduous        |
| <b>Groundwater Quality Standard</b> | Scrub-Shrub Swamp                  |
| GA                                  | Scrub-Shrub Wetland: Shrub Fen     |
| GAA                                 |                                    |
| GB                                  |                                    |
| GC                                  |                                    |
| <b>Wetland Type</b>                 |                                    |
| Emergent Wetland: Emergent Fen      |                                    |



Site Location

Date: 01/03/2025

Project #: M1266

Created By: AK



0 275 550 1,100 1,650 2,200 Feet

**Figure 3**



# **TABLES**

**Table 2**  
**Detected Soil Analytical Results Summary**  
**500 Veterans Memorial Parkway**  
**East Providence, Rhode Island**

Sample ID (Depth (Feet))/Date	SE-101 (10-14)	SE-101 (0-15') COMP	SE-102 (10-14)	SE-102 (0-15') COMP	SE-103 (5-8)	SE-103 (0-10') COMP	SE-104 (0-3)	SE-104 (0-3') COMP	SE-105 (5-9)	SE-105 (0-10') COMP	SE-106 (5-8)	SE-106 (0-10') COMP	SE-107 (5-8')	SE-107 (0-10) COMP	RIDEM Method 1	RIDEM Method 1	RIDEM Method 1
	01/13/2025	01/13/2025	01/13/2025	01/13/2025	01/13/2025	01/13/2025	01/13/2025	01/13/2025	01/13/2025	01/13/2025	01/13/2025	01/13/2025	01/14/2025	01/14/2025	Residential Direct	Industrial/Commercial	GB Leachability
Analyte	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Exposure Criteria	Direct Exposure Criteria	Criteria
<b>Miscellaneous/Inorganics</b>																	
Percent Solid (%)	93	92	95	95	96	95	94	94	95	90	95	94	96	95	NE	NE	NE
Volatile Organic Compounds (VOCs) (mg/kg)	<RL	NA	<RL	NA	<RL	NA	<RL	NA	<RL	NA	<RL	NA	<RL	NA	Various	Various	Various
<b>Metals Total (mg/kg)</b>																	
Arsenic	NA	4.91	NA	4.4	NA	3.17	NA	3.91	NA	4.75	NA	1.57	NA	9.74	7	7	NE
Beryllium	NA	0.37	NA	0.34	NA	<0.27	NA	<0.30	NA	0.33	NA	<0.28	NA	0.59	1.5	1.5	NE
Cadmium	NA	<0.32	NA	<0.32	NA	<0.33	NA	<0.38	NA	<0.39	NA	<0.35	NA	<0.34	39	1000	NE
Chromium	NA	12.1	NA	10.5	NA	6.32	NA	7.73	NA	10.3	NA	6.36	NA	17.1	390	10,000	NE
Copper	NA	11	NA	10.4	NA	4.9	NA	4.6	NA	9.7	NA	3.7	NA	19.1	3100	10000	NE
Lead	NA	14.2	NA	7.18	NA	8.36	NA	3.86	NA	5.6	NA	11.9	NA	11.2	150	500	NE
Mercury	NA	0.475	NA	<0.21	NA	<0.21	NA	<0.21	NA	<0.22	NA	0.27	NA	<0.21	23	610	NE
Nickel	NA	11.2	NA	11.7	NA	3.27	NA	7.74	NA	10.1	NA	3.34	NA	19.6	1000	10000	NE
Zinc	NA	30.4	NA	30.6	NA	15	NA	16.1	NA	24	NA	16.1	NA	49.1	6000	10000	NE
<b>Chlorinated Herbicides (mg/kg)</b>																	
Chlorinated Herbicides (mg/kg)	NA	<RL	NA	<RL	NA	<RL	NA	<RL	NA	<RL	NA	<RL	NA	<RL	NE	NE	NE
<b>Pesticides (mg/kg)</b>																	
4,4'-DDE	NA	<0.071	NA	<0.0069	NA	<0.0069	NA	<0.0069	NA	<0.0074	NA	<0.007	NA	<0.0069	NE	NE	NE
4,4'-DDT	NA	2	NA	<0.0069	NA	<0.0069	NA	<0.0069	NA	<0.0074	NA	<0.007	NA	<0.0069	NE	NE	NE
Chlordane	NA	<0.35	NA	<0.034	NA	0.099	NA	<0.034	NA	<0.037	NA	<0.035	NA	<0.035	0.5	4.4	NE

Result Detected

Result Exceeds Criteria

<x: Indicates analyte concentration not detected at or above specified laboratory reporting limit (x)

NE: Standard not established for this substance

NA: Not Analyzed

Sample ID (Depth (Feet))/Date	SE-108 (5-8.5')	SE-108 (0-20) COMP	SE-109 (10-14')	SE-109 (0-15) COMP	SE-110 (0-3')	SE-110 (0-5') COMP	SE-111 (10-13')	SE-111 (0-15') COMP	SE-112 (5-8')	SE-112 (0-20') COMP	SE-113 (10-13)	SE-113 (0-15') COMP	SE-114 (10-13.5)	SE-114 (0-15') COMP	RIDEM Method 1	RIDEM Method 1	RIDEM Method 1
	01/14/2025	01/14/2025	01/14/2025	01/14/2025	01/14/2025	01/14/2025	01/14/2025	01/14/2025	01/14/2025	01/14/2025	01/13/2025	01/13/2025	01/13/2025	01/13/2025	Residential Direct	Industrial/Commercial	GB Leachability
Analyte	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Exposure Criteria	Direct Exposure Criteria	Criteria
<b>Miscellaneous/Inorganics</b>																	
Percent Solid (%)	95	94	97	95	90	89	97	94	97	95	96	95	97	95	NE	NE	NE
Volatile Organic Compounds (VOCs) (mg/kg)	<RL	NA	<RL	NA	<RL	NA	<RL	NA	<RL	NA	<RL	NA	<RL	NA	Various	Various	Various
<b>Metals Total (mg/kg)</b>																	
Arsenic	NA	8.81	NA	6.33	NA	10.5	NA	7.25	NA	5.51	NA	7.89	NA	5.01	7	7	NE
Beryllium	NA	0.65	NA	0.54	NA	0.82	NA	0.5	NA	0.44	NA	0.53	NA	0.53	1.5	1.5	NE
Cadmium	NA	<0.33	NA	<0.35	NA	0.41	NA	<0.34	NA	<0.32	NA	<0.37	NA	<0.36	39	1000	NE
Chromium	NA	17.6	NA	13.8	NA	21.6	NA	13	NA	14.2	NA	16.5	NA	11.2	390	10,000	NE
Copper	NA	21	NA	17	NA	27.5	NA	16.9	NA	13.6	NA	17.1	NA	11.7	3100	10000	NE
Lead	NA	11.1	NA	8.73	NA	20.5	NA	11.8	NA	9.56	NA	12.8	NA	8.54	150	500	NE
Mercury	NA	<0.21	NA	<0.21	NA	<0.22	NA	<0.21	NA	<0.21	NA	<0.21	NA	<0.21	23	610	NE
Nickel	NA	20.7	NA	14.4	NA	25.8	NA	15.7	NA	18.4	NA	17.9	NA	13.5	1000	10000	NE
Zinc	NA	50.8	NA	34.6	NA	65.3	NA	40	NA	44	NA	48.3	NA	36	6000	10000	NE
<b>Chlorinated Herbicides (mg/kg)</b>																	
Chlorinated Herbicides (mg/kg)	NA	<RL	NA	<RL	NA	<RL	NA	<RL	NA	<RL	NA	<RL	NA	<RL	NE	NE	NE
<b>Pesticides (mg/kg)</b>																	
4,4'-DDE	NA	<0.0069	NA	<0.0069	NA	0.046	NA	0.015	NA	<0.0069	NA	0.02	NA	<0.0068	NE	NE	NE
4,4'-DDT	NA	<0.0069	NA	<0.0069	NA	0.025	NA	<0.0071	NA	<0.0069	NA	0.015	NA	<0.0068	NE	NE	NE
Chlordane	NA	<0.034	NA	<0.034	NA	<0.037	NA	<0.05	NA	<0.034	NA	0.044	NA	<0.034	0.5	4.4	NE

Result Detected

Result Exceeds Criteria

<x: Indicates analyte concentration not detected at or above specified laboratory reporting limit (x)

NE: Standard not established for this substance

NA: Not Analyzed

# **ATTACHMENT 1**



# SOIL BORING/MONITORING WELL LOG: SE-101

PROJECT NUMBER: L5247468

DRILL METHOD: Direct Push

DRILLING DATE: 01/13/2025

SAMPLE METHOD: 5' Macrocore

LOGGED BY: Becky Raymond

BORING TOTAL DEPTH: 15'

DRILLED BY: Sage EnviroTech Drilling Services, Inc.

BORING REFUSAL: No

WEATHER CONDITIONS: 30F Sunny

GW ENCOUNTERED: No

SCREENING EQUIPMENT: PID 2

BORING/MW DIAMETER: Not applicable

DRILLING RIG: 7822 DT Track Rig

LENGTH OF RISER: Not applicable

LENGTH OF SCREEN: Not applicable

DEPTH (FEET BSG)	DRIVE INTERVAL (FEET BSG)	INCHES RECOVERY	SAMPLE INTERVAL (FEET BSG)	PID (PPMV)	MATERIAL DESCRIPTION <small>(MOISTURE CONTENT, COLOR, DENSITY, CLASSIFICATION, NOTES)</small>	LITHOLOGY GRAPHIC LOG	DTW (FEET BSG)	WELL CONSTRUCTION (VISUAL)	WELL CONSTRUCTION (DEPTH INTERVALS (BSG))
0								<b>No Well</b>	<b>No Well</b>
1			0-2	0.4	(0'-2') Light brown, dry, medium density, well graded, gravelly sands, little or no fines, with rocks.				
2	0-5	24							
3			2-5	NR	(2'-5') No recovery.				
4									
5									
6			5-8	0.5	(5'-6') Light brown, dry, medium density, well graded, gravelly sands, little or no fines, with rocks.				
7	5-10	36							
8			6-8		(6'-8') Light gray, dry, medium density, well graded, gravelly sands, little or no fines.				
9			8-10	NR	(8'-10') No recovery.				
10									
11									
12	10-15	48	10-14	1.4	(10'-14') Light gray, dry, very dense, well graded, gravelly sands, little or no fines.				
13									
14			14-15	NR	(14'-15') No recovery. End of soil sampling and boring at 15' BSG.				
15									

COMMENTS:  
THIS BORE LOG IS INTENDED FOR ENVIRONMENTAL NOT GEOTECHNICAL PURPOSES.  
NS: Not Sampled; NR: No Recovery; BSG: Below Surface Grade



# SOIL BORING/MONITORING WELL LOG: SE-102(MW)

PROJECT NUMBER: L5247468

DRILL METHOD: Direct Push

DRILLING DATE: 01/13/2025

SAMPLE METHOD: 5' Macrocore

LOGGED BY: Becky Raymond

BORING TOTAL DEPTH: 25'

DRILLED BY: Sage EnviroTech Drilling Services, Inc.

BORING REFUSAL: No

WEATHER CONDITIONS: 30F Sunny

GW ENCOUNTERED: Yes

SCREENING EQUIPMENT: PID 2

BORING/MW DIAMETER: 1"

DRILLING RIG: 7822 DT Track Rig

LENGTH OF RISER: 15'

LENGTH OF SCREEN: 10'

DEPTH (FEET BSG)	DRIVE INTERVAL (FEET BSG)	INCHES RECOVERY	SAMPLE INTERVAL (FEET BSG)	PID (PPMV)	MATERIAL DESCRIPTION <small>(MOISTURE CONTENT, COLOR, DENSITY, CLASSIFICATION, NOTES)</small>	LITHOLOGY GRAPHIC LOG	DTW (FEET BSG)	WELL CONSTRUCTION (VISUAL)	WELL CONSTRUCTION (DEPTH INTERVALS (BSG))
0									
1			0-2	0.3	(0'-2') Brown, dry, medium density, poorly graded, gravelly sands, little or no fines, with rocks.				
2	0-5	24							
3			2-5	NR	(2'-5') No recovery.				
4									
5	5-10	36							
6			5-8	0.2	(5'-8') Brown, dry, soft, poorly graded, gravelly sands, little or no fines, with rocks.				Filter Pack
7									
8			8-10	NR	(8'-10') No recovery.				
9									
10	10-15	48							
11			10-14	0.4	(10'-14') Brown, dry, soft, poorly graded, gravelly sands, little or no fines, with rocks.				
12									
13			14-15	NR	(14'-15') No recovery. End of soil sampling at 15' BSG.				
14									
15	15-25	NS	15-25	NS	(15'-25') Not sampled. End of boring and well installed at 25' BSG.		17' ▼		Filter Pack
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									

COMMENTS:  
THIS BORE LOG IS INTENDED FOR ENVIRONMENTAL NOT GEOTECHNICAL PURPOSES.  
NS: Not Sampled; NR: No Recovery; BSG: Below Surface Grade



# SOIL BORING/MONITORING WELL LOG: SE-103

PROJECT NUMBER: L5247468

DRILL METHOD: Direct Push

DRILLING DATE: 01/13/2025

SAMPLE METHOD: 5' Macrocore

LOGGED BY: Becky Raymond

BORING TOTAL DEPTH: 10'

DRILLED BY: Sage EnviroTech Drilling Services, Inc.

BORING REFUSAL: No

WEATHER CONDITIONS: 30F Sunny

GW ENCOUNTERED: No

SCREENING EQUIPMENT: PID 2

BORING/MW DIAMETER: Not applicable

DRILLING RIG: 7822 DT Track Rig

LENGTH OF RISER: Not applicable

LENGTH OF SCREEN: Not applicable

DEPTH (FEET BSG)	DRIVE INTERVAL (FEET BSG)	INCHES RECOVERY	SAMPLE INTERVAL (FEET BSG)	PID (PPMV)	MATERIAL DESCRIPTION <small>(MOISTURE CONTENT, COLOR, DENSITY, CLASSIFICATION, NOTES)</small>	LITHOLOGY GRAPHIC LOG	DTW (FEET BSG)	WELL CONSTRUCTION (VISUAL)	WELL CONSTRUCTION (DEPTH INTERVALS (BSG))
0					(0'-1') Dark brown, dry, medium density, topsoil, sand-silt mixtures.			No Well	No Well
1			0-3	0.3	(1'-3') Light brown, dry, soft, well graded, gravelly sands, little or no fines.				
2	0-5	36							
3					(3'-5') No recovery.				
4			3-5	NR					
5					(5'-8') Light brown, dry, soft, well graded, gravelly sands, little or no fines.				
6			5-8	0.4					
7	5-10	36			(8'-10') No recovery. End of soil sampling and boring at 10' BSG.				
8									
9			8-10	NR					
10									

COMMENTS:  
THIS BORE LOG IS INTENDED FOR ENVIRONMENTAL NOT GEOTECHNICAL PURPOSES.  
NS: Not Sampled; NR: No Recovery; BSG: Below Surface Grade



# SOIL BORING/MONITORING WELL LOG: SE-104

PROJECT NUMBER: L5247468

DRILL METHOD: Direct Push

DRILLING DATE: 01/13/2025

SAMPLE METHOD: 5' Macrocore

LOGGED BY: Becky Raymond

BORING TOTAL DEPTH: 5'

DRILLED BY: Sage EnviroTech Drilling Services, Inc.

BORING REFUSAL: No

WEATHER CONDITIONS: 30F Sunny

GW ENCOUNTERED: No

SCREENING EQUIPMENT: PID 2

BORING/MW DIAMETER: Not applicable

DRILLING RIG: 7822 DT Track Rig

LENGTH OF RISER: Not applicable

LENGTH OF SCREEN: Not applicable

DEPTH (FEET BSG)	DRIVE INTERVAL (FEET BSG)	INCHES RECOVERY	SAMPLE INTERVAL (FEET BSG)	PID (PPMV)	MATERIAL DESCRIPTION <small>(MOISTURE CONTENT, COLOR, DENSITY, CLASSIFICATION, NOTES)</small>	LITHOLOGY GRAPHIC LOG	DTW (FEET BSG)	WELL CONSTRUCTION (VISUAL)	WELL CONSTRUCTION (DEPTH INTERVALS (BSG))
0					(0'-1') Dark brown, dry, topsoil, sand-silt mixtures.			No Well	No Well
1			0-3	0.3	(1'-3') Light brown, dry, well graded, gravelly sands, little or no fines.				
2	0-5	36							
3					(3'-5') No recovery. End of soil sampling and boring at 5' BSG.				
4			3-5	NR					
5									

COMMENTS:  
THIS BORE LOG IS INTENDED FOR ENVIRONMENTAL NOT GEOTECHNICAL PURPOSES.  
NS: Not Sampled; NR: No Recovery; BSG: Below Surface Grade



# SOIL BORING/MONITORING WELL LOG: SE-105

PROJECT NUMBER: L5247468

DRILL METHOD: Direct Push

DRILLING DATE: 01/13/2025

SAMPLE METHOD: 5' Macrocore

LOGGED BY: Becky Raymond

BORING TOTAL DEPTH: 10'

DRILLED BY: Sage EnviroTech Drilling Services, Inc.

BORING REFUSAL: No

WEATHER CONDITIONS: 30F Sunny

GW ENCOUNTERED: No

SCREENING EQUIPMENT: PID 2

BORING/MW DIAMETER: Not applicable

DRILLING RIG: 7822 DT Track Rig

LENGTH OF RISER: Not applicable

LENGTH OF SCREEN: Not applicable

DEPTH (FEET BSG)	DRIVE INTERVAL (FEET BSG)	INCHES RECOVERY	SAMPLE INTERVAL (FEET BSG)	PID (PPMV)	MATERIAL DESCRIPTION <small>(MOISTURE CONTENT, COLOR, DENSITY, CLASSIFICATION, NOTES)</small>	LITHOLOGY GRAPHIC LOG	DTW (FEET BSG)	WELL CONSTRUCTION (VISUAL)	WELL CONSTRUCTION (DEPTH INTERVALS (BSG))
0					(0'-1') Crushed asphalt.			No Well	No Well
1			0-3	0.4	(1'-3') Light brown, dry, soft, well graded, gravelly sands, little or no fines.				
2	0-5	36							
3					(3'-5') No recovery.				
4			3-5	NR					
5					(5'-9') Light brown, dry, soft, well graded, gravelly sands, little or no fines.				
6									
7	5-10	48	5-9	0.5					
8					(9'-10') No recovery. End of soil sampling and boring at 10' BSG.				
9			9-10	NR					
10									

COMMENTS:  
THIS BORE LOG IS INTENDED FOR ENVIRONMENTAL NOT GEOTECHNICAL PURPOSES.  
NS: Not Sampled; NR: No Recovery; BSG: Below Surface Grade



# SOIL BORING/MONITORING WELL LOG: SE-106(MW)

PROJECT NUMBER: L5247468

DRILL METHOD: Direct Push

DRILLING DATE: 01/13/2025

SAMPLE METHOD: 5' Macrocore

LOGGED BY: Becky Raymond

BORING TOTAL DEPTH: 23'

DRILLED BY: Sage EnviroTech Drilling Services, Inc.

BORING REFUSAL: No

WEATHER CONDITIONS: 30F Sunny

GW ENCOUNTERED: Yes

SCREENING EQUIPMENT: PID 2

BORING/MW DIAMETER: 1"

DRILLING RIG: 7822 DT Track Rig

LENGTH OF RISER: 8'

LENGTH OF SCREEN: 15'

DEPTH (FEET BSG)	DRIVE INTERVAL (FEET BSG)	INCHES RECOVERY	SAMPLE INTERVAL (FEET BSG)	PID (PPMV)	MATERIAL DESCRIPTION <small>(MOISTURE CONTENT, COLOR, DENSITY, CLASSIFICATION, NOTES)</small>	LITHOLOGY GRAPHIC LOG	DTW (FEET BSG)	WELL CONSTRUCTION (VISUAL)	WELL CONSTRUCTION (DEPTH INTERVALS (BSG))
0					(0'-1') Dark brown, dry, topsoil, sand-silt mixtures.				
1			0-3	0.5	(1'-3') Light brown, dry, well graded, gravelly sands, little or no fines.				Filter Pack
2	0-5	36							
3			3-5	NR	(3'-5') No recovery.				
4									
5			5-8	0.6	(5'-8') Light brown, dry, well graded, gravelly sands, little or no fines.				Bentonite
6	5-10	36							
7			8-10	NR	(8'-10') No recovery. End of soil sampling at 10' BSG.				
8									
9									
10									
11									
12									
13									
14									
15									
16	10-23	NS	10-23	NS	(10'-23') Not sampled. End of boring and well installed at 23' BSG.				Filter Pack
17									
18									
19									
20									
21									
22									
23									
24									

COMMENTS:  
THIS BORE LOG IS INTENDED FOR ENVIRONMENTAL NOT GEOTECHNICAL PURPOSES.  
NS: Not Sampled; NR: No Recovery; BSG: Below Surface Grade



# SOIL BORING/MONITORING WELL LOG: SE-107

PROJECT NUMBER: L5247468

DRILL METHOD: Direct Push

DRILLING DATE: 01/13/2025

SAMPLE METHOD: 5' Macrocore

LOGGED BY: Becky Raymond

BORING TOTAL DEPTH: 10'

DRILLED BY: Sage EnviroTech Drilling Services, Inc.

BORING REFUSAL: No

WEATHER CONDITIONS: 30F Sunny

GW ENCOUNTERED: No

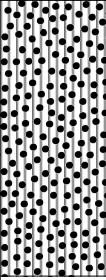
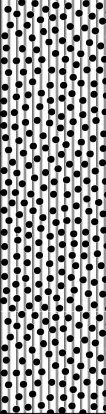
SCREENING EQUIPMENT: PID 2

BORING/MW DIAMETER: Not applicable

DRILLING RIG: 7822 DT Track Rig

LENGTH OF RISER: Not applicable

LENGTH OF SCREEN: Not applicable

DEPTH (FEET BSG)	DRIVE INTERVAL (FEET BSG)	INCHES RECOVERY	SAMPLE INTERVAL (FEET BSG)	PID (PPMV)	MATERIAL DESCRIPTION <small>(MOISTURE CONTENT, COLOR, DENSITY, CLASSIFICATION, NOTES)</small>	LITHOLOGY GRAPHIC LOG	DTW (FEET BSG)	WELL CONSTRUCTION (VISUAL)	WELL CONSTRUCTION (DEPTH INTERVALS (BSG))
0								No Well	No Well
1			0-2	0.9	(0'-2') Brown, dry, topsoil, sand-silt mixtures, with some crushed cobbles.				
2	0-5	24							
3			2-5	NR	(2'-5') No recovery.				
4									
5	5-10	36							
6			5-8	0.9	(5'-8') Brown, dry, topsoil, sand-silt mixtures, with some crushed cobbles.				
7									
8									
9			8-10	NR	(8'-10') No recovery. End of soil sampling and boring at 10' BSG.				
10									

COMMENTS:  
THIS BORE LOG IS INTENDED FOR ENVIRONMENTAL NOT GEOTECHNICAL PURPOSES.  
NS: Not Sampled; NR: No Recovery; BSG: Below Surface Grade



# SOIL BORING/MONITORING WELL LOG: SE-108

PROJECT NUMBER: L5247468

DRILL METHOD: Direct Push

DRILLING DATE: 01/13/2025

SAMPLE METHOD: 5' Macrocore

LOGGED BY: Becky Raymond

BORING TOTAL DEPTH: 20'

DRILLED BY: Sage EnviroTech Drilling Services, Inc.

BORING REFUSAL: No

WEATHER CONDITIONS: 30F Sunny

GW ENCOUNTERED: No

SCREENING EQUIPMENT: PID 2

BORING/MW DIAMETER: Not applicable

DRILLING RIG: 7822 DT Track Rig

LENGTH OF RISER: Not applicable

LENGTH OF SCREEN: Not applicable

DEPTH (FEET BSG)	DRIVE INTERVAL (FEET BSG)	INCHES RECOVERY	SAMPLE INTERVAL (FEET BSG)	PID (PPMV)	MATERIAL DESCRIPTION <small>(MOISTURE CONTENT, COLOR, DENSITY, CLASSIFICATION, NOTES)</small>	LITHOLOGY GRAPHIC LOG	DTW (FEET BSG)	WELL CONSTRUCTION (VISUAL)	WELL CONSTRUCTION (DEPTH INTERVALS (BSG))
0								<b>No Well</b>	<b>No Well</b>
1			0-2	0.5	(0'-2') Gray, dry, very dense, poorly graded, gravelly sands, little or no fines, with crushed rocks.				
2	0-5	24							
3			2-5	NR	(2'-5') No recovery.				
4									
5	5-10	42							
6			5-8.5	0.7	(5'-8.5') Gray, dry, very dense, poorly graded, gravelly sands, little or no fines, with crushed rocks.				
7			8.5-10	NR	(8.5'-10') No recovery.				
8									
9									
10	10-15	48							
11			10-14	0.6	(10'-14') Gray, dry, very dense, poorly graded, gravelly sands, little or no fines, with crushed rocks.				
12			14-15	NR	(14'-15') No recovery.				
13									
14									
15	15-20	24							
16			15-17	0.3	(15'-17') Gray, dry, very dense, poorly graded, gravelly sands, little or no fines, with crushed rocks.				
17			17-20	NR	(17'-20') No recovery. End of soil sampling and boring at 20' BSG.				
18									
19									
20									

COMMENTS:  
THIS BORE LOG IS INTENDED FOR ENVIRONMENTAL NOT GEOTECHNICAL PURPOSES.  
NS: Not Sampled; NR: No Recovery; BSG: Below Surface Grade



# SOIL BORING/MONITORING WELL LOG: SE-109(MW)

PROJECT NUMBER: L5247468

DRILL METHOD: Direct Push

DRILLING DATE: 01/13/2025

SAMPLE METHOD: 5' Macrocore

LOGGED BY: Becky Raymond

BORING TOTAL DEPTH: 25'

DRILLED BY: Sage EnviroTech Drilling Services, Inc.

BORING REFUSAL: No

WEATHER CONDITIONS: 30F Sunny

GW ENCOUNTERED: Yes

SCREENING EQUIPMENT: PID 2

BORING/MW DIAMETER: 1"

DRILLING RIG: 7822 DT Track Rig

LENGTH OF RISER: 15'

LENGTH OF SCREEN: 10'

DEPTH (FEET BSG)	DRIVE INTERVAL (FEET BSG)	INCHES RECOVERY	SAMPLE INTERVAL (FEET BSG)	PID (PPMV)	MATERIAL DESCRIPTION <small>(MOISTURE CONTENT, COLOR, DENSITY, CLASSIFICATION, NOTES)</small>	LITHOLOGY GRAPHIC LOG	DTW (FEET BSG)	WELL CONSTRUCTION (VISUAL)	WELL CONSTRUCTION (DEPTH INTERVALS (BSG))
0									
1			0-2	0.1	(0'-2') Brown, dry, topsoil, sand-silt mixtures, with some broken cobbles.				
2	0-5	24							
3			2-5	NR	(2'-5') No recovery.				
4									
5	5-10	36							
6			5-8	0.5	(5'-8') Gray, dry, poorly graded, gravelly sands, little or no fines.				Filter Pack
7			8-10	NR	(8'-10') No recovery.				
8									
9									
10	10-15	48							
11			10-14	0.7	(10'-12') Gray, dry, poorly graded, gravelly sands, little or no fines.				
12			12-14		(12'-14') Gray, dry, soft, poorly graded, gravelly sands, fine sand.				Bentonite
13									
14			14-15	NR	(14'-15') No recovery. End of soil sampling at 15' BSG.				
15									
16	15-25	NS	15-25	NS	(15'-25') Not sampled. End of boring and well installed at 25' BSG.		18' ▼		Filter Pack
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									

COMMENTS:  
THIS BORE LOG IS INTENDED FOR ENVIRONMENTAL NOT GEOTECHNICAL PURPOSES.  
NS: Not Sampled; NR: No Recovery; BSG: Below Surface Grade



# SOIL BORING/MONITORING WELL LOG: SE-110

PROJECT NUMBER: L5247468

DRILL METHOD: Direct Push

DRILLING DATE: 01/13/2025

SAMPLE METHOD: 5' Macrocore

LOGGED BY: Becky Raymond

BORING TOTAL DEPTH: 5'

DRILLED BY: Sage EnviroTech Drilling Services, Inc.

BORING REFUSAL: No

WEATHER CONDITIONS: 30F Sunny

GW ENCOUNTERED: No

SCREENING EQUIPMENT: PID 2

BORING/MW DIAMETER: Not applicable

DRILLING RIG: 7822 DT Track Rig

LENGTH OF RISER: Not applicable

LENGTH OF SCREEN: Not applicable

DEPTH (FEET BSG)	DRIVE INTERVAL (FEET BSG)	INCHES RECOVERY	SAMPLE INTERVAL (FEET BSG)	PID (PPMV)	MATERIAL DESCRIPTION <small>(MOISTURE CONTENT, COLOR, DENSITY, CLASSIFICATION, NOTES)</small>	LITHOLOGY GRAPHIC LOG	DTW (FEET BSG)	WELL CONSTRUCTION (VISUAL)	WELL CONSTRUCTION (DEPTH INTERVALS (BSG))
0								No Well	No Well
1			0-3	0.6	(0'-3') Brown, dry, topsoil, sand-silt mixtures, with broken rocks.				
2	0-5	36							
3									
4			3-5	NR	(3'-5') No recovery. End of soil sampling and boring at 5' BSG.				
5									

COMMENTS:  
THIS BORE LOG IS INTENDED FOR ENVIRONMENTAL NOT GEOTECHNICAL PURPOSES.  
NS: Not Sampled; NR: No Recovery; BSG: Below Surface Grade



# SOIL BORING/MONITORING WELL LOG: SE-111

PROJECT NUMBER: L5247468

DRILL METHOD: Direct Push

DRILLING DATE: 01/13/2025

SAMPLE METHOD: 5' Macrocore

LOGGED BY: Becky Raymond

BORING TOTAL DEPTH: 15'

DRILLED BY: Sage EnviroTech Drilling Services, Inc.

BORING REFUSAL: No

WEATHER CONDITIONS: 30F Sunny

GW ENCOUNTERED: No

SCREENING EQUIPMENT: PID 2

BORING/MW DIAMETER: Not applicable

DRILLING RIG: 7822 DT Track Rig

LENGTH OF RISER: Not applicable

LENGTH OF SCREEN: Not applicable

DEPTH (FEET BSG)	DRIVE INTERVAL (FEET BSG)	INCHES RECOVERY	SAMPLE INTERVAL (FEET BSG)	PID (PPMV)	MATERIAL DESCRIPTION <small>(MOISTURE CONTENT, COLOR, DENSITY, CLASSIFICATION, NOTES)</small>	LITHOLOGY GRAPHIC LOG	DTW (FEET BSG)	WELL CONSTRUCTION (VISUAL)	WELL CONSTRUCTION (DEPTH INTERVALS (BSG))
0								<b>No Well</b>	<b>No Well</b>
1			0-2	0	(0'-2') Light brown, dry, topsoil, sand-silt mixtures, with broken rocks.				
2	0-5	24							
3			2-5	NR	(2'-5') No recovery.				
4									
5								<b>No Well</b>	<b>No Well</b>
6			5-8	0	(5'-8') Light gray/brown, dry, dense, poorly graded, gravelly sands, little or no fines.				
7	5-10	36							
8								<b>No Well</b>	<b>No Well</b>
9			8-10	NR	(8'-10') No recovery.				
10								<b>No Well</b>	<b>No Well</b>
11			10-13	0	(10'-13') Light gray/brown, dry, dense, poorly graded, gravelly sands, little or no fines.				
12	10-15	36							
13								<b>No Well</b>	<b>No Well</b>
14			13-15	NR	(13'-15') No recovery. End of soil sampling and boring at 15' BSG.				
15									

COMMENTS:  
THIS BORE LOG IS INTENDED FOR ENVIRONMENTAL NOT GEOTECHNICAL PURPOSES.  
NS: Not Sampled; NR: No Recovery; BSG: Below Surface Grade



# SOIL BORING/MONITORING WELL LOG: SE-112(MW)

PROJECT NUMBER: L5247468

DRILL METHOD: Direct Push

DRILLING DATE: 01/13/2025

SAMPLE METHOD: 5' Macrocore

LOGGED BY: Becky Raymond

BORING TOTAL DEPTH: 30'

DRILLED BY: Sage EnviroTech Drilling Services, Inc.

BORING REFUSAL: No

WEATHER CONDITIONS: 30F Sunny

GW ENCOUNTERED: Yes

SCREENING EQUIPMENT: PID 2

BORING/MW DIAMETER: 1"

DRILLING RIG: 7822 DT Track Rig

LENGTH OF RISER: 15'

LENGTH OF SCREEN: 15'

DEPTH (FEET BSG)	DRIVE INTERVAL (FEET BSG)	INCHES RECOVERY	SAMPLE INTERVAL (FEET BSG)	PID (PPMV)	MATERIAL DESCRIPTION <small>(MOISTURE CONTENT, COLOR, DENSITY, CLASSIFICATION, NOTES)</small>	LITHOLOGY GRAPHIC LOG	DTW (FEET BSG)	WELL CONSTRUCTION (VISUAL)	WELL CONSTRUCTION (DEPTH INTERVALS (BSG))	
0			0-2	1.1	(0'-2') Dark brown, dry, sand-silt mixtures, with urban fill material consisting of rocks.					
1	0-5	24	2-5	NR	(2'-5') No recovery.					
2										
3	5-10	36	5-8	1.3	(5'-8') Light gray, dry, poorly graded, gravelly sands, little or no fines, with broken cobbles.				Filter Pack	
4										
5					8-10	NR	(8'-10') No recovery.			
6	10-15	36	10-11	1.1	(10'-11') Light gray, dry, poorly graded, gravelly sands, little or no fines, with broken cobbles.				Bentonite	
7										
8					10-13		(11'-13') Light gray, dry, well graded, gravelly sands, little or no fines.			
9					13-15	NR	(13'-15') No recovery.			
10	15-20	48	15-19	1.2	(15'-19') Light gray, dry, well graded, gravelly sands, little or no fines.				Filter Pack	
11										
12					19-20	NR	(19'-20') No recovery.			
13	20-30	NR	20-30	NR	(20'-30') No recovery and end of soil sampling. Boring and well installed at 30' BSG.		22' ▼		Filter Pack	
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

COMMENTS:  
THIS BORE LOG IS INTENDED FOR ENVIRONMENTAL NOT GEOTECHNICAL PURPOSES.  
NS: Not Sampled; NR: No Recovery; BSG: Below Surface Grade



# SOIL BORING/MONITORING WELL LOG: SE-113

PROJECT NUMBER: L5247468

DRILL METHOD: Direct Push

DRILLING DATE: 01/13/2025

SAMPLE METHOD: 5' Macrocore

LOGGED BY: Becky Raymond

BORING TOTAL DEPTH: 15'

DRILLED BY: Sage EnviroTech Drilling Services, Inc.

BORING REFUSAL: No

WEATHER CONDITIONS: 30F Sunny

GW ENCOUNTERED: Yes

SCREENING EQUIPMENT: PID 2

BORING/MW DIAMETER: Not applicable

DRILLING RIG: 7822 DT Track Rig

LENGTH OF RISER: Not applicable

LENGTH OF SCREEN: Not applicable

DEPTH (FEET BSG)	DRIVE INTERVAL (FEET BSG)	INCHES RECOVERY	SAMPLE INTERVAL (FEET BSG)	PID (PPMV)	MATERIAL DESCRIPTION <small>(MOISTURE CONTENT, COLOR, DENSITY, CLASSIFICATION, NOTES)</small>	LITHOLOGY GRAPHIC LOG	DTW (FEET BSG)	WELL CONSTRUCTION (VISUAL)	WELL CONSTRUCTION (DEPTH INTERVALS (BSG))
0					(0'-0.5') Dark brown, wet, medium density, topsoil, sand-silt mixtures.			No Well	No Well
1			0-2	0.3	(0.5'-1.5') Dark brown, dry, sand-silt mixtures.				
2					(1.5'-2') Gray, dry, well graded, gravelly sands, little or no fines.				
3	0-5	24							
4			2-5	NR	(2'-5') No recovery.				
5									
6									
7	5-10	48	5-9	0.6	(5'-9') Gray, dry, well graded, gravelly sands, little or no fines.				
8									
9			9-10	NR	(9'-10') No recovery.				
10									
11									
12	10-15	36	10-13	0.7	(10'-13') Gray, dry, well graded, gravelly sands, little or no fines.				
13									
14			13-15	NR	(13'-15') No recovery. End of soil sampling and boring at 15' BSG.				
15									

COMMENTS:  
THIS BORE LOG IS INTENDED FOR ENVIRONMENTAL NOT GEOTECHNICAL PURPOSES.  
NS: Not Sampled; NR: No Recovery; BSG: Below Surface Grade



# SOIL BORING/MONITORING WELL LOG: SE-114

PROJECT NUMBER: L5247468

DRILL METHOD: Direct Push

DRILLING DATE: 01/13/2025

SAMPLE METHOD: 5' Macrocore

LOGGED BY: Becky Raymond

BORING TOTAL DEPTH: 15'

DRILLED BY: Sage EnviroTech Drilling Services, Inc.

BORING REFUSAL: No

WEATHER CONDITIONS: 30F Sunny

GW ENCOUNTERED: Yes

SCREENING EQUIPMENT: PID 2

BORING/MW DIAMETER: Not applicable

DRILLING RIG: 7822 DT Track Rig

LENGTH OF RISER: Not applicable

LENGTH OF SCREEN: Not applicable

DEPTH (FEET BSG)	DRIVE INTERVAL (FEET BSG)	INCHES RECOVERY	SAMPLE INTERVAL (FEET BSG)	PID (PPMV)	MATERIAL DESCRIPTION <small>(MOISTURE CONTENT, COLOR, DENSITY, CLASSIFICATION, NOTES)</small>	LITHOLOGY GRAPHIC LOG	DTW (FEET BSG)	WELL CONSTRUCTION (VISUAL)	WELL CONSTRUCTION (DEPTH INTERVALS (BSG))
0								No Well	No Well
1			0-2	0.7	(0'-2') Dark brown, dry, medium density, topsoil, sand-silt mixtures.				
2	0-5	24							
3			2-5	NR	(2'-5') No recovery.				
4									
5									
6					(5'-6') Dark brown, dry, medium density, topsoil, sand-silt mixtures.				
7	5-10	36	5-8	0.8	(6'-8') Light gray, dry, soft, well graded, gravelly sands, little or no fines.				
8									
9			8-10	NR	(8'-10') No recovery.				
10									
11									
12	10-15	42	10-13.5	1	(10'-13.5') Light gray, dry, soft, well graded, gravelly sands, little or no fines.				
13									
14			13.5-15	NR	(13.5'-15') No recovery. End of soil sampling and boring at 15' Bsg.				
15									

COMMENTS:  
THIS BORE LOG IS INTENDED FOR ENVIRONMENTAL NOT GEOTECHNICAL PURPOSES.  
NS: Not Sampled; NR: No Recovery; BSG: Below Surface Grade

## **ATTACHMENT 2**



Monday, January 20, 2025

Attn:  
Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Project ID: L5247468 500 VETERANS MEMORIAL  
SDG ID: GCS43752  
Sample ID#s: CS43752 - CS43759

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## SDG Comments

January 20, 2025

SDG I.D.: GCS43752

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### RI Leachability:

Some analytes were evaluated below the lowest calibration standard in order to meet the requested criteria. The requested criteria could not be achieved for some analytes because the limit of detection (LOD) was greater than the criteria.



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Sample Id Cross Reference

January 20, 2025

SDG I.D.: GCS43752

Project ID: L5247468 500 VETERANS MEMORIAL

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Client Id	Lab Id	Matrix	Col Date
SE-101 (10-14)	CS43752	SOIL	01/13/25 9:00
SE-102 (10-14)	CS43753	SOIL	01/13/25 10:00
SE-103 (5-8)	CS43754	SOIL	01/13/25 11:00
SE-104 (0-3)	CS43755	SOIL	01/13/25 12:00
SE-105 (5-9)	CS43756	SOIL	01/13/25 13:00
SE-106 (5-8)	CS43757	SOIL	01/13/25 14:00
SE-113 (10-13)	CS43758	SOIL	01/13/25 15:00
SE-114 (10-13.5)	CS43759	SOIL	01/13/25 16:00



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 20, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

9:00  
14:29

Laboratory Data

SDG ID: GCS43752  
Phoenix ID: CS43752

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-101 (10-14)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	93		%		01/14/25	CV	SW846-%Solid
Field Extraction	Completed				01/13/25		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.0033	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloropropene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.00054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloroethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloropropane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichloropropane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
2,2-Dichloropropane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
2-Chlorotoluene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
2-Hexanone	ND	0.027	mg/Kg	1	01/17/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
4-Chlorotoluene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.027	mg/Kg	1	01/17/25	JLI	SW8260D
Acetone	ND	0.27	mg/Kg	1	01/17/25	JLI	SW8260D
Acrylonitrile	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Benzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Bromobenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Bromochloromethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Bromodichloromethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Bromoform	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Bromomethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon Disulfide	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon tetrachloride	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Chlorobenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroform	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Chloromethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromochloromethane	ND	0.0033	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromomethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Dichlorodifluoromethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Ethylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Hexachlorobutadiene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Isopropylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
m&p-Xylene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	0.033	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Methylene chloride	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Naphthalene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
n-Butylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
n-Propylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
o-Xylene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
p-Isopropyltoluene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
sec-Butylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Styrene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
tert-Butylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrachloroethene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Toluene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Total Xylenes	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Trichloroethene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorofluoromethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Vinyl chloride	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D

**QA/QC Surrogates**

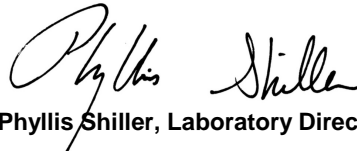
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	95		%	1	01/17/25	JLI	70 - 130 %
% Bromofluorobenzene	100		%	1	01/17/25	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	01/17/25	JLI	70 - 130 %
% Toluene-d8	91		%	1	01/17/25	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 20, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 20, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

10:00  
14:29

Laboratory Data

SDG ID: GCS43752  
Phoenix ID: CS43753

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-102 (10-14)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	95		%		01/14/25	CV	SW846-%Solid
Field Extraction	Completed				01/13/25		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.0035	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloropropene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.00059	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloroethane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloropropane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichloropropane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
2,2-Dichloropropane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
2-Chlorotoluene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
2-Hexanone	ND	0.029	mg/Kg	1	01/17/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
4-Chlorotoluene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.029	mg/Kg	1	01/17/25	JLI	SW8260D
Acetone	ND	0.29	mg/Kg	1	01/17/25	JLI	SW8260D
Acrylonitrile	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Benzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Bromobenzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Bromochloromethane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Bromodichloromethane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Bromoform	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Bromomethane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon Disulfide	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon tetrachloride	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Chlorobenzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroethane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroform	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Chloromethane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromochloromethane	ND	0.0035	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromomethane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Dichlorodifluoromethane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Ethylbenzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Hexachlorobutadiene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Isopropylbenzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
m&p-Xylene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	0.035	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.012	mg/Kg	1	01/17/25	JLI	SW8260D
Methylene chloride	ND	0.012	mg/Kg	1	01/17/25	JLI	SW8260D
Naphthalene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
n-Butylbenzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
n-Propylbenzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
o-Xylene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
p-Isopropyltoluene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
sec-Butylbenzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Styrene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
tert-Butylbenzene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrachloroethene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	0.012	mg/Kg	1	01/17/25	JLI	SW8260D
Toluene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Total Xylenes	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	0.012	mg/Kg	1	01/17/25	JLI	SW8260D
Trichloroethene	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorofluoromethane	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	0.012	mg/Kg	1	01/17/25	JLI	SW8260D
Vinyl chloride	ND	0.0059	mg/Kg	1	01/17/25	JLI	SW8260D

**QA/QC Surrogates**

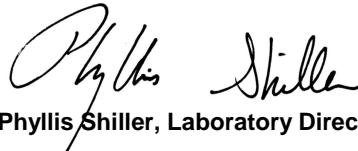
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	96		%	1	01/17/25	JLI	70 - 130 %
% Bromofluorobenzene	99		%	1	01/17/25	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	01/17/25	JLI	70 - 130 %
% Toluene-d8	91		%	1	01/17/25	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 20, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 20, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

11:00  
14:29

Laboratory Data

SDG ID: GCS43752  
Phoenix ID: CS43754

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-103 (5-8)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	96		%		01/14/25	CV	SW846-%Solid
Field Extraction	Completed				01/13/25		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.0034	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloropropene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.00056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloroethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloropropane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichloropropane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
2,2-Dichloropropane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
2-Chlorotoluene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
2-Hexanone	ND	0.028	mg/Kg	1	01/17/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
4-Chlorotoluene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	01/17/25	JLI	SW8260D
Acetone	ND	0.28	mg/Kg	1	01/17/25	JLI	SW8260D
Acrylonitrile	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Benzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Bromobenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Bromochloromethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Bromodichloromethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Bromoform	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Bromomethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon Disulfide	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon tetrachloride	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Chlorobenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroform	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Chloromethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromochloromethane	ND	0.0034	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromomethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Dichlorodifluoromethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Ethylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Hexachlorobutadiene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Isopropylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
m&p-Xylene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	0.034	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Methylene chloride	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Naphthalene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
n-Butylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
n-Propylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
o-Xylene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
p-Isopropyltoluene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
sec-Butylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Styrene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
tert-Butylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrachloroethene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Toluene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Total Xylenes	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Trichloroethene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorofluoromethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Vinyl chloride	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D

**QA/QC Surrogates**

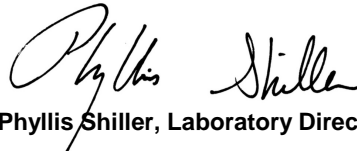
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	95		%	1	01/17/25	JLI	70 - 130 %
% Bromofluorobenzene	99		%	1	01/17/25	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	01/17/25	JLI	70 - 130 %
% Toluene-d8	91		%	1	01/17/25	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

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**Phyllis Shiller, Laboratory Director**

**January 20, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 20, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

12:00  
14:29

Laboratory Data

SDG ID: GCS43752  
Phoenix ID: CS43755

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-104 (0-3)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	94		%		01/14/25	CV	SW846-%Solid
Field Extraction	Completed				01/13/25		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.0027	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloropropene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.00045	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloroethane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloropropane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichloropropane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
2,2-Dichloropropane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
2-Chlorotoluene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
2-Hexanone	ND	0.023	mg/Kg	1	01/17/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
4-Chlorotoluene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.023	mg/Kg	1	01/17/25	JLI	SW8260D
Acetone	ND	0.23	mg/Kg	1	01/17/25	JLI	SW8260D
Acrylonitrile	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Benzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Bromobenzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Bromochloromethane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Bromodichloromethane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Bromoform	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Bromomethane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon Disulfide	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon tetrachloride	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Chlorobenzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroethane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroform	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Chloromethane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromochloromethane	ND	0.0027	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromomethane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Dichlorodifluoromethane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Ethylbenzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Hexachlorobutadiene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Isopropylbenzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
m&p-Xylene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	0.027	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.009	mg/Kg	1	01/17/25	JLI	SW8260D
Methylene chloride	ND	0.009	mg/Kg	1	01/17/25	JLI	SW8260D
Naphthalene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
n-Butylbenzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
n-Propylbenzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
o-Xylene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
p-Isopropyltoluene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
sec-Butylbenzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Styrene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
tert-Butylbenzene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrachloroethene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	0.009	mg/Kg	1	01/17/25	JLI	SW8260D
Toluene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Total Xylenes	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	0.009	mg/Kg	1	01/17/25	JLI	SW8260D
Trichloroethene	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorofluoromethane	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	0.009	mg/Kg	1	01/17/25	JLI	SW8260D
Vinyl chloride	ND	0.0045	mg/Kg	1	01/17/25	JLI	SW8260D

**QA/QC Surrogates**

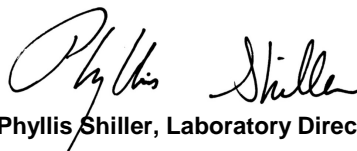
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	94		%	1	01/17/25	JLI	70 - 130 %
% Bromofluorobenzene	100		%	1	01/17/25	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	01/17/25	JLI	70 - 130 %
% Toluene-d8	91		%	1	01/17/25	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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**Phyllis Shiller, Laboratory Director**

**January 20, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 20, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

13:00  
14:29

Laboratory Data

SDG ID: GCS43752  
Phoenix ID: CS43756

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-105 (5-9)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	95		%		01/14/25	CV	SW846-%Solid
Field Extraction	Completed				01/13/25		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.0035	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloropropene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.00058	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloroethane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloropropane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichloropropane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
2,2-Dichloropropane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
2-Chlorotoluene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
2-Hexanone	ND	0.029	mg/Kg	1	01/17/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
4-Chlorotoluene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.029	mg/Kg	1	01/17/25	JLI	SW8260D
Acetone	ND	0.29	mg/Kg	1	01/17/25	JLI	SW8260D
Acrylonitrile	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Benzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Bromobenzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Bromochloromethane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Bromodichloromethane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Bromoform	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Bromomethane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon Disulfide	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon tetrachloride	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Chlorobenzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroethane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroform	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Chloromethane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromochloromethane	ND	0.0035	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromomethane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Dichlorodifluoromethane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Ethylbenzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Hexachlorobutadiene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Isopropylbenzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
m&p-Xylene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	0.035	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.012	mg/Kg	1	01/17/25	JLI	SW8260D
Methylene chloride	ND	0.012	mg/Kg	1	01/17/25	JLI	SW8260D
Naphthalene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
n-Butylbenzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
n-Propylbenzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
o-Xylene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
p-Isopropyltoluene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
sec-Butylbenzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Styrene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
tert-Butylbenzene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrachloroethene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	0.012	mg/Kg	1	01/17/25	JLI	SW8260D
Toluene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Total Xylenes	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	0.012	mg/Kg	1	01/17/25	JLI	SW8260D
Trichloroethene	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorofluoromethane	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	0.012	mg/Kg	1	01/17/25	JLI	SW8260D
Vinyl chloride	ND	0.0058	mg/Kg	1	01/17/25	JLI	SW8260D

**QA/QC Surrogates**

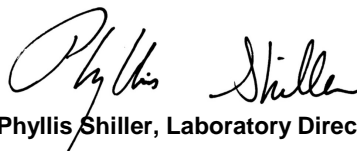
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	95		%	1	01/17/25	JLI	70 - 130 %
% Bromofluorobenzene	101		%	1	01/17/25	JLI	70 - 130 %
% Dibromofluoromethane	97		%	1	01/17/25	JLI	70 - 130 %
% Toluene-d8	91		%	1	01/17/25	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 20, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

# Analysis Report

January 20, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

14:00  
14:29

## Laboratory Data

SDG ID: GCS43752  
Phoenix ID: CS43757

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-106 (5-8)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	95		%		01/14/25	CV	SW846-%Solid
Field Extraction	Completed				01/13/25		SW5035A

### Volatiles

1,1,1,2-Tetrachloroethane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.0037	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloropropene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.00062	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloroethane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloropropane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichloropropane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
2,2-Dichloropropane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
2-Chlorotoluene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
2-Hexanone	ND	0.031	mg/Kg	1	01/17/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
4-Chlorotoluene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.031	mg/Kg	1	01/17/25	JLI	SW8260D
Acetone	ND	0.31	mg/Kg	1	01/17/25	JLI	SW8260D
Acrylonitrile	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Benzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Bromobenzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Bromochloromethane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Bromodichloromethane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Bromoform	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Bromomethane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon Disulfide	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon tetrachloride	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Chlorobenzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroethane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroform	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Chloromethane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromochloromethane	ND	0.0037	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromomethane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Dichlorodifluoromethane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Ethylbenzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Hexachlorobutadiene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Isopropylbenzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
m&p-Xylene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	0.037	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.012	mg/Kg	1	01/17/25	JLI	SW8260D
Methylene chloride	ND	0.012	mg/Kg	1	01/17/25	JLI	SW8260D
Naphthalene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
n-Butylbenzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
n-Propylbenzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
o-Xylene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
p-Isopropyltoluene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
sec-Butylbenzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Styrene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
tert-Butylbenzene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrachloroethene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	0.012	mg/Kg	1	01/17/25	JLI	SW8260D
Toluene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Total Xylenes	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	0.012	mg/Kg	1	01/17/25	JLI	SW8260D
Trichloroethene	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorofluoromethane	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	0.012	mg/Kg	1	01/17/25	JLI	SW8260D
Vinyl chloride	ND	0.0062	mg/Kg	1	01/17/25	JLI	SW8260D

**QA/QC Surrogates**

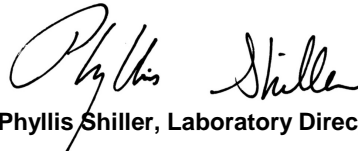
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	94		%	1	01/17/25	JLI	70 - 130 %
% Bromofluorobenzene	99		%	1	01/17/25	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	01/17/25	JLI	70 - 130 %
% Toluene-d8	91		%	1	01/17/25	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 20, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 20, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

15:00  
14:29

Laboratory Data

SDG ID: GCS43752  
Phoenix ID: CS43758

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-113 (10-13)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	96		%		01/14/25	CV	SW846-%Solid
Field Extraction	Completed				01/13/25		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.0032	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloropropene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.00054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloroethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloropropane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichloropropane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
2,2-Dichloropropane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
2-Chlorotoluene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
2-Hexanone	ND	0.027	mg/Kg	1	01/17/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
4-Chlorotoluene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.027	mg/Kg	1	01/17/25	JLI	SW8260D
Acetone	ND	0.27	mg/Kg	1	01/17/25	JLI	SW8260D
Acrylonitrile	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Benzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Bromobenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Bromochloromethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Bromodichloromethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Bromoform	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Bromomethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon Disulfide	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon tetrachloride	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Chlorobenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroform	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Chloromethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromochloromethane	ND	0.0032	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromomethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Dichlorodifluoromethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Ethylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Hexachlorobutadiene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Isopropylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
m&p-Xylene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	0.032	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Methylene chloride	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Naphthalene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
n-Butylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
n-Propylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
o-Xylene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
p-Isopropyltoluene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
sec-Butylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Styrene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
tert-Butylbenzene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrachloroethene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Toluene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Total Xylenes	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Trichloroethene	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorofluoromethane	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Vinyl chloride	ND	0.0054	mg/Kg	1	01/17/25	JLI	SW8260D

**QA/QC Surrogates**

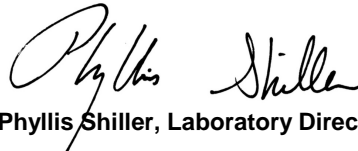
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	93		%	1	01/17/25	JLI	70 - 130 %
% Bromofluorobenzene	100		%	1	01/17/25	JLI	70 - 130 %
% Dibromofluoromethane	89		%	1	01/17/25	JLI	70 - 130 %
% Toluene-d8	90		%	1	01/17/25	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 20, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 20, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

16:00  
14:29

Laboratory Data

SDG ID: GCS43752  
Phoenix ID: CS43759

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-114 (10-13.5)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	97		%		01/14/25	CV	SW846-%Solid
Field Extraction	Completed				01/13/25		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.0033	mg/Kg	1	01/17/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloroethene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,1-Dichloropropene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.00056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloroethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,2-Dichloropropane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,3-Dichloropropane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
2,2-Dichloropropane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
2-Chlorotoluene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
2-Hexanone	ND	0.028	mg/Kg	1	01/17/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
4-Chlorotoluene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.028	mg/Kg	1	01/17/25	JLI	SW8260D
Acetone	ND	0.28	mg/Kg	1	01/17/25	JLI	SW8260D
Acrylonitrile	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Benzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Bromobenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Bromochloromethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Bromodichloromethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Bromoform	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Bromomethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon Disulfide	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Carbon tetrachloride	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Chlorobenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Chloroform	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Chloromethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromochloromethane	ND	0.0033	mg/Kg	1	01/17/25	JLI	SW8260D
Dibromomethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Dichlorodifluoromethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Ethylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Hexachlorobutadiene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Isopropylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
m&p-Xylene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	0.033	mg/Kg	1	01/17/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Methylene chloride	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Naphthalene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
n-Butylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
n-Propylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
o-Xylene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
p-Isopropyltoluene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
sec-Butylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Styrene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
tert-Butylbenzene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrachloroethene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Toluene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Total Xylenes	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Trichloroethene	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorofluoromethane	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	0.011	mg/Kg	1	01/17/25	JLI	SW8260D
Vinyl chloride	ND	0.0056	mg/Kg	1	01/17/25	JLI	SW8260D

**QA/QC Surrogates**

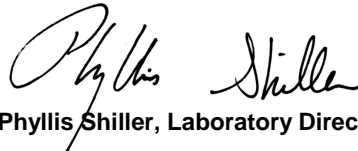
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	94		%	1	01/17/25	JLI	70 - 130 %
% Bromofluorobenzene	101		%	1	01/17/25	JLI	70 - 130 %
% Dibromofluoromethane	97		%	1	01/17/25	JLI	70 - 130 %
% Toluene-d8	92		%	1	01/17/25	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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**Phyllis Shiller, Laboratory Director**

**January 20, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102

# QA/QC Report

January 20, 2025

## QA/QC Data

SDG I.D.: GCS43752

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 767005 (mg/Kg), QC Sample No: CS46296 (CS43752, CS43753, CS43754, CS43755, CS43756, CS43757, CS43758, CS43759)										
<u>Volatiles - Soil (Low Level)</u>										
1,1,1,2-Tetrachloroethane	ND	0.005	108	104	3.8	97	99	2.0	70 - 130	20
1,1,1-Trichloroethane	ND	0.005	111	111	0.0	105	107	1.9	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	0.003	100	101	1.0	<10	<10	NC	70 - 130	20
1,1,2-Trichloroethane	ND	0.005	109	109	0.0	98	97	1.0	70 - 130	20
1,1-Dichloroethane	ND	0.005	109	109	0.0	101	103	2.0	70 - 130	20
1,1-Dichloroethene	ND	0.005	112	109	2.7	102	107	4.8	70 - 130	20
1,1-Dichloropropene	ND	0.005	115	112	2.6	104	108	3.8	70 - 130	20
1,2,3-Trichlorobenzene	ND	0.005	110	109	0.9	84	85	1.2	70 - 130	20
1,2,3-Trichloropropane	ND	0.005	109	108	0.9	94	97	3.1	70 - 130	20
1,2,4-Trichlorobenzene	ND	0.005	108	107	0.9	82	83	1.2	70 - 130	20
1,2,4-Trimethylbenzene	ND	0.001	106	105	0.9	91	94	3.2	70 - 130	20
1,2-Dibromo-3-chloropropane	ND	0.005	110	110	0.0	89	88	1.1	70 - 130	20
1,2-Dibromoethane	ND	0.005	108	107	0.9	94	96	2.1	70 - 130	20
1,2-Dichlorobenzene	ND	0.005	111	110	0.9	94	95	1.1	70 - 130	20
1,2-Dichloroethane	ND	0.005	117	114	2.6	102	107	4.8	70 - 130	20
1,2-Dichloropropane	ND	0.005	111	110	0.9	104	106	1.9	70 - 130	20
1,3,5-Trimethylbenzene	ND	0.001	112	109	2.7	99	100	1.0	70 - 130	20
1,3-Dichlorobenzene	ND	0.005	106	104	1.9	89	90	1.1	70 - 130	20
1,3-Dichloropropane	ND	0.005	108	108	0.0	97	99	2.0	70 - 130	20
1,4-Dichlorobenzene	ND	0.005	111	109	1.8	93	95	2.1	70 - 130	20
2,2-Dichloropropane	ND	0.005	109	107	1.9	95	100	5.1	70 - 130	20
2-Chlorotoluene	ND	0.005	110	109	0.9	98	99	1.0	70 - 130	20
2-Hexanone	ND	0.025	111	108	2.7	92	95	3.2	70 - 130	20
2-Isopropyltoluene	ND	0.005	112	111	0.9	100	101	1.0	70 - 130	20
4-Chlorotoluene	ND	0.005	108	106	1.9	92	96	4.3	70 - 130	20
4-Methyl-2-pentanone	ND	0.025	119	117	1.7	105	110	4.7	70 - 130	20
Acetone	ND	0.01	94	101	7.2	96	124	25.5	70 - 130	20
Acrylonitrile	ND	0.005	112	110	1.8	93	97	4.2	70 - 130	20
Benzene	ND	0.001	107	105	1.9	99	101	2.0	70 - 130	20
Bromobenzene	ND	0.005	110	112	1.8	96	100	4.1	70 - 130	20
Bromochloromethane	ND	0.005	101	100	1.0	94	94	0.0	70 - 130	20
Bromodichloromethane	ND	0.005	112	111	0.9	101	104	2.9	70 - 130	20
Bromoform	ND	0.005	104	106	1.9	91	94	3.2	70 - 130	20
Bromomethane	ND	0.005	114	105	8.2	105	108	2.8	70 - 130	20
Carbon Disulfide	ND	0.005	110	109	0.9	99	105	5.9	70 - 130	20
Carbon tetrachloride	ND	0.005	113	110	2.7	103	103	0.0	70 - 130	20
Chlorobenzene	ND	0.005	110	109	0.9	99	100	1.0	70 - 130	20
Chloroethane	ND	0.005	110	107	2.8	106	106	0.0	70 - 130	20
Chloroform	ND	0.005	107	106	0.9	98	100	2.0	70 - 130	20
Chloromethane	ND	0.005	130	126	3.1	126	130	3.1	70 - 130	20

QA/QC Data

SDG I.D.: GCS43752

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
	Blank	RL									
cis-1,2-Dichloroethene	ND	0.005	108	105	2.8	97	100	3.0	70 - 130	20	
cis-1,3-Dichloropropene	ND	0.005	115	110	4.4	99	102	3.0	70 - 130	20	
Dibromochloromethane	ND	0.003	107	108	0.9	94	96	2.1	70 - 130	20	
Dibromomethane	ND	0.005	113	112	0.9	98	105	6.9	70 - 130	20	
Dichlorodifluoromethane	ND	0.005	152	145	4.7	140	141	0.7	70 - 130	20	l,m
Ethylbenzene	ND	0.001	108	107	0.9	97	98	1.0	70 - 130	20	
Hexachlorobutadiene	ND	0.005	119	117	1.7	95	95	0.0	70 - 130	20	
Isopropylbenzene	ND	0.001	110	107	2.8	99	99	0.0	70 - 130	20	
m&p-Xylene	ND	0.002	101	100	1.0	91	93	2.2	70 - 130	20	
Methyl ethyl ketone	ND	0.005	110	112	1.8	91	99	8.4	70 - 130	20	
Methyl t-butyl ether (MTBE)	ND	0.001	107	109	1.9	97	101	4.0	70 - 130	20	
Methylene chloride	ND	0.005	98	98	0.0	91	93	2.2	70 - 130	20	
Naphthalene	ND	0.005	110	110	0.0	89	90	1.1	70 - 130	20	
n-Butylbenzene	ND	0.001	120	116	3.4	98	98	0.0	70 - 130	20	
n-Propylbenzene	ND	0.001	114	110	3.6	99	101	2.0	70 - 130	20	
o-Xylene	ND	0.002	102	101	1.0	92	93	1.1	70 - 130	20	
p-Isopropyltoluene	ND	0.001	112	111	0.9	96	97	1.0	70 - 130	20	
sec-Butylbenzene	ND	0.001	112	109	2.7	98	98	0.0	70 - 130	20	
Styrene	ND	0.005	102	101	1.0	89	92	3.3	70 - 130	20	
tert-Butylbenzene	ND	0.001	111	109	1.8	99	100	1.0	70 - 130	20	
Tetrachloroethene	ND	0.005	115	111	3.5	103	105	1.9	70 - 130	20	
Tetrahydrofuran (THF)	ND	0.005	119	118	0.8	101	103	2.0	70 - 130	20	
Toluene	ND	0.001	112	107	4.6	102	106	3.8	70 - 130	20	
trans-1,2-Dichloroethene	ND	0.005	116	99	15.8	108	109	0.9	70 - 130	20	
trans-1,3-Dichloropropene	ND	0.005	116	111	4.4	97	100	3.0	70 - 130	20	
trans-1,4-dichloro-2-butene	ND	0.005	112	112	0.0	86	88	2.3	70 - 130	20	
Trichloroethene	ND	0.005	117	113	3.5	170	172	1.2	70 - 130	20	m
Trichlorofluoromethane	ND	0.005	118	117	0.9	107	110	2.8	70 - 130	20	
Trichlorotrifluoroethane	ND	0.005	117	115	1.7	107	109	1.9	70 - 130	20	
Vinyl chloride	ND	0.005	125	120	4.1	114	115	0.9	70 - 130	20	
% 1,2-dichlorobenzene-d4	95	%	101	103	2.0	101	102	1.0	70 - 130	20	
% Bromofluorobenzene	100	%	99	100	1.0	98	98	0.0	70 - 130	20	
% Dibromofluoromethane	99	%	91	96	5.3	92	91	1.1	70 - 130	20	
% Toluene-d8	91	%	102	100	2.0	102	104	1.9	70 - 130	20	

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

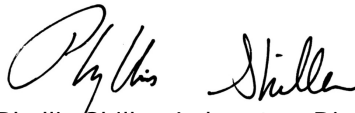
l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference
- (ISO) - Isotope Dilution

  
 Phyllis Shiller, Laboratory Director  
 January 20, 2025

Monday, January 20, 2025

Criteria: RI: GA LEACH, RC

State: RI

## Sample Criteria Exceedances Report

GCS43752 - SAGE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CS43752	\$8260MAR	1,2-Dibromoethane	RI / Leachability / Volatile Organics (GA)	ND	0.54	0.5	0.5	ug/Kg
CS43753	\$8260MAR	1,2-Dibromoethane	RI / Leachability / Volatile Organics (GA)	ND	0.59	0.5	0.5	ug/Kg
CS43754	\$8260MAR	1,2-Dibromoethane	RI / Leachability / Volatile Organics (GA)	ND	0.56	0.5	0.5	ug/Kg
CS43756	\$8260MAR	1,2-Dibromoethane	RI / Leachability / Volatile Organics (GA)	ND	0.58	0.5	0.5	ug/Kg
CS43757	\$8260MAR	1,2-Dibromoethane	RI / Leachability / Volatile Organics (GA)	ND	0.62	0.5	0.5	ug/Kg
CS43758	\$8260MAR	1,2-Dibromoethane	RI / Leachability / Volatile Organics (GA)	ND	0.54	0.5	0.5	ug/Kg
CS43759	\$8260MAR	1,2-Dibromoethane	RI / Leachability / Volatile Organics (GA)	ND	0.56	0.5	0.5	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Comments

January 20, 2025

SDG I.D.: GCS43752

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The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

### **VOA Narration**

**CHEM18 01/16/25-2:** CS43752, CS43753, CS43754, CS43755, CS43756, CS43757, CS43758, CS43759

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 21% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Continuing Calibration compounds did not meet % deviation criteria: 4-Methyl-2-pentanone 24%H (20%), n-Butylbenzene 21%H (20%), Tetrahydrofuran (THF) 23%H (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.





Wednesday, January 22, 2025

Attn:  
Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Project ID: L5247468 500 VETERANS MEMORIAL  
SDG ID: GCS43744  
Sample ID#s: CS43744 - CS43751

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis/Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## SDG Comments

January 22, 2025

SDG I.D.: GCS43744

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Version 2- Updated Client Ids



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Sample Id Cross Reference

January 22, 2025

SDG I.D.: GCS43744

Project ID: L5247468 500 VETERANS MEMORIAL

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Client Id	Lab Id	Matrix	Col Date
SE-101 (0-15`) COMP	CS43744	SOIL	01/13/25 9:00
SE-102 (0-15`) COMP	CS43745	SOIL	01/13/25 10:00
SE-103 (0-10`) COMP	CS43746	SOIL	01/13/25 11:00
SE-104 (0-3`) COMP	CS43747	SOIL	01/13/25 12:00
SE-105 (0-10`) COMP	CS43748	SOIL	01/13/25 13:00
SE-106 (0-10`) COMP	CS43749	SOIL	01/13/25 14:00
SE-113 (0-15`) COMP	CS43750	SOIL	01/13/25 15:00
SE-114 (0-15`) COMP	CS43751	SOIL	01/13/25 16:00



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 22, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

9:00  
14:29

Laboratory Data

SDG ID: GCS43744  
Phoenix ID: CS43744

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-101 (0-15') COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.32	0.32	mg/Kg	1	01/15/25	TH	SW6010D
Arsenic	4.91	0.65	mg/Kg	1	01/15/25	TH	SW6010D
Beryllium	0.37	0.26	mg/Kg	1	01/15/25	TH	SW6010D
Cadmium	< 0.32	0.32	mg/Kg	1	01/15/25	TH	SW6010D
Chromium	12.1	0.32	mg/Kg	1	01/15/25	TH	SW6010D
Copper	11.0	0.6	mg/kg	1	01/15/25	TH	SW6010D
Mercury	0.475	0.22	mg/Kg	7	01/15/25	KCA	SW7473
Nickel	11.2	0.32	mg/Kg	1	01/15/25	TH	SW6010D
Lead	14.2	0.32	mg/Kg	1	01/15/25	TH	SW6010D
Antimony	< 3.2	3.2	mg/Kg	1	01/15/25	TH	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	01/15/25	TH	SW6010D
Thallium	< 2.9	2.9	mg/Kg	1	01/15/25	TH	SW6010D
Zinc	30.4	0.6	mg/Kg	1	01/15/25	TH	SW6010D
Percent Solid	92		%		01/14/25	CV	SW846-%Solid
Soil Extraction for Herbicide	Completed				01/17/25	Y/MQ/D	SW3546
Soil Extraction for Pesticide	Completed				01/15/25	H/U	SW3546
Total Metals Digest	Completed				01/14/25	N/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4,5-TP (Silvex)	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-D	ND	0.27	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-DB	ND	2.7	mg/Kg	10	01/20/25	KCA	SW8151A
Dalapon	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dicamba	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dichloroprop	ND	0.27	mg/Kg	10	01/20/25	KCA	SW8151A
Dinoseb	ND	0.27	mg/Kg	10	01/20/25	KCA	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>QA/QC Surrogates</u></b>							
% DCAA	93		%	10	01/20/25	KCA	30 - 150 %
% DCAA (Confirmation)	86		%	10	01/20/25	KCA	30 - 150 %
<b><u>Pesticides</u></b>							
4,4' -DDD	ND	0.071	mg/Kg	20	01/16/25	AW	SW8081B
4,4' -DDE	ND	0.071	mg/Kg	20	01/16/25	AW	SW8081B
4,4' -DDT	2	0.35	mg/Kg	100	01/17/25	AW	SW8081B
a-BHC	ND	0.071	mg/Kg	20	01/16/25	AW	SW8081B
Alachlor	ND	0.071	mg/Kg	20	01/16/25	AW	SW8081B
Aldrin	ND	0.035	mg/Kg	20	01/16/25	AW	SW8081B
b-BHC	ND	0.071	mg/Kg	20	01/16/25	AW	SW8081B
Chlordane	ND	0.35	mg/Kg	20	01/16/25	AW	SW8081B
d-BHC	ND	0.071	mg/Kg	20	01/16/25	AW	SW8081B
Dieldrin	ND	0.035	mg/Kg	20	01/16/25	AW	SW8081B
Endosulfan I	ND	0.071	mg/Kg	20	01/16/25	AW	SW8081B
Endosulfan II	ND	0.071	mg/Kg	20	01/16/25	AW	SW8081B
Endosulfan sulfate	ND	0.071	mg/Kg	20	01/16/25	AW	SW8081B
Endrin	ND	0.071	mg/Kg	20	01/16/25	AW	SW8081B
Endrin aldehyde	ND	0.071	mg/Kg	20	01/16/25	AW	SW8081B
Endrin ketone	ND	0.071	mg/Kg	20	01/16/25	AW	SW8081B
g-BHC	ND	0.014	mg/Kg	20	01/16/25	AW	SW8081B
Heptachlor	ND	0.071	mg/Kg	20	01/16/25	AW	SW8081B
Heptachlor epoxide	ND	0.071	mg/Kg	20	01/16/25	AW	SW8081B
Methoxychlor	ND	0.35	mg/Kg	20	01/16/25	AW	SW8081B
Toxaphene	ND	1.4	mg/Kg	20	01/16/25	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	Diluted Out		%	20	01/16/25	AW	30 - 150 %
% DCBP (Confirmation)	Diluted Out		%	20	01/16/25	AW	30 - 150 %
% TCMX	Diluted Out		%	20	01/16/25	AW	30 - 150 %
% TCMX (Confirmation)	Diluted Out		%	20	01/16/25	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
 QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
 If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
 The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

  
**Phyllis Shiller, Laboratory Director**  
**January 22, 2025**  
**Reviewed and Released by: Sarah Bell, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 22, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

10:00  
14:29

Laboratory Data

SDG ID: GCS43744  
Phoenix ID: CS43745

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-102 (0-15') COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.32	0.32	mg/Kg	1	01/15/25	TH	SW6010D
Arsenic	4.40	0.64	mg/Kg	1	01/15/25	TH	SW6010D
Beryllium	0.34	0.26	mg/Kg	1	01/15/25	TH	SW6010D
Cadmium	< 0.32	0.32	mg/Kg	1	01/15/25	TH	SW6010D
Chromium	10.5	0.32	mg/Kg	1	01/15/25	TH	SW6010D
Copper	10.4	0.6	mg/kg	1	01/15/25	TH	SW6010D
Mercury	< 0.21	0.21	mg/Kg	9	01/15/25	KCA	SW7473
Nickel	11.7	0.32	mg/Kg	1	01/15/25	TH	SW6010D
Lead	7.18	0.32	mg/Kg	1	01/15/25	TH	SW6010D
Antimony	< 3.2	3.2	mg/Kg	1	01/15/25	TH	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	01/15/25	TH	SW6010D
Thallium	< 2.9	2.9	mg/Kg	1	01/15/25	TH	SW6010D
Zinc	30.6	0.6	mg/Kg	1	01/15/25	TH	SW6010D
Percent Solid	95		%		01/14/25	CV	SW846-%Solid
Soil Extraction for Herbicide	Completed				01/17/25	Y/MQ/D	SW3546
Soil Extraction for Pesticide	Completed				01/15/25	H/U	SW3546
Total Metals Digest	Completed				01/14/25	N/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4,5-TP (Silvex)	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-D	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-DB	ND	2.6	mg/Kg	10	01/20/25	KCA	SW8151A
Dalapon	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dicamba	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dichloroprop	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
Dinoseb	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A

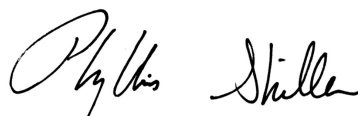
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>QA/QC Surrogates</u></b>							
% DCAA	80		%	10	01/20/25	KCA	30 - 150 %
% DCAA (Confirmation)	74		%	10	01/20/25	KCA	30 - 150 %
<b><u>Pesticides</u></b>							
4,4' -DDD	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
4,4' -DDE	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
4,4' -DDT	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
a-BHC	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Alachlor	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Aldrin	ND	0.0034	mg/Kg	2	01/17/25	AW	SW8081B
b-BHC	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Chlordane	ND	0.034	mg/Kg	2	01/17/25	AW	SW8081B
d-BHC	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Dieldrin	ND	0.0034	mg/Kg	2	01/17/25	AW	SW8081B
Endosulfan I	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Endosulfan II	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Endosulfan sulfate	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Endrin	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Endrin aldehyde	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Endrin ketone	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	01/17/25	AW	SW8081B
Heptachlor	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Heptachlor epoxide	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Methoxychlor	ND	0.034	mg/Kg	2	01/17/25	AW	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	01/17/25	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	62		%	2	01/17/25	AW	30 - 150 %
% DCBP (Confirmation)	46		%	2	01/17/25	AW	30 - 150 %
% TCMX	62		%	2	01/17/25	AW	30 - 150 %
% TCMX (Confirmation)	55		%	2	01/17/25	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
 QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 22, 2025**

**Reviewed and Released by: Sarah Bell, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 22, 2025

FOR: Attn:  
Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

11:00  
14:29

Laboratory Data

SDG ID: GCS43744  
Phoenix ID: CS43746

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-103 (0-10') COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	1	01/15/25	TH	SW6010D
Arsenic	3.17	0.67	mg/Kg	1	01/15/25	TH	SW6010D
Beryllium	< 0.27	0.27	mg/Kg	1	01/15/25	TH	SW6010D
Cadmium	< 0.33	0.33	mg/Kg	1	01/15/25	TH	SW6010D
Chromium	6.32	0.33	mg/Kg	1	01/15/25	TH	SW6010D
Copper	4.9	0.7	mg/kg	1	01/15/25	TH	SW6010D
Mercury	< 0.21	0.21	mg/Kg	8.6	01/15/25	KCA	SW7473
Nickel	3.27	0.33	mg/Kg	1	01/15/25	TH	SW6010D
Lead	8.36	0.33	mg/Kg	1	01/15/25	TH	SW6010D
Antimony	< 3.3	3.3	mg/Kg	1	01/15/25	TH	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	01/15/25	TH	SW6010D
Thallium	< 3.0	3.0	mg/Kg	1	01/15/25	TH	SW6010D
Zinc	15.0	0.7	mg/Kg	1	01/15/25	TH	SW6010D
Percent Solid	95		%		01/14/25	CV	SW846-%Solid
Soil Extraction for Herbicide	Completed				01/17/25	Y/MQ/D	SW3546
Soil Extraction for Pesticide	Completed				01/15/25	H/U	SW3546
Total Metals Digest	Completed				01/14/25	N/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4,5-TP (Silvex)	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-D	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-DB	ND	2.6	mg/Kg	10	01/20/25	KCA	SW8151A
Dalapon	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dicamba	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dichloroprop	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
Dinoseb	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>QA/QC Surrogates</u></b>							
% DCAA	88		%	10	01/20/25	KCA	30 - 150 %
% DCAA (Confirmation)	80		%	10	01/20/25	KCA	30 - 150 %
<b><u>Pesticides</u></b>							
4,4' -DDD	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
4,4' -DDE	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
4,4' -DDT	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
a-BHC	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Alachlor	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Aldrin	ND	0.0034	mg/Kg	2	01/17/25	AW	SW8081B
b-BHC	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Chlordane	0.099	0.034	mg/Kg	2	01/17/25	AW	SW8081B
d-BHC	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Dieldrin	ND	0.0034	mg/Kg	2	01/17/25	AW	SW8081B
Endosulfan I	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Endosulfan II	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Endosulfan sulfate	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Endrin	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Endrin aldehyde	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Endrin ketone	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	01/17/25	AW	SW8081B
Heptachlor	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Heptachlor epoxide	ND	0.0069	mg/Kg	2	01/17/25	AW	SW8081B
Methoxychlor	ND	0.034	mg/Kg	2	01/17/25	AW	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	01/17/25	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	70		%	2	01/17/25	AW	30 - 150 %
% DCBP (Confirmation)	49		%	2	01/17/25	AW	30 - 150 %
% TCMX	56		%	2	01/17/25	AW	30 - 150 %
% TCMX (Confirmation)	55		%	2	01/17/25	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

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**Phyllis Shiller, Laboratory Director**

**January 22, 2025**

**Reviewed and Released by: Sarah Bell, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 22, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

12:00  
14:29

Laboratory Data

SDG ID: GCS43744  
Phoenix ID: CS43747

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-104 (0-3') COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	1	01/15/25	TH	SW6010D
Arsenic	3.91	0.76	mg/Kg	1	01/15/25	TH	SW6010D
Beryllium	< 0.30	0.30	mg/Kg	1	01/15/25	TH	SW6010D
Cadmium	< 0.38	0.38	mg/Kg	1	01/15/25	TH	SW6010D
Chromium	7.73	0.38	mg/Kg	1	01/15/25	TH	SW6010D
Copper	4.6	0.8	mg/kg	1	01/15/25	TH	SW6010D
Mercury	< 0.21	0.21	mg/Kg	9.1	01/15/25	KCA	SW7473
Nickel	7.74	0.38	mg/Kg	1	01/15/25	TH	SW6010D
Lead	3.86	0.38	mg/Kg	1	01/15/25	TH	SW6010D
Antimony	< 3.8	3.8	mg/Kg	1	01/15/25	TH	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	01/15/25	TH	SW6010D
Thallium	< 3.4	3.4	mg/Kg	1	01/15/25	TH	SW6010D
Zinc	16.1	0.8	mg/Kg	1	01/15/25	TH	SW6010D
Percent Solid	94		%		01/14/25	CV	SW846-%Solid
Soil Extraction for Herbicide	Completed				01/17/25	Y/MQ/D	SW3546
Soil Extraction for Pesticide	Completed				01/15/25	H/U	SW3546
Total Metals Digest	Completed				01/14/25	N/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4,5-TP (Silvex)	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-D	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-DB	ND	2.6	mg/Kg	10	01/20/25	KCA	SW8151A
Dalapon	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dicamba	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dichloroprop	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
Dinoseb	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>QA/QC Surrogates</u></b>							
% DCAA	79		%	10	01/20/25	KCA	30 - 150 %
% DCAA (Confirmation)	72		%	10	01/20/25	KCA	30 - 150 %
<b><u>Pesticides</u></b>							
4,4' -DDD	ND	0.0069	mg/Kg	2	01/16/25	CN	SW8081B
4,4' -DDE	ND	0.0069	mg/Kg	2	01/16/25	CN	SW8081B
4,4' -DDT	ND	0.0069	mg/Kg	2	01/16/25	CN	SW8081B
a-BHC	ND	0.0069	mg/Kg	2	01/16/25	CN	SW8081B
Alachlor	ND	0.0069	mg/Kg	2	01/16/25	CN	SW8081B
Aldrin	ND	0.0034	mg/Kg	2	01/16/25	CN	SW8081B
b-BHC	ND	0.0069	mg/Kg	2	01/16/25	CN	SW8081B
Chlordane	ND	0.034	mg/Kg	2	01/16/25	CN	SW8081B
d-BHC	ND	0.0069	mg/Kg	2	01/16/25	CN	SW8081B
Dieldrin	ND	0.0034	mg/Kg	2	01/16/25	CN	SW8081B
Endosulfan I	ND	0.0069	mg/Kg	2	01/16/25	CN	SW8081B
Endosulfan II	ND	0.0069	mg/Kg	2	01/16/25	CN	SW8081B
Endosulfan sulfate	ND	0.0069	mg/Kg	2	01/16/25	CN	SW8081B
Endrin	ND	0.0069	mg/Kg	2	01/16/25	CN	SW8081B
Endrin aldehyde	ND	0.0069	mg/Kg	2	01/16/25	CN	SW8081B
Endrin ketone	ND	0.0069	mg/Kg	2	01/16/25	CN	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	01/16/25	CN	SW8081B
Heptachlor	ND	0.0069	mg/Kg	2	01/16/25	CN	SW8081B
Heptachlor epoxide	ND	0.0069	mg/Kg	2	01/16/25	CN	SW8081B
Methoxychlor	ND	0.034	mg/Kg	2	01/16/25	CN	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	01/16/25	CN	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	54		%	2	01/16/25	CN	30 - 150 %
% DCBP (Confirmation)	52		%	2	01/16/25	CN	30 - 150 %
% TCMX	52		%	2	01/16/25	CN	30 - 150 %
% TCMX (Confirmation)	48		%	2	01/16/25	CN	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
 QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

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**Phyllis Shiller, Laboratory Director**  
**January 22, 2025**  
**Reviewed and Released by: Sarah Bell, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 22, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

13:00  
14:29

Laboratory Data

SDG ID: GCS43744  
Phoenix ID: CS43748

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-105 (0-10') COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	1	01/15/25	TH	SW6010D
Arsenic	4.75	0.78	mg/Kg	1	01/15/25	TH	SW6010D
Beryllium	0.33	0.31	mg/Kg	1	01/15/25	TH	SW6010D
Cadmium	< 0.39	0.39	mg/Kg	1	01/15/25	TH	SW6010D
Chromium	10.3	0.39	mg/Kg	1	01/15/25	TH	SW6010D
Copper	9.7	0.8	mg/kg	1	01/15/25	TH	SW6010D
Mercury	< 0.22	0.22	mg/Kg	6	01/15/25	KCA	SW7473
Nickel	10.1	0.39	mg/Kg	1	01/15/25	TH	SW6010D
Lead	5.60	0.39	mg/Kg	1	01/15/25	TH	SW6010D
Antimony	< 3.9	3.9	mg/Kg	1	01/15/25	TH	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	01/15/25	TH	SW6010D
Thallium	< 3.5	3.5	mg/Kg	1	01/15/25	TH	SW6010D
Zinc	24.0	0.8	mg/Kg	1	01/15/25	TH	SW6010D
Percent Solid	90		%		01/14/25	CV	SW846-%Solid
Soil Extraction for Herbicide	Completed				01/17/25	Y/MQ/D	SW3546
Soil Extraction for Pesticide	Completed				01/15/25	H/U	SW3546
Total Metals Digest	Completed				01/14/25	N/AG	SW3050B

Chlorinated Herbicides

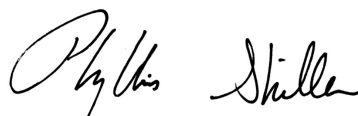
2,4,5-T	ND	0.14	mg/Kg	10	01/20/25	KCA	SW8151A
2,4,5-TP (Silvex)	ND	0.14	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-D	ND	0.27	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-DB	ND	2.7	mg/Kg	10	01/20/25	KCA	SW8151A
Dalapon	ND	0.14	mg/Kg	10	01/20/25	KCA	SW8151A
Dicamba	ND	0.14	mg/Kg	10	01/20/25	KCA	SW8151A
Dichloroprop	ND	0.27	mg/Kg	10	01/20/25	KCA	SW8151A
Dinoseb	ND	0.27	mg/Kg	10	01/20/25	KCA	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>QA/QC Surrogates</u></b>							
% DCAA	71		%	10	01/20/25	KCA	30 - 150 %
% DCAA (Confirmation)	63		%	10	01/20/25	KCA	30 - 150 %
<b><u>Pesticides</u></b>							
4,4' -DDD	ND	0.0074	mg/Kg	2	01/17/25	AW	SW8081B
4,4' -DDE	ND	0.0074	mg/Kg	2	01/17/25	AW	SW8081B
4,4' -DDT	ND	0.0074	mg/Kg	2	01/17/25	AW	SW8081B
a-BHC	ND	0.0074	mg/Kg	2	01/17/25	AW	SW8081B
Alachlor	ND	0.0074	mg/Kg	2	01/17/25	AW	SW8081B
Aldrin	ND	0.0037	mg/Kg	2	01/17/25	AW	SW8081B
b-BHC	ND	0.0074	mg/Kg	2	01/17/25	AW	SW8081B
Chlordane	ND	0.037	mg/Kg	2	01/17/25	AW	SW8081B
d-BHC	ND	0.0074	mg/Kg	2	01/17/25	AW	SW8081B
Dieldrin	ND	0.0037	mg/Kg	2	01/17/25	AW	SW8081B
Endosulfan I	ND	0.0074	mg/Kg	2	01/17/25	AW	SW8081B
Endosulfan II	ND	0.0074	mg/Kg	2	01/17/25	AW	SW8081B
Endosulfan sulfate	ND	0.0074	mg/Kg	2	01/17/25	AW	SW8081B
Endrin	ND	0.0074	mg/Kg	2	01/17/25	AW	SW8081B
Endrin aldehyde	ND	0.0074	mg/Kg	2	01/17/25	AW	SW8081B
Endrin ketone	ND	0.0074	mg/Kg	2	01/17/25	AW	SW8081B
g-BHC	ND	0.0015	mg/Kg	2	01/17/25	AW	SW8081B
Heptachlor	ND	0.0074	mg/Kg	2	01/17/25	AW	SW8081B
Heptachlor epoxide	ND	0.0074	mg/Kg	2	01/17/25	AW	SW8081B
Methoxychlor	ND	0.037	mg/Kg	2	01/17/25	AW	SW8081B
Toxaphene	ND	0.15	mg/Kg	2	01/17/25	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	58		%	2	01/17/25	AW	30 - 150 %
% DCBP (Confirmation)	43		%	2	01/17/25	AW	30 - 150 %
% TCMX	53		%	2	01/17/25	AW	30 - 150 %
% TCMX (Confirmation)	50		%	2	01/17/25	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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**Phyllis Shiller, Laboratory Director**

**January 22, 2025**

**Reviewed and Released by: Sarah Bell, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 22, 2025

FOR: Attn:  
Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

14:00  
14:29

Laboratory Data

SDG ID: GCS43744  
Phoenix ID: CS43749

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-106 (0-10') COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	01/15/25	TH	SW6010D
Arsenic	1.57	0.69	mg/Kg	1	01/15/25	TH	SW6010D
Beryllium	< 0.28	0.28	mg/Kg	1	01/15/25	TH	SW6010D
Cadmium	< 0.35	0.35	mg/Kg	1	01/15/25	TH	SW6010D
Chromium	6.36	0.35	mg/Kg	1	01/15/25	TH	SW6010D
Copper	3.7	0.7	mg/kg	1	01/15/25	TH	SW6010D
Mercury	0.270	0.21	mg/Kg	6.4	01/15/25	KCA	SW7473
Nickel	3.34	0.35	mg/Kg	1	01/15/25	TH	SW6010D
Lead	11.9	0.35	mg/Kg	1	01/15/25	TH	SW6010D
Antimony	< 3.5	3.5	mg/Kg	1	01/15/25	TH	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	01/15/25	TH	SW6010D
Thallium	< 3.1	3.1	mg/Kg	1	01/15/25	TH	SW6010D
Zinc	16.1	0.7	mg/Kg	1	01/15/25	TH	SW6010D
Percent Solid	94		%		01/14/25	CV	SW846-%Solid
Soil Extraction for Herbicide	Completed				01/17/25	Y/MQ/D	SW3546
Soil Extraction for Pesticide	Completed				01/15/25	H/U	SW3546
Total Metals Digest	Completed				01/14/25	N/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4,5-TP (Silvex)	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-D	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-DB	ND	2.6	mg/Kg	10	01/20/25	KCA	SW8151A
Dalapon	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dicamba	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dichloroprop	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
Dinoseb	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>QA/QC Surrogates</u></b>							
% DCAA	92		%	10	01/20/25	KCA	30 - 150 %
% DCAA (Confirmation)	82		%	10	01/20/25	KCA	30 - 150 %
<b><u>Pesticides</u></b>							
4,4' -DDD	ND	0.007	mg/Kg	2	01/17/25	AW	SW8081B
4,4' -DDE	ND	0.007	mg/Kg	2	01/17/25	AW	SW8081B
4,4' -DDT	ND	0.007	mg/Kg	2	01/17/25	AW	SW8081B
a-BHC	ND	0.007	mg/Kg	2	01/17/25	AW	SW8081B
Alachlor	ND	0.007	mg/Kg	2	01/17/25	AW	SW8081B
Aldrin	ND	0.0035	mg/Kg	2	01/17/25	AW	SW8081B
b-BHC	ND	0.007	mg/Kg	2	01/17/25	AW	SW8081B
Chlordane	ND	0.035	mg/Kg	2	01/17/25	AW	SW8081B
d-BHC	ND	0.007	mg/Kg	2	01/17/25	AW	SW8081B
Dieldrin	ND	0.0035	mg/Kg	2	01/17/25	AW	SW8081B
Endosulfan I	ND	0.007	mg/Kg	2	01/17/25	AW	SW8081B
Endosulfan II	ND	0.007	mg/Kg	2	01/17/25	AW	SW8081B
Endosulfan sulfate	ND	0.007	mg/Kg	2	01/17/25	AW	SW8081B
Endrin	ND	0.007	mg/Kg	2	01/17/25	AW	SW8081B
Endrin aldehyde	ND	0.007	mg/Kg	2	01/17/25	AW	SW8081B
Endrin ketone	ND	0.007	mg/Kg	2	01/17/25	AW	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	01/17/25	AW	SW8081B
Heptachlor	ND	0.007	mg/Kg	2	01/17/25	AW	SW8081B
Heptachlor epoxide	ND	0.007	mg/Kg	2	01/17/25	AW	SW8081B
Methoxychlor	ND	0.035	mg/Kg	2	01/17/25	AW	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	01/17/25	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	65		%	2	01/17/25	AW	30 - 150 %
% DCBP (Confirmation)	50		%	2	01/17/25	AW	30 - 150 %
% TCMX	56		%	2	01/17/25	AW	30 - 150 %
% TCMX (Confirmation)	55		%	2	01/17/25	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

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**Phyllis Shiller, Laboratory Director**  
**January 22, 2025**  
**Reviewed and Released by: Sarah Bell, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 22, 2025

FOR: Attn:  
Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

15:00  
14:29

Laboratory Data

SDG ID: GCS43744  
Phoenix ID: CS43750

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-113 (0-15') COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37	mg/Kg	1	01/15/25	TH	SW6010D
Arsenic	7.89	0.73	mg/Kg	1	01/15/25	TH	SW6010D
Beryllium	0.53	0.29	mg/Kg	1	01/15/25	TH	SW6010D
Cadmium	< 0.37	0.37	mg/Kg	1	01/15/25	TH	SW6010D
Chromium	16.5	0.37	mg/Kg	1	01/15/25	TH	SW6010D
Copper	17.1	0.7	mg/kg	1	01/15/25	TH	SW6010D
Mercury	< 0.21	0.21	mg/Kg	6.1	01/15/25	KCA	SW7473
Nickel	17.9	0.37	mg/Kg	1	01/15/25	TH	SW6010D
Lead	12.8	0.37	mg/Kg	1	01/15/25	TH	SW6010D
Antimony	< 3.7	3.7	mg/Kg	1	01/15/25	TH	SW6010D
Selenium	< 1.5	1.5	mg/Kg	1	01/15/25	TH	SW6010D
Thallium	< 3.3	3.3	mg/Kg	1	01/15/25	TH	SW6010D
Zinc	48.3	0.7	mg/Kg	1	01/15/25	TH	SW6010D
Percent Solid	95		%		01/14/25	CV	SW846-%Solid
Soil Extraction for Herbicide	Completed				01/17/25	Y/MQ/D	SW3546
Soil Extraction for Pesticide	Completed				01/15/25	H/U	SW3546
Total Metals Digest	Completed				01/14/25	N/AG	SW3050B

Chlorinated Herbicides


2,4,5-T	ND	0.13	mg/Kg	10	01/21/25	KCA	SW8151A
2,4,5-TP (Silvex)	ND	0.13	mg/Kg	10	01/21/25	KCA	SW8151A
2,4-D	ND	0.26	mg/Kg	10	01/21/25	KCA	SW8151A
2,4-DB	ND	2.6	mg/Kg	10	01/21/25	KCA	SW8151A
Dalapon	ND	0.13	mg/Kg	10	01/21/25	KCA	SW8151A
Dicamba	ND	0.13	mg/Kg	10	01/21/25	KCA	SW8151A
Dichloroprop	ND	0.26	mg/Kg	10	01/21/25	KCA	SW8151A
Dinoseb	ND	0.26	mg/Kg	10	01/21/25	KCA	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>QA/QC Surrogates</u></b>							
% DCAA	82		%	10	01/21/25	KCA	30 - 150 %
% DCAA (Confirmation)	72		%	10	01/21/25	KCA	30 - 150 %
<b><u>Pesticides</u></b>							
4,4' -DDD	ND	0.0068	mg/Kg	2	01/16/25	AW	SW8081B
4,4' -DDE	0.02	0.0068	mg/Kg	2	01/16/25	AW	SW8081B
4,4' -DDT	0.015	0.0068	mg/Kg	2	01/16/25	AW	SW8081B
a-BHC	ND	0.0068	mg/Kg	2	01/16/25	AW	SW8081B
Alachlor	ND	0.0068	mg/Kg	2	01/16/25	AW	SW8081B
Aldrin	ND	0.0034	mg/Kg	2	01/16/25	AW	SW8081B
b-BHC	ND	0.0068	mg/Kg	2	01/16/25	AW	SW8081B
Chlordane	0.044	0.034	mg/Kg	2	01/16/25	AW	SW8081B
d-BHC	ND	0.0068	mg/Kg	2	01/16/25	AW	SW8081B
Dieldrin	ND	0.0034	mg/Kg	2	01/16/25	AW	SW8081B
Endosulfan I	ND	0.0068	mg/Kg	2	01/16/25	AW	SW8081B
Endosulfan II	ND	0.0068	mg/Kg	2	01/16/25	AW	SW8081B
Endosulfan sulfate	ND	0.0068	mg/Kg	2	01/16/25	AW	SW8081B
Endrin	ND	0.0068	mg/Kg	2	01/16/25	AW	SW8081B
Endrin aldehyde	ND	0.0068	mg/Kg	2	01/16/25	AW	SW8081B
Endrin ketone	ND	0.0068	mg/Kg	2	01/16/25	AW	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	01/16/25	AW	SW8081B
Heptachlor	ND	0.0068	mg/Kg	2	01/16/25	AW	SW8081B
Heptachlor epoxide	ND	0.0068	mg/Kg	2	01/16/25	AW	SW8081B
Methoxychlor	ND	0.034	mg/Kg	2	01/16/25	AW	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	01/16/25	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	56		%	2	01/16/25	AW	30 - 150 %
% DCBP (Confirmation)	54		%	2	01/16/25	AW	30 - 150 %
% TCMX	54		%	2	01/16/25	AW	30 - 150 %
% TCMX (Confirmation)	53		%	2	01/16/25	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
 QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
 If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
 The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

  
**Phyllis Shiller, Laboratory Director**  
 January 22, 2025  
 Reviewed and Released by: Sarah Bell, Project Manager



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 22, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#: L5247468

Custody Information

Collected by:  
Received by: B  
Analyzed by: see "By" below

Date

01/13/25  
01/14/25

Time

16:00  
14:29

Laboratory Data

SDG ID: GCS43744  
Phoenix ID: CS43751

Project ID: L5247468 500 VETERANS MEMORIAL  
Client ID: SE-114 (0-15') COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36	mg/Kg	1	01/15/25	TH	SW6010D
Arsenic	5.01	0.71	mg/Kg	1	01/15/25	TH	SW6010D
Beryllium	0.53	0.28	mg/Kg	1	01/15/25	TH	SW6010D
Cadmium	< 0.36	0.36	mg/Kg	1	01/15/25	TH	SW6010D
Chromium	11.2	0.36	mg/Kg	1	01/15/25	TH	SW6010D
Copper	11.7	0.7	mg/kg	1	01/15/25	TH	SW6010D
Mercury	< 0.21	0.21	mg/Kg	6	01/15/25	KCA	SW7473
Nickel	13.5	0.36	mg/Kg	1	01/15/25	TH	SW6010D
Lead	8.54	0.36	mg/Kg	1	01/15/25	TH	SW6010D
Antimony	< 3.6	3.6	mg/Kg	1	01/15/25	TH	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	01/15/25	TH	SW6010D
Thallium	< 3.2	3.2	mg/Kg	1	01/15/25	TH	SW6010D
Zinc	36.0	0.7	mg/Kg	1	01/15/25	TH	SW6010D
Percent Solid	95		%		01/14/25	CV	SW846-%Solid
Soil Extraction for Herbicide	Completed				01/17/25	Y/MQ/D	SW3546
Soil Extraction for Pesticide	Completed				01/15/25	H/U	SW3546
Total Metals Digest	Completed				01/14/25	N/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	0.13	mg/Kg	10	01/21/25	KCA	SW8151A
2,4,5-TP (Silvex)	ND	0.13	mg/Kg	10	01/21/25	KCA	SW8151A
2,4-D	ND	0.26	mg/Kg	10	01/21/25	KCA	SW8151A
2,4-DB	ND	2.6	mg/Kg	10	01/21/25	KCA	SW8151A
Dalapon	ND	0.13	mg/Kg	10	01/21/25	KCA	SW8151A
Dicamba	ND	0.13	mg/Kg	10	01/21/25	KCA	SW8151A
Dichloroprop	ND	0.26	mg/Kg	10	01/21/25	KCA	SW8151A
Dinoseb	ND	0.26	mg/Kg	10	01/21/25	KCA	SW8151A

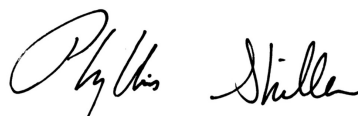
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>QA/QC Surrogates</u></b>							
% DCAA	87		%	10	01/21/25	KCA	30 - 150 %
% DCAA (Confirmation)	77		%	10	01/21/25	KCA	30 - 150 %
<b><u>Pesticides</u></b>							
4,4' -DDD	ND	0.0068	mg/Kg	2	01/17/25	AW	SW8081B
4,4' -DDE	ND	0.0068	mg/Kg	2	01/17/25	AW	SW8081B
4,4' -DDT	ND	0.0068	mg/Kg	2	01/17/25	AW	SW8081B
a-BHC	ND	0.0068	mg/Kg	2	01/17/25	AW	SW8081B
Alachlor	ND	0.0068	mg/Kg	2	01/17/25	AW	SW8081B
Aldrin	ND	0.0034	mg/Kg	2	01/17/25	AW	SW8081B
b-BHC	ND	0.0068	mg/Kg	2	01/17/25	AW	SW8081B
Chlordane	ND	0.034	mg/Kg	2	01/17/25	AW	SW8081B
d-BHC	ND	0.0068	mg/Kg	2	01/17/25	AW	SW8081B
Dieldrin	ND	0.0034	mg/Kg	2	01/17/25	AW	SW8081B
Endosulfan I	ND	0.0068	mg/Kg	2	01/17/25	AW	SW8081B
Endosulfan II	ND	0.0068	mg/Kg	2	01/17/25	AW	SW8081B
Endosulfan sulfate	ND	0.0068	mg/Kg	2	01/17/25	AW	SW8081B
Endrin	ND	0.0068	mg/Kg	2	01/17/25	AW	SW8081B
Endrin aldehyde	ND	0.0068	mg/Kg	2	01/17/25	AW	SW8081B
Endrin ketone	ND	0.0068	mg/Kg	2	01/17/25	AW	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	01/17/25	AW	SW8081B
Heptachlor	ND	0.0068	mg/Kg	2	01/17/25	AW	SW8081B
Heptachlor epoxide	ND	0.0068	mg/Kg	2	01/17/25	AW	SW8081B
Methoxychlor	ND	0.034	mg/Kg	2	01/17/25	AW	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	01/17/25	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	68		%	2	01/17/25	AW	30 - 150 %
% DCBP (Confirmation)	42		%	2	01/17/25	AW	30 - 150 %
% TCMX	51		%	2	01/17/25	AW	30 - 150 %
% TCMX (Confirmation)	51		%	2	01/17/25	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 22, 2025**

**Reviewed and Released by: Sarah Bell, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102

# QA/QC Report

January 22, 2025

## QA/QC Data

SDG I.D.: GCS43744

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 766488 (mg/kg), QC Sample No: CS43423 4.8X (CS43744, CS43745, CS43746, CS43747)

Mercury - Soil	BRL	0.2	<0.23	<0.23	NC	98.9			59.0			70 - 130	30	m
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Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 766489 (mg/kg), QC Sample No: CS43748 6.1X (CS43748, CS43749, CS43750, CS43751)

Mercury - Soil	BRL	0.2	<0.22	<0.22	NC	80.7			76.6			70 - 130	30	
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Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 766414 (mg/kg), QC Sample No: CS43726 (CS43744, CS43745, CS43746, CS43747, CS43748, CS43749, CS43750, CS43751)

### ICP Metals - Soil

Antimony	BRL	3.3	<3.2	<3.2	NC	88.8	84.3	5.2	88.8			75 - 125	30	
Arsenic	BRL	0.67	1.25	1.37	NC	97.9	91.5	6.8	94.6			75 - 125	30	
Beryllium	BRL	0.27	0.30	<0.26	NC	103	96.1	6.9	97.9			75 - 125	30	
Cadmium	BRL	0.33	<0.32	<0.32	NC	98.2	94.8	3.5	93.4			75 - 125	30	
Chromium	BRL	0.33	18.4	16.3	12.1	101	94.4	6.8	98.0			75 - 125	30	
Copper	BRL	0.67	18.2	25.1	31.9	105	97.7	7.2	105			75 - 125	30	r
Lead	BRL	0.33	3.85	3.93	2.10	103	97.4	5.6	100			75 - 125	30	
Nickel	BRL	0.33	13.1	12.1	7.90	101	95.1	6.0	94.8			75 - 125	30	
Selenium	BRL	1.3	<1.3	<1.3	NC	89.8	84.1	6.6	83.5			75 - 125	30	
Silver	BRL	0.33	<0.32	<0.32	NC	103	97.2	5.8	99.8			75 - 125	30	
Thallium	BRL	3.0	<2.8	<2.9	NC	101	97.5	3.5	94.9			75 - 125	30	
Zinc	BRL	0.67	31.5	31.3	0.60	103	96.4	6.6	94.9			75 - 125	30	

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

m = This parameter is outside laboratory MS/MSD specified recovery limits.  
 r = This parameter is outside laboratory RPD specified recovery limits.



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102

# QA/QC Report

January 22, 2025

## QA/QC Data

SDG I.D.: GCS43744

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 767082 (mg/Kg), QC Sample No: CS43744 10X (CS43744, CS43745, CS43746, CS43747, CS43748, CS43749, CS43750, CS43751)										
<b>Chlorinated Herbicides - Soil</b>										
2,4,5-T	ND	0.13	44	42	4.7	38	41	7.6	40 - 140	30
2,4,5-TP (Silvex)	ND	0.13	65	61	6.3	56	61	8.5	40 - 140	30
2,4-D	ND	0.25	65	48	30.1	47	61	25.9	40 - 140	30
2,4-DB	ND	2.5	34	41	18.7	33	36	8.7	40 - 140	30
Dalapon	ND	0.13	54	46	16.0	56	57	1.8	40 - 140	30
Dicamba	ND	0.13	74	71	4.1	64	74	14.5	40 - 140	30
Dichloroprop	ND	0.13	77	75	2.6	73	76	4.0	40 - 140	30
Dinoseb	ND	0.13	93	58	46.4	81	90	10.5	40 - 140	30
% DCAA (Surrogate Rec)	83	%	92	89	3.3	150	90	50.0	30 - 150	30
% DCAA (Surrogate Rec) (Confirm)	69	%	81	76	6.4	116	82	34.3	30 - 150	30

Comment:

8151 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 766579 (mg/Kg), QC Sample No: CS44791 2X (CS43744, CS43745, CS43746, CS43747, CS43748, CS43749, CS43750, CS43751)

## Pesticides - Soil

4,4' -DDD	ND	0.0017	52	53	1.9	63	70	10.5	40 - 140	30
4,4' -DDE	ND	0.0017	44	46	4.4	61	66	7.9	40 - 140	30
4,4' -DDT	ND	0.0017	48	53	9.9	64	70	9.0	40 - 140	30
a-BHC	ND	0.001	46	49	6.3	62	67	7.8	40 - 140	30
Alachlor	ND	0.0033	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	0.001	45	46	2.2	62	64	3.2	40 - 140	30
b-BHC	ND	0.001	48	49	2.1	65	67	3.0	40 - 140	30
Chlordane	ND	0.033	50	53	5.8	80	79	1.3	40 - 140	30
d-BHC	ND	0.0033	45	47	4.3	66	72	8.7	40 - 140	30
Dieldrin	ND	0.001	46	48	4.3	62	68	9.2	40 - 140	30
Endosulfan I	ND	0.0033	47	47	0.0	66	69	4.4	40 - 140	30
Endosulfan II	ND	0.0033	51	54	5.7	60	69	14.0	40 - 140	30
Endosulfan sulfate	ND	0.0033	50	50	0.0	65	71	8.8	40 - 140	30
Endrin	ND	0.0033	48	50	4.1	65	69	6.0	40 - 140	30
Endrin aldehyde	ND	0.0033	51	51	0.0	52	57	9.2	40 - 140	30
Endrin ketone	ND	0.0033	52	54	3.8	69	76	9.7	40 - 140	30
g-BHC	ND	0.001	51	67	27.1	78	71	9.4	40 - 140	30
Heptachlor	ND	0.0033	44	44	0.0	60	63	4.9	40 - 140	30
Heptachlor epoxide	ND	0.0033	44	45	2.2	62	65	4.7	40 - 140	30
Methoxychlor	ND	0.0033	46	48	4.3	62	68	9.2	40 - 140	30
Toxaphene	ND	0.13	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	52	%	48	49	2.1	63	70	10.5	30 - 150	30
% DCBP (Confirmation)	51	%	48	55	13.6	62	68	9.2	30 - 150	30
% TCMX	51	%	47	48	2.1	63	65	3.1	30 - 150	30

QA/QC Data

SDG I.D.: GCS43744

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
% TCMX (Confirmation)	45	%	46	49	6.3	60	63	4.9	30 - 150	30

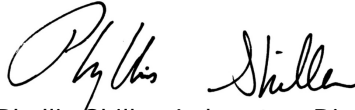
Comment:

8081 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.  
r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference
- (ISO) - Isotope Dilution

  
Phyllis Shiller, Laboratory Director  
January 22, 2025

Wednesday, January 22, 2025

Criteria: RI: GA LEACH, RC

State: RI

## Sample Criteria Exceedances Report

GCS43744 - SAGE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CS43750	AS-SM	Arsenic	RI / Direct Exposure Criteria / Inorganics (Res)	7.89	0.73	7	7	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Comments

January 22, 2025

SDG I.D.: GCS43744

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

### ***Herbicide Narration***

**AU-ECD2 01/21/25-1:** CS43750, CS43751

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CS43750, CS43751

Preceding CC 121B003 - None.

Succeeding CC 121B016 - 2,4-DB (12) 22%L (20%)

### ***PEST Narration***

**AU-ECD35 01/16/25-1:** CS43744, CS43747, CS43750

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CS43744, CS43747, CS43750

Preceding CC 116B032 - Endosulfan II 21%L (20%)

Succeeding CC 116B046 - Endosulfan II 23%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

**AU-ECD4 01/16/25-1:** CS43745, CS43746, CS43748, CS43749

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CS43745, CS43746

Preceding CC 116B056 - Endrin Ketone 28%H (20%)

Succeeding CC 116B067 - None.

Samples: CS43748, CS43749

Preceding CC 116B067 - None.

Succeeding CC 116B077 - Endrin 21%L (20%), Endrin Ketone 22%H (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.





Monday, January 20, 2025

Attn:  
Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Project ID: L5247468-500 VETERANS MEMORIAL PKWY  
SDG ID: GCS44974  
Sample ID#s: CS44974 - CS44979

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## SDG Comments

January 20, 2025

SDG I.D.: GCS44974

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### RI Leachability:

Some analytes were evaluated below the lowest calibration standard in order to meet the requested criteria. The requested criteria could not be achieved for some analytes because the limit of detection (LOD) was greater than the criteria.



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Sample Id Cross Reference

January 20, 2025

SDG I.D.: GCS44974

Project ID: L5247468-500 VETERANS MEMORIAL PKWY

---

Client Id	Lab Id	Matrix	Col Date
SE-107 (5-8`)	CS44974	SOIL	01/14/25 14:00
SE-108 (5-8.5`)	CS44975	SOIL	01/14/25 13:00
SE-109 (10-14`)	CS44976	SOIL	01/14/25 12:00
SE-110 (0-3`)	CS44977	SOIL	01/14/25 11:00
SE-111 (10-13`)	CS44978	SOIL	01/14/25 10:00
SE-112 (5-8`)	CS44979	SOIL	01/14/25 9:00



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 20, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

Custody Information

Collected by: RR  
Received by: SR1  
Analyzed by: see "By" below

Date

01/14/25  
01/15/25

Time

14:00  
14:45

Laboratory Data

SDG ID: GCS44974  
Phoenix ID: CS44974

Project ID: L5247468-500 VETERANS MEMORIAL PKWY  
Client ID: SE-107 (5-8')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	96		%		01/15/25	CV	SW846-%Solid
Field Extraction	Completed				01/14/25		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.0032	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloroethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloroethene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloropropene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.00054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichloroethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichloropropane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,3-Dichloropropane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
2,2-Dichloropropane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
2-Chlorotoluene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
2-Hexanone	ND	0.027	mg/Kg	1	01/18/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
4-Chlorotoluene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.027	mg/Kg	1	01/18/25	JLI	SW8260D
Acetone	ND	0.27	mg/Kg	1	01/18/25	JLI	SW8260D
Acrylonitrile	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Benzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Bromobenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Bromochloromethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Bromodichloromethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Bromoform	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Bromomethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Carbon Disulfide	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Carbon tetrachloride	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Chlorobenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Chloroethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Chloroform	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Chloromethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Dibromochloromethane	ND	0.0032	mg/Kg	1	01/18/25	JLI	SW8260D
Dibromomethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Dichlorodifluoromethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Ethylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Hexachlorobutadiene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Isopropylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
m&p-Xylene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	0.032	mg/Kg	1	01/18/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	01/18/25	JLI	SW8260D
Methylene chloride	ND	0.011	mg/Kg	1	01/18/25	JLI	SW8260D
Naphthalene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
n-Butylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
n-Propylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
o-Xylene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
p-Isopropyltoluene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
sec-Butylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Styrene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
tert-Butylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Tetrachloroethene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	01/18/25	JLI	SW8260D
Toluene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Total Xylenes	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	01/18/25	JLI	SW8260D
Trichloroethene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Trichlorofluoromethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	0.011	mg/Kg	1	01/18/25	JLI	SW8260D
Vinyl chloride	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D

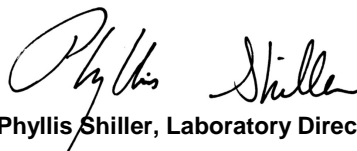
**QA/QC Surrogates**

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	94		%	1	01/18/25	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	01/18/25	JLI	70 - 130 %
% Dibromofluoromethane	99		%	1	01/18/25	JLI	70 - 130 %
% Toluene-d8	91		%	1	01/18/25	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 20, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 20, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

Custody Information

Collected by: RR  
Received by: SR1  
Analyzed by: see "By" below

Date

01/14/25  
01/15/25

Time

13:00  
14:45

Laboratory Data

SDG ID: GCS44974  
Phoenix ID: CS44975

Project ID: L5247468-500 VETERANS MEMORIAL PKWY  
Client ID: SE-108 (5-8.5')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	95		%		01/15/25	CV	SW846-%Solid
Field Extraction	Completed				01/14/25		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.004	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloroethane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloroethene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloropropene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.00066	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichloroethane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichloropropane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,3-Dichloropropane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
2,2-Dichloropropane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
2-Chlorotoluene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
2-Hexanone	ND	0.033	mg/Kg	1	01/18/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
4-Chlorotoluene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.033	mg/Kg	1	01/18/25	JLI	SW8260D
Acetone	ND	0.33	mg/Kg	1	01/18/25	JLI	SW8260D
Acrylonitrile	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Benzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Bromobenzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Bromochloromethane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Bromodichloromethane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Bromoform	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Bromomethane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Carbon Disulfide	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Carbon tetrachloride	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Chlorobenzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Chloroethane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Chloroform	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Chloromethane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Dibromochloromethane	ND	0.004	mg/Kg	1	01/18/25	JLI	SW8260D
Dibromomethane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Dichlorodifluoromethane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Ethylbenzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Hexachlorobutadiene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Isopropylbenzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
m&p-Xylene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	0.04	mg/Kg	1	01/18/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.013	mg/Kg	1	01/18/25	JLI	SW8260D
Methylene chloride	ND	0.013	mg/Kg	1	01/18/25	JLI	SW8260D
Naphthalene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
n-Butylbenzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
n-Propylbenzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
o-Xylene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
p-Isopropyltoluene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
sec-Butylbenzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Styrene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
tert-Butylbenzene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Tetrachloroethene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	0.013	mg/Kg	1	01/18/25	JLI	SW8260D
Toluene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Total Xylenes	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	0.013	mg/Kg	1	01/18/25	JLI	SW8260D
Trichloroethene	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Trichlorofluoromethane	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	0.013	mg/Kg	1	01/18/25	JLI	SW8260D
Vinyl chloride	ND	0.0066	mg/Kg	1	01/18/25	JLI	SW8260D

**QA/QC Surrogates**

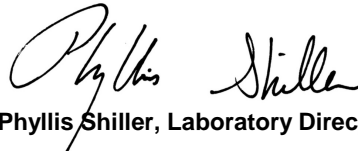
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	96		%	1	01/18/25	JLI	70 - 130 %
% Bromofluorobenzene	97		%	1	01/18/25	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	01/18/25	JLI	70 - 130 %
% Toluene-d8	92		%	1	01/18/25	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 20, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 20, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

Custody Information

Collected by: RR  
Received by: SR1  
Analyzed by: see "By" below

Date

01/14/25  
01/15/25

Time

12:00  
14:45

Laboratory Data

SDG ID: GCS44974  
Phoenix ID: CS44976

Project ID: L5247468-500 VETERANS MEMORIAL PKWY  
Client ID: SE-109 (10-14`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	97		%		01/15/25	CV	SW846-%Solid
Field Extraction	Completed				01/14/25		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.0036	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloroethane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloroethene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloropropene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.0006	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichloroethane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichloropropane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,3-Dichloropropane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
2,2-Dichloropropane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
2-Chlorotoluene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
2-Hexanone	ND	0.03	mg/Kg	1	01/18/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
4-Chlorotoluene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.03	mg/Kg	1	01/18/25	JLI	SW8260D
Acetone	ND	0.3	mg/Kg	1	01/18/25	JLI	SW8260D
Acrylonitrile	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Benzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Bromobenzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Bromochloromethane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Bromodichloromethane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Bromoform	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Bromomethane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Carbon Disulfide	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Carbon tetrachloride	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Chlorobenzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Chloroethane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Chloroform	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Chloromethane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Dibromochloromethane	ND	0.0036	mg/Kg	1	01/18/25	JLI	SW8260D
Dibromomethane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Dichlorodifluoromethane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Ethylbenzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Hexachlorobutadiene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Isopropylbenzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
m&p-Xylene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	0.036	mg/Kg	1	01/18/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.012	mg/Kg	1	01/18/25	JLI	SW8260D
Methylene chloride	ND	0.012	mg/Kg	1	01/18/25	JLI	SW8260D
Naphthalene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
n-Butylbenzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
n-Propylbenzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
o-Xylene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
p-Isopropyltoluene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
sec-Butylbenzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Styrene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
tert-Butylbenzene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Tetrachloroethene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	0.012	mg/Kg	1	01/18/25	JLI	SW8260D
Toluene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Total Xylenes	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	0.012	mg/Kg	1	01/18/25	JLI	SW8260D
Trichloroethene	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Trichlorofluoromethane	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	0.012	mg/Kg	1	01/18/25	JLI	SW8260D
Vinyl chloride	ND	0.006	mg/Kg	1	01/18/25	JLI	SW8260D

**QA/QC Surrogates**

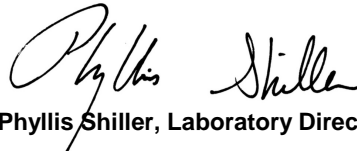
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	97		%	1	01/18/25	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	01/18/25	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	01/18/25	JLI	70 - 130 %
% Toluene-d8	90		%	1	01/18/25	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 20, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 20, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

Custody Information

Collected by: RR  
Received by: SR1  
Analyzed by: see "By" below

Date

01/14/25  
01/15/25

Time

11:00  
14:45

Laboratory Data

SDG ID: GCS44974  
Phoenix ID: CS44977

Project ID: L5247468-500 VETERANS MEMORIAL PKWY  
Client ID: SE-110 (0-3')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	90		%		01/15/25	CV	SW846-%Solid
Field Extraction	Completed				01/14/25		SW5035A

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.0032	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloroethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloroethene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloropropene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.00054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichloroethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichloropropane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,3-Dichloropropane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
2,2-Dichloropropane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
2-Chlorotoluene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
2-Hexanone	ND	0.027	mg/Kg	1	01/18/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
4-Chlorotoluene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.027	mg/Kg	1	01/18/25	JLI	SW8260D
Acetone	ND	0.27	mg/Kg	1	01/18/25	JLI	SW8260D
Acrylonitrile	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Benzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Bromobenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Bromochloromethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Bromodichloromethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Bromoform	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Bromomethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Carbon Disulfide	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Carbon tetrachloride	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Chlorobenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Chloroethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Chloroform	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Chloromethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Dibromochloromethane	ND	0.0032	mg/Kg	1	01/18/25	JLI	SW8260D
Dibromomethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Dichlorodifluoromethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Ethylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Hexachlorobutadiene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Isopropylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
m&p-Xylene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	0.032	mg/Kg	1	01/18/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	01/18/25	JLI	SW8260D
Methylene chloride	ND	0.011	mg/Kg	1	01/18/25	JLI	SW8260D
Naphthalene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
n-Butylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
n-Propylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
o-Xylene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
p-Isopropyltoluene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
sec-Butylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Styrene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
tert-Butylbenzene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Tetrachloroethene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	01/18/25	JLI	SW8260D
Toluene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Total Xylenes	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	01/18/25	JLI	SW8260D
Trichloroethene	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Trichlorofluoromethane	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	0.011	mg/Kg	1	01/18/25	JLI	SW8260D
Vinyl chloride	ND	0.0054	mg/Kg	1	01/18/25	JLI	SW8260D

**QA/QC Surrogates**

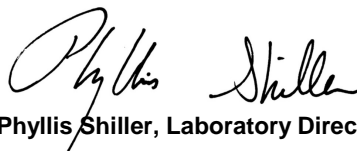
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	95		%	1	01/18/25	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	01/18/25	JLI	70 - 130 %
% Dibromofluoromethane	100		%	1	01/18/25	JLI	70 - 130 %
% Toluene-d8	90		%	1	01/18/25	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 20, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

# Analysis Report

January 20, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

Custody Information

Collected by: RR  
Received by: SR1  
Analyzed by: see "By" below

Date

01/14/25  
01/15/25

Time

10:00  
14:45

## Laboratory Data

SDG ID: GCS44974  
Phoenix ID: CS44978

Project ID: L5247468-500 VETERANS MEMORIAL PKWY  
Client ID: SE-111 (10-13`)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	97		%		01/15/25	CV	SW846-%Solid
Field Extraction	Completed				01/14/25		SW5035A

### Volatiles

1,1,1,2-Tetrachloroethane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.0031	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloroethane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloroethene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloropropene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.00051	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichloroethane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichloropropane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,3-Dichloropropane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
2,2-Dichloropropane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
2-Chlorotoluene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
2-Hexanone	ND	0.026	mg/Kg	1	01/18/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
4-Chlorotoluene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.026	mg/Kg	1	01/18/25	JLI	SW8260D
Acetone	ND	0.26	mg/Kg	1	01/18/25	JLI	SW8260D
Acrylonitrile	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Benzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Bromobenzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Bromochloromethane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Bromodichloromethane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Bromoform	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Bromomethane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Carbon Disulfide	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Carbon tetrachloride	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Chlorobenzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Chloroethane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Chloroform	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Chloromethane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Dibromochloromethane	ND	0.0031	mg/Kg	1	01/18/25	JLI	SW8260D
Dibromomethane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Dichlorodifluoromethane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Ethylbenzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Hexachlorobutadiene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Isopropylbenzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
m&p-Xylene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	0.031	mg/Kg	1	01/18/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.01	mg/Kg	1	01/18/25	JLI	SW8260D
Methylene chloride	ND	0.01	mg/Kg	1	01/18/25	JLI	SW8260D
Naphthalene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
n-Butylbenzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
n-Propylbenzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
o-Xylene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
p-Isopropyltoluene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
sec-Butylbenzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Styrene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
tert-Butylbenzene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Tetrachloroethene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	0.01	mg/Kg	1	01/18/25	JLI	SW8260D
Toluene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Total Xylenes	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	0.01	mg/Kg	1	01/18/25	JLI	SW8260D
Trichloroethene	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Trichlorofluoromethane	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	0.01	mg/Kg	1	01/18/25	JLI	SW8260D
Vinyl chloride	ND	0.0051	mg/Kg	1	01/18/25	JLI	SW8260D

**QA/QC Surrogates**

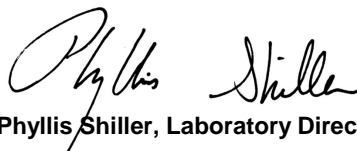
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	95		%	1	01/18/25	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	01/18/25	JLI	70 - 130 %
% Dibromofluoromethane	98		%	1	01/18/25	JLI	70 - 130 %
% Toluene-d8	90		%	1	01/18/25	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 20, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



### Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

## Analysis Report

January 20, 2025

FOR: Attn:  
Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

#### Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

#### Custody Information

Collected by: RR  
Received by: SR1  
Analyzed by: see "By" below

#### Date

01/14/25  
01/15/25

#### Time

9:00  
14:45

### Laboratory Data

SDG ID: GCS44974  
Phoenix ID: CS44979

Project ID: L5247468-500 VETERANS MEMORIAL PKWY  
Client ID: SE-112 (5-8')

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	97		%		01/15/25	CV	SW846-%Solid
Field Extraction	Completed				01/14/25		SW5035A

#### Volatiles

1,1,1,2-Tetrachloroethane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,1-Trichloroethane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.0032	mg/Kg	1	01/18/25	JLI	SW8260D
1,1,2-Trichloroethane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloroethane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloroethene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,1-Dichloropropene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,3-Trichlorobenzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,3-Trichloropropane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,4-Trichlorobenzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,2,4-Trimethylbenzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dibromoethane	ND	0.00053	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichlorobenzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichloroethane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,2-Dichloropropane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,3,5-Trimethylbenzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,3-Dichlorobenzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,3-Dichloropropane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
1,4-Dichlorobenzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
2,2-Dichloropropane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
2-Chlorotoluene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
2-Hexanone	ND	0.027	mg/Kg	1	01/18/25	JLI	SW8260D

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
2-Isopropyltoluene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
4-Chlorotoluene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
4-Methyl-2-pentanone	ND	0.027	mg/Kg	1	01/18/25	JLI	SW8260D
Acetone	ND	0.27	mg/Kg	1	01/18/25	JLI	SW8260D
Acrylonitrile	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Benzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Bromobenzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Bromochloromethane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Bromodichloromethane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Bromoform	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Bromomethane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Carbon Disulfide	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Carbon tetrachloride	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Chlorobenzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Chloroethane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Chloroform	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Chloromethane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
cis-1,2-Dichloroethene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
cis-1,3-Dichloropropene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Dibromochloromethane	ND	0.0032	mg/Kg	1	01/18/25	JLI	SW8260D
Dibromomethane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Dichlorodifluoromethane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Ethylbenzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Hexachlorobutadiene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Isopropylbenzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
m&p-Xylene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Methyl Ethyl Ketone	ND	0.032	mg/Kg	1	01/18/25	JLI	SW8260D
Methyl t-butyl ether (MTBE)	ND	0.011	mg/Kg	1	01/18/25	JLI	SW8260D
Methylene chloride	ND	0.011	mg/Kg	1	01/18/25	JLI	SW8260D
Naphthalene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
n-Butylbenzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
n-Propylbenzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
o-Xylene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
p-Isopropyltoluene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
sec-Butylbenzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Styrene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
tert-Butylbenzene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Tetrachloroethene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Tetrahydrofuran (THF)	ND	0.011	mg/Kg	1	01/18/25	JLI	SW8260D
Toluene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Total Xylenes	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,2-Dichloroethene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,3-Dichloropropene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
trans-1,4-dichloro-2-butene	ND	0.011	mg/Kg	1	01/18/25	JLI	SW8260D
Trichloroethene	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Trichlorofluoromethane	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D
Trichlorotrifluoroethane	ND	0.011	mg/Kg	1	01/18/25	JLI	SW8260D
Vinyl chloride	ND	0.0053	mg/Kg	1	01/18/25	JLI	SW8260D

**QA/QC Surrogates**

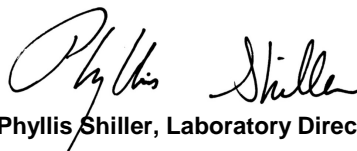
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% 1,2-dichlorobenzene-d4	96		%	1	01/18/25	JLI	70 - 130 %
% Bromofluorobenzene	98		%	1	01/18/25	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	01/18/25	JLI	70 - 130 %
% Toluene-d8	91		%	1	01/18/25	JLI	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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**Phyllis Shiller, Laboratory Director**

**January 20, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102

# QA/QC Report

January 20, 2025

## QA/QC Data

SDG I.D.: GCS44974

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 767249 (mg/Kg), QC Sample No: CS44889 (CS44974, CS44975, CS44976, CS44977, CS44978, CS44979)										
<b>Volatiles - Soil (Low Level)</b>										
1,1,1,2-Tetrachloroethane	ND	0.005	99	106	6.8	84	87	3.5	70 - 130	20
1,1,1-Trichloroethane	ND	0.005	104	112	7.4	89	95	6.5	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	0.003	92	95	3.2	84	91	8.0	70 - 130	20
1,1,2-Trichloroethane	ND	0.005	102	107	4.8	85	91	6.8	70 - 130	20
1,1-Dichloroethane	ND	0.005	105	113	7.3	91	96	5.3	70 - 130	20
1,1-Dichloroethene	ND	0.005	105	114	8.2	91	96	5.3	70 - 130	20
1,1-Dichloropropene	ND	0.005	102	109	6.6	89	94	5.5	70 - 130	20
1,2,3-Trichlorobenzene	ND	0.005	97	102	5.0	80	84	4.9	70 - 130	20
1,2,3-Trichloropropane	ND	0.005	97	103	6.0	81	88	8.3	70 - 130	20
1,2,4-Trichlorobenzene	ND	0.005	95	98	3.1	76	79	3.9	70 - 130	20
1,2,4-Trimethylbenzene	ND	0.001	98	102	4.0	84	87	3.5	70 - 130	20
1,2-Dibromo-3-chloropropane	ND	0.005	101	108	6.7	84	91	8.0	70 - 130	20
1,2-Dibromoethane	ND	0.005	97	105	7.9	83	87	4.7	70 - 130	20
1,2-Dichlorobenzene	ND	0.005	99	104	4.9	83	87	4.7	70 - 130	20
1,2-Dichloroethane	ND	0.005	99	104	4.9	83	88	5.8	70 - 130	20
1,2-Dichloropropane	ND	0.005	105	111	5.6	91	95	4.3	70 - 130	20
1,3,5-Trimethylbenzene	ND	0.001	99	103	4.0	85	89	4.6	70 - 130	20
1,3-Dichlorobenzene	ND	0.005	97	101	4.0	81	83	2.4	70 - 130	20
1,3-Dichloropropane	ND	0.005	98	106	7.8	85	89	4.6	70 - 130	20
1,4-Dichlorobenzene	ND	0.005	98	103	5.0	81	85	4.8	70 - 130	20
2,2-Dichloropropane	ND	0.005	105	114	8.2	91	94	3.2	70 - 130	20
2-Chlorotoluene	ND	0.005	102	107	4.8	86	91	5.6	70 - 130	20
2-Hexanone	ND	0.025	89	96	7.6	72	81	11.8	70 - 130	20
2-Isopropyltoluene	ND	0.005	102	107	4.8	89	93	4.4	70 - 130	20
4-Chlorotoluene	ND	0.005	101	105	3.9	85	88	3.5	70 - 130	20
4-Methyl-2-pentanone	ND	0.025	101	107	5.8	83	90	8.1	70 - 130	20
Acetone	ND	0.01	90	100	10.5	62	70	12.1	70 - 130	20 m
Acrylonitrile	ND	0.005	102	110	7.5	81	92	12.7	70 - 130	20
Benzene	ND	0.001	102	109	6.6	89	92	3.3	70 - 130	20
Bromobenzene	ND	0.005	101	105	3.9	85	89	4.6	70 - 130	20
Bromochloromethane	ND	0.005	103	112	8.4	87	91	4.5	70 - 130	20
Bromodichloromethane	ND	0.005	102	107	4.8	85	89	4.6	70 - 130	20
Bromoform	ND	0.005	97	105	7.9	78	84	7.4	70 - 130	20
Bromomethane	ND	0.005	111	118	6.1	96	99	3.1	70 - 130	20
Carbon Disulfide	ND	0.005	109	118	7.9	92	98	6.3	70 - 130	20
Carbon tetrachloride	ND	0.005	105	115	9.1	90	97	7.5	70 - 130	20
Chlorobenzene	ND	0.005	100	106	5.8	86	88	2.3	70 - 130	20
Chloroethane	ND	0.005	111	121	8.6	97	101	4.0	70 - 130	20
Chloroform	ND	0.005	101	107	5.8	85	91	6.8	70 - 130	20
Chloromethane	ND	0.005	136	146	7.1	111	119	7.0	70 - 130	20 l
cis-1,2-Dichloroethene	ND	0.005	105	113	7.3	90	94	4.3	70 - 130	20

QA/QC Data

SDG I.D.: GCS44974

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
cis-1,3-Dichloropropene	ND	0.005	105	112	6.5	89	93	4.4	70 - 130	20
Dibromochloromethane	ND	0.003	101	107	5.8	82	87	5.9	70 - 130	20
Dibromomethane	ND	0.005	104	112	7.4	87	92	5.6	70 - 130	20
Dichlorodifluoromethane	ND	0.005	159	169	6.1	127	133	4.6	70 - 130	20
Ethylbenzene	ND	0.001	99	106	6.8	86	89	3.4	70 - 130	20
Hexachlorobutadiene	ND	0.005	100	105	4.9	89	90	1.1	70 - 130	20
Isopropylbenzene	ND	0.001	101	106	4.8	89	92	3.3	70 - 130	20
m&p-Xylene	ND	0.002	96	103	7.0	84	87	3.5	70 - 130	20
Methyl ethyl ketone	ND	0.005	97	106	8.9	75	84	11.3	70 - 130	20
Methyl t-butyl ether (MTBE)	ND	0.001	91	93	2.2	74	83	11.5	70 - 130	20
Methylene chloride	ND	0.005	100	107	6.8	83	87	4.7	70 - 130	20
Naphthalene	ND	0.005	98	104	5.9	81	87	7.1	70 - 130	20
n-Butylbenzene	ND	0.001	105	110	4.7	90	93	3.3	70 - 130	20
n-Propylbenzene	ND	0.001	102	107	4.8	89	92	3.3	70 - 130	20
o-Xylene	ND	0.002	100	107	6.8	87	90	3.4	70 - 130	20
p-Isopropyltoluene	ND	0.001	100	105	4.9	88	90	2.2	70 - 130	20
sec-Butylbenzene	ND	0.001	100	105	4.9	89	92	3.3	70 - 130	20
Styrene	ND	0.005	94	100	6.2	81	84	3.6	70 - 130	20
tert-Butylbenzene	ND	0.001	100	105	4.9	88	92	4.4	70 - 130	20
Tetrachloroethene	ND	0.005	100	107	6.8	87	90	3.4	70 - 130	20
Tetrahydrofuran (THF)	ND	0.005	103	111	7.5	83	95	13.5	70 - 130	20
Toluene	ND	0.001	103	109	5.7	89	93	4.4	70 - 130	20
trans-1,2-Dichloroethene	ND	0.005	104	112	7.4	89	93	4.4	70 - 130	20
trans-1,3-Dichloropropene	ND	0.005	105	113	7.3	88	91	3.4	70 - 130	20
trans-1,4-dichloro-2-butene	ND	0.005	108	114	5.4	87	95	8.8	70 - 130	20
Trichloroethene	ND	0.005	109	114	4.5	87	92	5.6	70 - 130	20
Trichlorofluoromethane	ND	0.005	104	113	8.3	89	94	5.5	70 - 130	20
Trichlorotrifluoroethane	ND	0.005	106	114	7.3	94	98	4.2	70 - 130	20
Vinyl chloride	ND	0.005	120	128	6.5	101	107	5.8	70 - 130	20
% 1,2-dichlorobenzene-d4	97	%	102	100	2.0	102	102	0.0	70 - 130	20
% Bromofluorobenzene	98	%	99	100	1.0	101	100	1.0	70 - 130	20
% Dibromofluoromethane	104	%	100	98	2.0	98	99	1.0	70 - 130	20
% Toluene-d8	92	%	101	101	0.0	100	99	1.0	70 - 130	20

l,m

Comment:


Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference
- (ISO) - Isotope Dilution

  
 Phyllis Shiller, Laboratory Director  
 January 20, 2025

Monday, January 20, 2025

Criteria: RI: GA LEACH, RC

State: RI

## Sample Criteria Exceedances Report

GCS44974 - SAGE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CS44974	\$8260MAR	1,2-Dibromoethane	RI / Leachability / Volatile Organics (GA)	ND	0.54	0.5	0.5	ug/Kg
CS44975	\$8260MAR	1,2-Dibromoethane	RI / Leachability / Volatile Organics (GA)	ND	0.66	0.5	0.5	ug/Kg
CS44976	\$8260MAR	1,2-Dibromoethane	RI / Leachability / Volatile Organics (GA)	ND	0.60	0.5	0.5	ug/Kg
CS44977	\$8260MAR	1,2-Dibromoethane	RI / Leachability / Volatile Organics (GA)	ND	0.54	0.5	0.5	ug/Kg
CS44978	\$8260MAR	1,2-Dibromoethane	RI / Leachability / Volatile Organics (GA)	ND	0.51	0.5	0.5	ug/Kg
CS44979	\$8260MAR	1,2-Dibromoethane	RI / Leachability / Volatile Organics (GA)	ND	0.53	0.5	0.5	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Comments

January 20, 2025

SDG I.D.: GCS44974

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The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

### **VOA Narration**

**CHEM14 01/18/25-1:** CS44974, CS44975, CS44976, CS44977, CS44978, CS44979

The following Initial Calibration compounds did not meet RSD% criteria: Acetone 31% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.





**CT/MA/RI CHAIN OF CUSTODY RECORD**

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
 Email: makrina@phoenixlabs.com Fax (860) 645-0823

Customer: SAGE  
 Address: 301 Friendship St.  
Providence, RI

Project: 6547448-500 Veterans Memorial Hwy Project P.O.  
 Report to: data@age-enviro.com  
 Invoice to: ap@age-enviro.com  
 Quote # \_\_\_\_\_

**Data Delivery/Contact Options:**

- Temp 20 °C Cooler: Yes  No   
 Coolant: IPK  ICE   
 Pg \_\_\_\_\_ of \_\_\_\_\_
- Fax: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Email: Sage

This section **MUST** be completed with **Bottle Quantities.**

**Client Sample - Information - Identification**

Sampler's Signature: [Signature] Date: 1/14/05  
 Matrix Code: **DW**=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water  
**RW**=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe **OIL**=Oil  
**B**=Bulk **L**=Liquid **X**= \_\_\_\_\_ (Other)

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
44974	SE-107 (5-F)	S	1/14/05	1400
44975	SE-108 (5-F-S)	I		1300
44976	SE-109 (10-14)	I		1200
44977	SE-110 (0-3)	I		1100
44978	SE-111 (10-13)	I		1000
44979	SE-112 (5-F)	I		900

**Analysis Request**

(See table on page 2 for analysis list)

Analysis Request	MA	CI	RI	RES DEC	IC/DEC	GA Leachability	GB Leachability	GA-GW Objectives	GB-GW Objectives	Other
Soil VOA Vials (K) Methanol H <sub>2</sub> O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil VOA Vials (K) Methanol H <sub>2</sub> O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil VOA Vials (K) Methanol H <sub>2</sub> O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil VOA Vials (K) Methanol H <sub>2</sub> O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil VOA Vials (K) Methanol H <sub>2</sub> O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Soil VOA Vials (K) Methanol H <sub>2</sub> O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil VOA Vials (K) Methanol H <sub>2</sub> O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil VOA Vials (K) Methanol H <sub>2</sub> O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil VOA Vials (K) Methanol H <sub>2</sub> O	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



Monday, January 27, 2025

Attn:  
Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Project ID: L5247468-500 VETERANS MEMORIAL  
SDG ID: GCS44980  
Sample ID#s: CS44980 - CS44985

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller

Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Sample Id Cross Reference

January 27, 2025

SDG I.D.: GCS44980

Project ID: L5247468-500 VETERANS MEMORIAL

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Client Id	Lab Id	Matrix	Col Date
SE-107 (0-10) COMP	CS44980	SOIL	01/14/25 0:00
SE-108 (0-20) COMP	CS44981	SOIL	01/14/25 0:00
SE-109 (0-15) COMP	CS44982	SOIL	01/14/25 0:00
SE-110 (0-5') COMP	CS44983	SOIL	01/14/25 0:00
SE-111 (0-15') COMP	CS44984	SOIL	01/14/25 0:00
SE-112 (0-20') COMP	CS44985	SOIL	01/14/25 0:00



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 27, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

Custody Information

Collected by: RR  
Received by: SR1  
Analyzed by: see "By" below

Date

01/14/25  
01/15/25

Time

14:45

Laboratory Data

SDG ID: GCS44980  
Phoenix ID: CS44980

Project ID: L5247468-500 VETERANS MEMORIAL  
Client ID: SE-107 (0-10) COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	1	01/16/25	CPP	SW6010D
Arsenic	9.74	0.67	mg/Kg	1	01/16/25	CPP	SW6010D
Beryllium	0.59	0.27	mg/Kg	1	01/16/25	CPP	SW6010D
Cadmium	< 0.34	0.34	mg/Kg	1	01/16/25	CPP	SW6010D
Chromium	17.1	0.34	mg/Kg	1	01/16/25	CPP	SW6010D
Copper	19.1	0.7	mg/kg	1	01/16/25	CPP	SW6010D
Mercury	< 0.21	0.21	mg/Kg	6.1	01/16/25	ZT	SW7473
Nickel	19.6	0.34	mg/Kg	1	01/16/25	CPP	SW6010D
Lead	11.2	0.34	mg/Kg	1	01/16/25	CPP	SW6010D
Antimony	< 3.4	3.4	mg/Kg	1	01/16/25	CPP	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	01/16/25	CPP	SW6010D
Thallium	< 3.0	3.0	mg/Kg	1	01/16/25	CPP	SW6010D
Zinc	49.1	0.7	mg/Kg	1	01/16/25	CPP	SW6010D
Percent Solid	95		%		01/15/25	CV	SW846-%Solid
Soil Extraction for Herbicide	Completed				01/17/25	Y/MQ	SW3546
Soil Extraction for Pesticide	Completed				01/22/25	X/U	SW3546
Total Metals Digest	Completed				01/15/25	N/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4,5-TP (Silvex)	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-D	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-DB	ND	2.6	mg/Kg	10	01/20/25	KCA	SW8151A
Dalapon	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dicamba	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dichloroprop	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
Dinoseb	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>QA/QC Surrogates</u></b>							
% DCAA	73		%	10	01/20/25	KCA	30 - 150 %
% DCAA (Confirmation)	63		%	10	01/20/25	KCA	30 - 150 %
<b><u>Pesticides</u></b>							
4,4' -DDD	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
4,4' -DDE	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
4,4' -DDT	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
a-BHC	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Alachlor	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Aldrin	ND	0.0035	mg/Kg	2	01/23/25	AW	SW8081B
b-BHC	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Chlordane	ND	0.035	mg/Kg	2	01/23/25	AW	SW8081B
d-BHC	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Dieldrin	ND	0.0035	mg/Kg	2	01/23/25	AW	SW8081B
Endosulfan I	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Endosulfan II	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Endosulfan sulfate	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Endrin	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Endrin aldehyde	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Endrin ketone	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	01/23/25	AW	SW8081B
Heptachlor	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Heptachlor epoxide	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Methoxychlor	ND	0.035	mg/Kg	2	01/23/25	AW	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	01/23/25	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	60		%	2	01/23/25	AW	30 - 150 %
% DCBP (Confirmation)	59		%	2	01/23/25	AW	30 - 150 %
% TCMX	65		%	2	01/23/25	AW	30 - 150 %
% TCMX (Confirmation)	69		%	2	01/23/25	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
 QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
 If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
 The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**  
 January 27, 2025  
 Reviewed and Released by: Ethan Lee, Project Manager



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 27, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

Custody Information

Collected by: RR  
Received by: SR1  
Analyzed by: see "By" below

Date

01/14/25  
01/15/25

Time

14:45

Laboratory Data

SDG ID: GCS44980  
Phoenix ID: CS44981

Project ID: L5247468-500 VETERANS MEMORIAL  
Client ID: SE-108 (0-20) COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.33	0.33	mg/Kg	1	01/20/25	TH	SW6010D
Arsenic	8.81	0.66	mg/Kg	1	01/20/25	TH	SW6010D
Beryllium	0.65	0.26	mg/Kg	1	01/20/25	TH	SW6010D
Cadmium	< 0.33	0.33	mg/Kg	1	01/20/25	TH	SW6010D
Chromium	17.6	0.33	mg/Kg	1	01/20/25	TH	SW6010D
Copper	21.0	0.7	mg/kg	1	01/20/25	TH	SW6010D
Mercury	< 0.21	0.21	mg/Kg	5.4	01/16/25	ZT	SW7473
Nickel	20.7	0.33	mg/Kg	1	01/20/25	TH	SW6010D
Lead	11.1	0.33	mg/Kg	1	01/20/25	TH	SW6010D
Antimony	< 3.3	3.3	mg/Kg	1	01/20/25	TH	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	01/20/25	TH	SW6010D
Thallium	< 3.0	3.0	mg/Kg	1	01/20/25	TH	SW6010D
Zinc	50.8	0.7	mg/Kg	1	01/20/25	TH	SW6010D
Percent Solid	94		%		01/15/25	CV	SW846-%Solid
Soil Extraction for Herbicide	Completed				01/17/25	Y/MQ	SW3546
Soil Extraction for Pesticide	Completed				01/22/25	X/U	SW3546
Total Metals Digest	Completed				01/17/25	B/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4,5-TP (Silvex)	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-D	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-DB	ND	2.6	mg/Kg	10	01/20/25	KCA	SW8151A
Dalapon	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dicamba	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dichloroprop	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
Dinoseb	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A

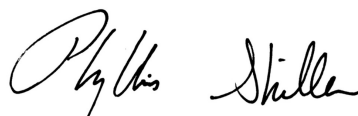
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>QA/QC Surrogates</u></b>							
% DCAA	61		%	10	01/20/25	KCA	30 - 150 %
% DCAA (Confirmation)	55		%	10	01/20/25	KCA	30 - 150 %
<b><u>Pesticides</u></b>							
4,4' -DDD	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
4,4' -DDE	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
4,4' -DDT	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
a-BHC	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Alachlor	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Aldrin	ND	0.0034	mg/Kg	2	01/23/25	AW	SW8081B
b-BHC	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Chlordane	ND	0.034	mg/Kg	2	01/23/25	AW	SW8081B
d-BHC	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Dieldrin	ND	0.0034	mg/Kg	2	01/23/25	AW	SW8081B
Endosulfan I	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Endosulfan II	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Endosulfan sulfate	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Endrin	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Endrin aldehyde	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Endrin ketone	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	01/23/25	AW	SW8081B
Heptachlor	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Heptachlor epoxide	ND	0.0069	mg/Kg	2	01/23/25	AW	SW8081B
Methoxychlor	ND	0.034	mg/Kg	2	01/23/25	AW	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	01/23/25	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	58		%	2	01/23/25	AW	30 - 150 %
% DCBP (Confirmation)	57		%	2	01/23/25	AW	30 - 150 %
% TCMX	60		%	2	01/23/25	AW	30 - 150 %
% TCMX (Confirmation)	68		%	2	01/23/25	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 27, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 27, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

Custody Information

Collected by: RR  
Received by: SR1  
Analyzed by: see "By" below

Date

01/14/25  
01/15/25

Time

14:45

Laboratory Data

SDG ID: GCS44980  
Phoenix ID: CS44982

Project ID: L5247468-500 VETERANS MEMORIAL  
Client ID: SE-109 (0-15) COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.35	0.35	mg/Kg	1	01/20/25	TH	SW6010D
Arsenic	6.33	0.69	mg/Kg	1	01/20/25	TH	SW6010D
Beryllium	0.54	0.28	mg/Kg	1	01/20/25	TH	SW6010D
Cadmium	< 0.35	0.35	mg/Kg	1	01/20/25	TH	SW6010D
Chromium	13.8	0.35	mg/Kg	1	01/20/25	TH	SW6010D
Copper	17.0	0.7	mg/kg	1	01/20/25	TH	SW6010D
Mercury	< 0.21	0.21	mg/Kg	5.9	01/16/25	ZT	SW7473
Nickel	14.4	0.35	mg/Kg	1	01/20/25	TH	SW6010D
Lead	8.73	0.35	mg/Kg	1	01/20/25	TH	SW6010D
Antimony	< 3.5	3.5	mg/Kg	1	01/20/25	TH	SW6010D
Selenium	< 1.4	1.4	mg/Kg	1	01/20/25	TH	SW6010D
Thallium	< 3.1	3.1	mg/Kg	1	01/20/25	TH	SW6010D
Zinc	34.6	0.7	mg/Kg	1	01/20/25	TH	SW6010D
Percent Solid	95		%		01/15/25	CV	SW846-%Solid
Soil Extraction for Herbicide	Completed				01/17/25	Y/MQ	SW3546
Soil Extraction for Pesticide	Completed				01/22/25	X/U	SW3546
Total Metals Digest	Completed				01/17/25	B/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4,5-TP (Silvex)	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-D	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-DB	ND	2.6	mg/Kg	10	01/20/25	KCA	SW8151A
Dalapon	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dicamba	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dichloroprop	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
Dinoseb	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A

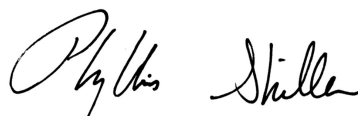
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>QA/QC Surrogates</u></b>							
% DCAA	76		%	10	01/20/25	KCA	30 - 150 %
% DCAA (Confirmation)	70		%	10	01/20/25	KCA	30 - 150 %
<b><u>Pesticides</u></b>							
4,4' -DDD	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
4,4' -DDE	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
4,4' -DDT	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
a-BHC	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Alachlor	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Aldrin	ND	0.0034	mg/Kg	2	01/24/25	AW	SW8081B
b-BHC	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Chlordane	ND	0.034	mg/Kg	2	01/24/25	AW	SW8081B
d-BHC	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Dieldrin	ND	0.0034	mg/Kg	2	01/24/25	AW	SW8081B
Endosulfan I	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Endosulfan II	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Endosulfan sulfate	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Endrin	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Endrin aldehyde	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Endrin ketone	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	01/24/25	AW	SW8081B
Heptachlor	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Heptachlor epoxide	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Methoxychlor	ND	0.034	mg/Kg	2	01/24/25	AW	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	01/24/25	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	72		%	2	01/24/25	AW	30 - 150 %
% DCBP (Confirmation)	49		%	2	01/24/25	AW	30 - 150 %
% TCMX	64		%	2	01/24/25	AW	30 - 150 %
% TCMX (Confirmation)	59		%	2	01/24/25	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
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**Comments:**

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**Phyllis Shiller, Laboratory Director**

**January 27, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 27, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

Custody Information

Collected by: RR  
Received by: SR1  
Analyzed by: see "By" below

Date

01/14/25  
01/15/25

Time

14:45

Laboratory Data

SDG ID: GCS44980  
Phoenix ID: CS44983

Project ID: L5247468-500 VETERANS MEMORIAL  
Client ID: SE-110 (0-5') COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	1	01/20/25	TH	SW6010D
Arsenic	10.5	0.78	mg/Kg	1	01/20/25	TH	SW6010D
Beryllium	0.82	0.31	mg/Kg	1	01/20/25	TH	SW6010D
Cadmium	0.41	0.39	mg/Kg	1	01/20/25	TH	SW6010D
Chromium	21.6	0.39	mg/Kg	1	01/20/25	TH	SW6010D
Copper	27.5	0.8	mg/kg	1	01/20/25	TH	SW6010D
Mercury	< 0.22	0.22	mg/Kg	5.8	01/16/25	ZT	SW7473
Nickel	25.8	0.39	mg/Kg	1	01/20/25	TH	SW6010D
Lead	20.5	0.39	mg/Kg	1	01/20/25	TH	SW6010D
Antimony	< 3.9	3.9	mg/Kg	1	01/20/25	TH	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	01/20/25	TH	SW6010D
Thallium	< 3.5	3.5	mg/Kg	1	01/20/25	TH	SW6010D
Zinc	65.3	0.8	mg/Kg	1	01/20/25	TH	SW6010D
Percent Solid	89		%		01/15/25	CV	SW846-%Solid
Soil Extraction for Herbicide	Completed				01/17/25	Y/MQ	SW3546
Soil Extraction for Pesticide	Completed				01/22/25	X/U	SW3546
Total Metals Digest	Completed				01/17/25	B/AG	SW3050B

Chlorinated Herbicides

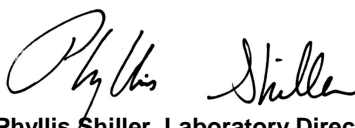
2,4,5-T	ND	0.14	mg/Kg	10	01/20/25	KCA	SW8151A
2,4,5-TP (Silvex)	ND	0.14	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-D	ND	0.28	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-DB	ND	2.8	mg/Kg	10	01/20/25	KCA	SW8151A
Dalapon	ND	0.14	mg/Kg	10	01/20/25	KCA	SW8151A
Dicamba	ND	0.14	mg/Kg	10	01/20/25	KCA	SW8151A
Dichloroprop	ND	0.28	mg/Kg	10	01/20/25	KCA	SW8151A
Dinoseb	ND	0.28	mg/Kg	10	01/20/25	KCA	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>QA/QC Surrogates</u></b>							
% DCAA	63		%	10	01/20/25	KCA	30 - 150 %
% DCAA (Confirmation)	58		%	10	01/20/25	KCA	30 - 150 %
<b><u>Pesticides</u></b>							
4,4' -DDD	ND	0.0074	mg/Kg	2	01/24/25	AW	SW8081B
4,4' -DDE	0.046	0.0074	mg/Kg	2	01/24/25	AW	SW8081B
4,4' -DDT	0.025	0.0074	mg/Kg	2	01/24/25	AW	SW8081B
a-BHC	ND	0.0074	mg/Kg	2	01/24/25	AW	SW8081B
Alachlor	ND	0.0074	mg/Kg	2	01/24/25	AW	SW8081B
Aldrin	ND	0.0037	mg/Kg	2	01/24/25	AW	SW8081B
b-BHC	ND	0.0074	mg/Kg	2	01/24/25	AW	SW8081B
Chlordane	ND	0.037	mg/Kg	2	01/24/25	AW	SW8081B
d-BHC	ND	0.0074	mg/Kg	2	01/24/25	AW	SW8081B
Dieldrin	ND	0.0037	mg/Kg	2	01/24/25	AW	SW8081B
Endosulfan I	ND	0.0074	mg/Kg	2	01/24/25	AW	SW8081B
Endosulfan II	ND	0.0074	mg/Kg	2	01/24/25	AW	SW8081B
Endosulfan sulfate	ND	0.0074	mg/Kg	2	01/24/25	AW	SW8081B
Endrin	ND	0.0074	mg/Kg	2	01/24/25	AW	SW8081B
Endrin aldehyde	ND	0.0074	mg/Kg	2	01/24/25	AW	SW8081B
Endrin ketone	ND	0.0074	mg/Kg	2	01/24/25	AW	SW8081B
g-BHC	ND	0.0015	mg/Kg	2	01/24/25	AW	SW8081B
Heptachlor	ND	0.0074	mg/Kg	2	01/24/25	AW	SW8081B
Heptachlor epoxide	ND	0.0074	mg/Kg	2	01/24/25	AW	SW8081B
Methoxychlor	ND	0.037	mg/Kg	2	01/24/25	AW	SW8081B
Toxaphene	ND	0.15	mg/Kg	2	01/24/25	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	48		%	2	01/24/25	AW	30 - 150 %
% DCBP (Confirmation)	43		%	2	01/24/25	AW	30 - 150 %
% TCMX	57		%	2	01/24/25	AW	30 - 150 %
% TCMX (Confirmation)	63		%	2	01/24/25	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.  
 If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
 The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**  
 January 27, 2025  
 Reviewed and Released by: Ethan Lee, Project Manager



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 27, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

Custody Information

Collected by: RR  
Received by: SR1  
Analyzed by: see "By" below

Date

01/14/25  
01/15/25

Time

14:45

Laboratory Data

SDG ID: GCS44980  
Phoenix ID: CS44984

Project ID: L5247468-500 VETERANS MEMORIAL  
Client ID: SE-111 (0-15') COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	1	01/20/25	TH	SW6010D
Arsenic	7.25	0.67	mg/Kg	1	01/20/25	TH	SW6010D
Beryllium	0.50	0.27	mg/Kg	1	01/20/25	TH	SW6010D
Cadmium	< 0.34	0.34	mg/Kg	1	01/20/25	TH	SW6010D
Chromium	13.0	0.34	mg/Kg	1	01/20/25	TH	SW6010D
Copper	16.9	0.7	mg/kg	1	01/20/25	TH	SW6010D
Mercury	< 0.21	0.21	mg/Kg	6.3	01/16/25	ZT	SW7473
Nickel	15.7	0.34	mg/Kg	1	01/20/25	TH	SW6010D
Lead	11.8	0.34	mg/Kg	1	01/20/25	TH	SW6010D
Antimony	< 3.4	3.4	mg/Kg	1	01/20/25	TH	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	01/20/25	TH	SW6010D
Thallium	< 3.0	3.0	mg/Kg	1	01/20/25	TH	SW6010D
Zinc	40.0	0.7	mg/Kg	1	01/20/25	TH	SW6010D
Percent Solid	94		%		01/15/25	CV	SW846-%Solid
Soil Extraction for Herbicide	Completed				01/17/25	Y/MQ	SW3546
Soil Extraction for Pesticide	Completed				01/22/25	X/U	SW3546
Total Metals Digest	Completed				01/17/25	B/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4,5-TP (Silvex)	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-D	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
2,4-DB	ND	2.6	mg/Kg	10	01/20/25	KCA	SW8151A
Dalapon	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dicamba	ND	0.13	mg/Kg	10	01/20/25	KCA	SW8151A
Dichloroprop	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A
Dinoseb	ND	0.26	mg/Kg	10	01/20/25	KCA	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>QA/QC Surrogates</u></b>							
% DCAA	74		%	10	01/20/25	KCA	30 - 150 %
% DCAA (Confirmation)	66		%	10	01/20/25	KCA	30 - 150 %
<b><u>Pesticides</u></b>							
4,4' -DDD	ND	0.0071	mg/Kg	2	01/24/25	AW	SW8081B
4,4' -DDE	0.015	0.0071	mg/Kg	2	01/24/25	AW	SW8081B
4,4' -DDT	ND	0.0071	mg/Kg	2	01/24/25	AW	SW8081B
a-BHC	ND	0.0071	mg/Kg	2	01/24/25	AW	SW8081B
Alachlor	ND	0.0071	mg/Kg	2	01/24/25	AW	SW8081B
Aldrin	ND	0.0035	mg/Kg	2	01/24/25	AW	SW8081B
b-BHC	ND	0.0071	mg/Kg	2	01/24/25	AW	SW8081B
Chlordane	ND	0.05	mg/Kg	2	01/24/25	AW	SW8081B
d-BHC	ND	0.0071	mg/Kg	2	01/24/25	AW	SW8081B
Dieldrin	ND	0.0035	mg/Kg	2	01/24/25	AW	SW8081B
Endosulfan I	ND	0.0071	mg/Kg	2	01/24/25	AW	SW8081B
Endosulfan II	ND	0.0071	mg/Kg	2	01/24/25	AW	SW8081B
Endosulfan sulfate	ND	0.0071	mg/Kg	2	01/24/25	AW	SW8081B
Endrin	ND	0.0071	mg/Kg	2	01/24/25	AW	SW8081B
Endrin aldehyde	ND	0.0071	mg/Kg	2	01/24/25	AW	SW8081B
Endrin ketone	ND	0.0071	mg/Kg	2	01/24/25	AW	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	01/24/25	AW	SW8081B
Heptachlor	ND	0.0071	mg/Kg	2	01/24/25	AW	SW8081B
Heptachlor epoxide	ND	0.0071	mg/Kg	2	01/24/25	AW	SW8081B
Methoxychlor	ND	0.035	mg/Kg	2	01/24/25	AW	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	01/24/25	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	74		%	2	01/24/25	AW	30 - 150 %
% DCBP (Confirmation)	54		%	2	01/24/25	AW	30 - 150 %
% TCMX	65		%	2	01/24/25	AW	30 - 150 %
% TCMX (Confirmation)	57		%	2	01/24/25	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 27, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

Analysis Report

January 27, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: SOIL  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

Custody Information

Collected by: RR  
Received by: SR1  
Analyzed by: see "By" below

Date

01/14/25  
01/15/25

Time

14:45

Laboratory Data

SDG ID: GCS44980  
Phoenix ID: CS44985

Project ID: L5247468-500 VETERANS MEMORIAL  
Client ID: SE-112 (0-20') COMP

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.32	0.32	mg/Kg	1	01/21/25	TH	SW6010D
Arsenic	5.51	0.63	mg/Kg	1	01/21/25	TH	SW6010D
Beryllium	0.44	0.25	mg/Kg	1	01/21/25	TH	SW6010D
Cadmium	< 0.32	0.32	mg/Kg	1	01/21/25	TH	SW6010D
Chromium	14.2	0.32	mg/Kg	1	01/21/25	TH	SW6010D
Copper	13.6	0.6	mg/kg	1	01/21/25	TH	SW6010D
Mercury	< 0.21	0.21	mg/Kg	5.6	01/16/25	ZT	SW7473
Nickel	18.4	0.32	mg/Kg	1	01/21/25	TH	SW6010D
Lead	9.56	0.32	mg/Kg	1	01/21/25	TH	SW6010D
Antimony	< 3.2	3.2	mg/Kg	1	01/21/25	TH	SW6010D
Selenium	< 1.3	1.3	mg/Kg	1	01/21/25	TH	SW6010D
Thallium	< 2.9	2.9	mg/Kg	1	01/21/25	TH	SW6010D
Zinc	44.0	0.6	mg/Kg	1	01/21/25	TH	SW6010D
Percent Solid	95		%		01/15/25	CV	SW846-%Solid
Soil Extraction for Herbicide	Completed				01/17/25	Y/MQ	SW3546
Soil Extraction for Pesticide	Completed				01/22/25	X/U	SW3546
Total Metals Digest	Completed				01/17/25	B/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	0.13	mg/Kg	10	01/21/25	KCA	SW8151A
2,4,5-TP (Silvex)	ND	0.13	mg/Kg	10	01/21/25	KCA	SW8151A
2,4-D	ND	0.26	mg/Kg	10	01/21/25	KCA	SW8151A
2,4-DB	ND	2.6	mg/Kg	10	01/21/25	KCA	SW8151A
Dalapon	ND	0.13	mg/Kg	10	01/21/25	KCA	SW8151A
Dicamba	ND	0.13	mg/Kg	10	01/21/25	KCA	SW8151A
Dichloroprop	ND	0.26	mg/Kg	10	01/21/25	KCA	SW8151A
Dinoseb	ND	0.26	mg/Kg	10	01/21/25	KCA	SW8151A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>QA/QC Surrogates</u></b>							
% DCAA	64		%	10	01/21/25	KCA	30 - 150 %
% DCAA (Confirmation)	59		%	10	01/21/25	KCA	30 - 150 %
<b><u>Pesticides</u></b>							
4,4' -DDD	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
4,4' -DDE	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
4,4' -DDT	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
a-BHC	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Alachlor	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Aldrin	ND	0.0034	mg/Kg	2	01/24/25	AW	SW8081B
b-BHC	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Chlordane	ND	0.034	mg/Kg	2	01/24/25	AW	SW8081B
d-BHC	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Dieldrin	ND	0.0034	mg/Kg	2	01/24/25	AW	SW8081B
Endosulfan I	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Endosulfan II	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Endosulfan sulfate	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Endrin	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Endrin aldehyde	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Endrin ketone	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
g-BHC	ND	0.0014	mg/Kg	2	01/24/25	AW	SW8081B
Heptachlor	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Heptachlor epoxide	ND	0.0069	mg/Kg	2	01/24/25	AW	SW8081B
Methoxychlor	ND	0.034	mg/Kg	2	01/24/25	AW	SW8081B
Toxaphene	ND	0.14	mg/Kg	2	01/24/25	AW	SW8081B
<b><u>QA/QC Surrogates</u></b>							
% DCBP	75		%	2	01/24/25	AW	30 - 150 %
% DCBP (Confirmation)	54		%	2	01/24/25	AW	30 - 150 %
% TCMX	67		%	2	01/24/25	AW	30 - 150 %
% TCMX (Confirmation)	58		%	2	01/24/25	AW	30 - 150 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
 QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

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**Phyllis Shiller, Laboratory Director**  
 January 27, 2025  
 Reviewed and Released by: Ethan Lee, Project Manager



**Environmental Laboratories, Inc.**  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102

# QA/QC Report

January 27, 2025

## QA/QC Data

SDG I.D.: GCS44980

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 766755 (mg/kg), QC Sample No: CS44985 5.1X (CS44980, CS44981, CS44982, CS44983, CS44984, CS44985)

Mercury - Soil	BRL	0.2	<0.21	<0.21	NC	82.9			88.8			70 - 130	30
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Comment:

Additional Mercury Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range is 75-125% for aqueous and 80-120% for soils.

QA/QC Batch 766600 (mg/kg), QC Sample No: CS44980 (CS44980)

### ICP Metals - Soil

Antimony	BRL	3.3	<3.4	<3.4	NC	84.5	86.5	2.3	89.3			75 - 125	30
Arsenic	BRL	0.67	9.74	9.06	7.20	105	107	1.9	97.4			75 - 125	30
Beryllium	BRL	0.27	0.59	0.58	NC	111	113	1.8	103			75 - 125	30
Cadmium	BRL	0.33	<0.34	<0.34	NC	112	115	2.6	101			75 - 125	30
Chromium	BRL	0.33	17.1	14.7	15.1	110	111	0.9	104			75 - 125	30
Copper	BRL	0.67	19.1	18.4	3.70	111	113	1.8	105			75 - 125	30
Lead	BRL	0.33	11.2	13.4	17.9	117	119	1.7	103			75 - 125	30
Nickel	BRL	0.33	19.6	18.0	8.50	111	113	1.8	103			75 - 125	30
Selenium	BRL	1.3	<1.3	<1.4	NC	95.0	96.9	2.0	84.1			75 - 125	30
Silver	BRL	0.33	<0.34	<0.34	NC	112	115	2.6	99.4			75 - 125	30
Thallium	BRL	3.0	<3.0	<3.1	NC	114	116	1.7	102			75 - 125	30
Zinc	BRL	0.67	49.1	45.3	8.10	110	112	1.8	97.6			75 - 125	30

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

QA/QC Batch 767039 (mg/kg), QC Sample No: CS45000 (CS44981, CS44982, CS44983, CS44984, CS44985)

### ICP Metals - Soil

Antimony	BRL	3.3	<3.6	<3.8	NC	91.4	86.0	6.1	87.0			75 - 125	30
Arsenic	BRL	0.67	31.4	27.6	12.9	102	98.3	3.7	94.0			75 - 125	30
Beryllium	BRL	0.27	0.51	0.56	NC	105	104	1.0	97.9			75 - 125	30
Cadmium	BRL	0.33	<0.36	<0.38	NC	103	103	0.0	95.6			75 - 125	30
Chromium	BRL	0.33	30.1	17.1	55.1	104	101	2.9	92.8			75 - 125	30
Copper	BRL	0.67	21.3	13.7	43.4	106	103	2.9	94.3			75 - 125	30
Lead	BRL	0.33	24.3	22.7	6.80	110	103	6.6	102			75 - 125	30
Nickel	BRL	0.33	14.3	12.9	10.3	104	102	1.9	95.0			75 - 125	30
Selenium	BRL	1.3	<1.4	<1.5	NC	93.4	90.0	3.7	82.6			75 - 125	30
Silver	BRL	0.33	<0.36	<0.38	NC	105	100	4.9	95.8			75 - 125	30
Thallium	BRL	3.0	<3.2	<3.4	NC	105	105	0.0	95.7			75 - 125	30
Zinc	BRL	0.67	49.4	43.2	13.4	106	103	2.9	96.5			75 - 125	30

Comment:

Additional Criteria: LCS acceptance range is 80-120% for aqueous and for soils the acceptance range is set by vendor limits. MS acceptance range 75-125%.

r = This parameter is outside laboratory RPD specified recovery limits.



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102

# QA/QC Report

January 27, 2025

## QA/QC Data

SDG I.D.: GCS44980

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 767083 (mg/Kg), QC Sample No: CS44980 10X (CS44980, CS44981, CS44982, CS44983, CS44984, CS44985)										
<b>Chlorinated Herbicides - Soil</b>										
2,4,5-T	ND	0.13	43	40	7.2	39	44	12.0	40 - 140	30
2,4,5-TP (Silvex)	ND	0.13	50	55	9.5	44	48	8.7	40 - 140	30
2,4-D	ND	0.25	41	56	30.9	45	53	16.3	40 - 140	30
2,4-DB	ND	2.5	34	37	8.5	35	39	10.8	40 - 140	30
Dalapon	ND	0.13	51	48	6.1	41	47	13.6	40 - 140	30
Dicamba	ND	0.13	60	63	4.9	46	57	21.4	40 - 140	30
Dichloroprop	ND	0.13	59	65	9.7	47	62	27.5	40 - 140	30
Dinoseb	ND	0.13	69	70	1.4	49	61	21.8	40 - 140	30
% DCAA (Surrogate Rec)	48	%	75	81	7.7	63	77	20.0	30 - 150	30
% DCAA (Surrogate Rec) (Confirm)	47	%	67	73	8.6	55	68	21.1	30 - 150	30

Comment:

8151 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

QA/QC Batch 767725 (mg/Kg), QC Sample No: CS42573 2X (CS44980, CS44981, CS44982, CS44983, CS44984, CS44985)

## Pesticides - Soil

4,4' -DDD	ND	0.0017	76	77	1.3	61	67	9.4	40 - 140	30
4,4' -DDE	ND	0.0017	66	66	0.0	58	63	8.3	40 - 140	30
4,4' -DDT	ND	0.0017	72	73	1.4	68	68	0.0	40 - 140	30
a-BHC	ND	0.001	63	65	3.1	54	59	8.8	40 - 140	30
Alachlor	ND	0.0033	NA	NA	NC	NA	NA	NC	40 - 140	30
Aldrin	ND	0.001	65	65	0.0	57	61	6.8	40 - 140	30
b-BHC	ND	0.001	65	66	1.5	56	62	10.2	40 - 140	30
Chlordane	ND	0.033	66	68	3.0	59	65	9.7	40 - 140	30
d-BHC	ND	0.0033	63	64	1.6	56	61	8.5	40 - 140	30
Dieldrin	ND	0.001	70	70	0.0	59	64	8.1	40 - 140	30
Endosulfan I	ND	0.0033	69	71	2.9	60	61	1.7	40 - 140	30
Endosulfan II	ND	0.0033	86	89	3.4	62	67	7.8	40 - 140	30
Endosulfan sulfate	ND	0.0033	76	74	2.7	66	69	4.4	40 - 140	30
Endrin	ND	0.0033	76	76	0.0	66	71	7.3	40 - 140	30
Endrin aldehyde	ND	0.0033	89	92	3.3	60	63	4.9	40 - 140	30
Endrin ketone	ND	0.0033	82	83	1.2	69	78	12.2	40 - 140	30
g-BHC	ND	0.001	69	70	1.4	60	66	9.5	40 - 140	30
Heptachlor	ND	0.0033	63	63	0.0	55	59	7.0	40 - 140	30
Heptachlor epoxide	ND	0.0033	64	67	4.6	59	61	3.3	40 - 140	30
Methoxychlor	ND	0.0033	80	81	1.2	70	82	15.8	40 - 140	30
Toxaphene	ND	0.13	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	75	%	73	72	1.4	66	70	5.9	30 - 150	30
% DCBP (Confirmation)	66	%	61	58	5.0	55	54	1.8	30 - 150	30
% TCMX	66	%	61	62	1.6	56	60	6.9	30 - 150	30
% TCMX (Confirmation)	65	%	56	57	1.8	54	55	1.8	30 - 150	30

# QA/QC Data

SDG I.D.: GCS44980

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								

Comment:

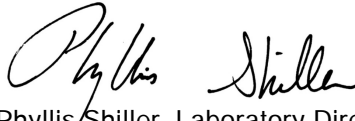
8081 additional criteria: (LCS/LCSD)10% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. LCS acceptance range is 40-140% MS acceptance range 30-150%.

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference
- (ISO) - Isotope Dilution

  
Phyllis Shiller, Laboratory Director  
January 27, 2025

Monday, January 27, 2025

Criteria: RI: GA LEACH, RC

State: RI

## Sample Criteria Exceedances Report

GCS44980 - SAGE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CS44980	AS-SM	Arsenic	RI / Direct Exposure Criteria / Inorganics (Res)	9.74	0.67	7	7	mg/Kg
CS44981	AS-SM	Arsenic	RI / Direct Exposure Criteria / Inorganics (Res)	8.81	0.66	7	7	mg/Kg
CS44983	AS-SM	Arsenic	RI / Direct Exposure Criteria / Inorganics (Res)	10.5	0.78	7	7	mg/Kg
CS44984	AS-SM	Arsenic	RI / Direct Exposure Criteria / Inorganics (Res)	7.25	0.67	7	7	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



**Environmental Laboratories, Inc.**  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## Analysis Comments

January 27, 2025

SDG I.D.: GCS44980

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

### **Herbicide Narration**

**AU-ECD12 01/20/25-1:** CS44980, CS44981, CS44982, CS44983, CS44984, CS44985

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CS44980, CS44981, CS44982, CS44983, CS44984

Preceding CC 120A003 - None.

Succeeding CC 120A015 - 2,4,5-T (11) 33%L (20%), 2,4-DB (12) 41%L (20%), Dinoseb 34%H (20%)

Samples: CS44985

Preceding CC 120A015 - 2,4,5-T (11) 33%L (20%), 2,4-DB (12) 41%L (20%), Dinoseb 34%H (20%)

Succeeding CC 120A027 - Dinoseb 50%H (20%)

### **PEST Narration**

**AU-ECD35 01/23/25-1:** CS44980, CS44981, CS44983

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CS44980, CS44981

Preceding CC 123B027 - None.

Succeeding CC 123B040 - Methoxychlor 21%L (20%)

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

Samples: CS44983

Preceding CC 123B040 - Methoxychlor 21%L (20%)

Succeeding CC 123B054 - None.

A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

**AU-ECD4 01/23/25-1:** CS44982, CS44984, CS44985

The following Continuing Calibration compounds did not meet % deviation criteria:

Samples: CS44982, CS44984, CS44985

Preceding CC 123B041 - Endrin aldehyde 24%H (20%), Endrin Ketone 23%H (20%)

Succeeding CC 123B055 - None.



**CT/MA/RI CHAIN OF CUSTODY RECORD**

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
 Email: makrina@phoenixlabs.com Fax (860) 645-0823

**Client Services (860) 645-1102**

Customer: SAGE  
 Address: 301 Friendship St.  
Providence, RI

Project: LS474 (of 500 Veterans Memorial  
 Report to: data@sage-enviro.com  
 Invoice to: ap@sage-enviro.com  
 Quote # \_\_\_\_\_

**Data Delivery/Contact Options:**

Fax  
 Phone:  
 Email: sage

Project P.O.:

This section **MUST** be completed with **Bottle Quantities.**

Temp 20 °C Coolant: IPA ICE  No   
 Cooler: Yes  No

Sampler's Signature: R. Day Date: 1/14/25

Matrix Code: DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water  
RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe Oil=Oil  
B=Bulk L=Liquid X = (Other)

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
44980	SE-107 (0-10) comp	S	1/14/25		MS/MSD (may be made at any time)
44981	SE-108 (0-20) comp	I			
44982	SE-109 (0-15) comp	I			
44983	SE-110 (0-5) comp	I			
44984	SE-111 (0-15) comp	I			
44985	SE-112 (0-20) comp	I			

Relinquished by:	Accepted by:	Date:	Time:	RI	GI	MA	Data Format		
<u>[Signature]</u>	<u>[Signature]</u>	1/15/24	8:53	<input checked="" type="checkbox"/> RES DEC	<input type="checkbox"/> RCP Cert <input type="checkbox"/> GWPC <input type="checkbox"/> SWPC <input type="checkbox"/> GA PMC <input type="checkbox"/> GB PMC <input type="checkbox"/> SWPC RES <input type="checkbox"/> DEC <input type="checkbox"/> VC I/C <input type="checkbox"/> DEC <input type="checkbox"/> VC	<input type="checkbox"/> MCP Certification <input type="checkbox"/> GW-1 <input type="checkbox"/> GW-2 <input type="checkbox"/> GW-3 <input type="checkbox"/> S-1 <input type="checkbox"/> S-2 <input type="checkbox"/> S-3 <input type="checkbox"/> SW Protection	Excel PDF GIS/Key EQUIS Other		
Turnaround Time: <input type="checkbox"/> 1 Day* <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 2 Days* <input type="checkbox"/> 3 Days* <input type="checkbox"/> 4 Days* <input type="checkbox"/> 5 Days*				<input checked="" type="checkbox"/> GA Leachability <input type="checkbox"/> GB Leachability <input type="checkbox"/> GA-GW Objectives <input type="checkbox"/> GB-GW Objectives <input type="checkbox"/> Other				Data Package: <input type="checkbox"/> Tier II Checklist* <input type="checkbox"/> Full Data Package* <input type="checkbox"/> Phoenix Std <input type="checkbox"/> Other	
Comments, Special Requirements or Regulations:				State where samples were collected: <u>RI</u>				* SURCHARGE APPLIES	
*MS/MSD are considered site samples and will be billed as such in accordance with the prices quoted.				* SURCHARGES MAY APPLY					



# **ATTACHMENT 3**



Monday, January 27, 2025

Attn:  
Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Project ID: PLS247468  
SDG ID: GCS48602  
Sample ID#s: CS48602 - CS48605

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
VT Lab Registration #VT11301



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## SDG Comments

January 27, 2025

SDG I.D.: GCS48602

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### 8260 Analysis:

1,2-Dibromoethane and 1,2-Dibromo-3-chloropropane do not meet GW criteria, these compounds are analyzed by GC/ECD method 504 or 8011 when this criteria needs to be met.



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823

## Sample Id Cross Reference

January 27, 2025

SDG I.D.: GCS48602

Project ID: PLS247468

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Client Id	Lab Id	Matrix	Col Date
SE-102	CS48602	GROUND WATER	01/17/25 9:20
SE-112	CS48603	GROUND WATER	01/17/25 9:08
SE-106	CS48604	GROUND WATER	01/17/25 13:38
SE-109	CS48605	GROUND WATER	01/17/25 12:54



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

**Analysis Report**

January 27, 2025

FOR: Attn:  
Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: GROUND WATER  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

Custody Information

Collected by:  
Received by: SR1  
Analyzed by: see "By" below

Date

01/17/25  
01/21/25

Time

9:20  
12:56

Laboratory Data

SDG ID: GCS48602  
Phoenix ID: CS48602

Project ID: PLS247468  
Client ID: SE-102

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1,1-Trichloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1-Dichloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,3-Trichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
1,2-Dibromoethane	ND	0.25	ug/L	1	01/21/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	ug/L	1	01/21/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
2-Hexanone	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
2-Isopropyltoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
4-Methyl-2-pentanone	ND	5.0	ug/L	1	01/21/25	MH	SW8260D

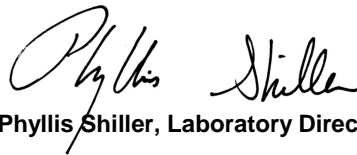
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	25	ug/L	1	01/21/25	MH	SW8260D
Acrylonitrile	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Benzene	ND	0.70	ug/L	1	01/21/25	MH	SW8260D
Bromobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Bromochloromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Bromodichloromethane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
Bromoform	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Bromomethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Carbon Disulfide	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chloroform	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chloromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	01/21/25	MH	SW8260D
Dibromochloromethane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
Dibromomethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Ethylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Hexachlorobutadiene	ND	0.40	ug/L	1	01/21/25	MH	SW8260D
Isopropylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
m&p-Xylene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Methyl ethyl ketone	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Methylene chloride	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Naphthalene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
n-Butylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
n-Propylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
o-Xylene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
sec-Butylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Styrene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
tert-Butylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Tetrachloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	01/21/25	MH	SW8260D
Toluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Total Xylenes	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	01/21/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
Trichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Vinyl chloride	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	95		%	1	01/21/25	MH	70 - 130 %
% Bromofluorobenzene	93		%	1	01/21/25	MH	70 - 130 %
% Dibromofluoromethane	101		%	1	01/21/25	MH	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	89		%	1	01/21/25	MH	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 27, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



## Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

# Analysis Report

January 27, 2025

FOR: Attn:  
Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

### Sample Information

Matrix: GROUND WATER  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

### Custody Information

Collected by:  
Received by: SR1  
Analyzed by: see "By" below

### Date

01/17/25  
01/21/25

### Time

9:08  
12:56

## Laboratory Data

SDG ID: GCS48602  
Phoenix ID: CS48603

Project ID: PLS247468  
Client ID: SE-112

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1,1-Trichloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1-Dichloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,3-Trichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
1,2-Dibromoethane	ND	0.25	ug/L	1	01/21/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	ug/L	1	01/21/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
2-Hexanone	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
2-Isopropyltoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
4-Methyl-2-pentanone	ND	5.0	ug/L	1	01/21/25	MH	SW8260D

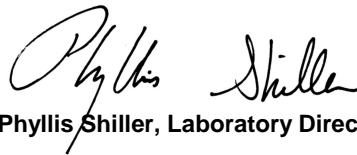
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	25	ug/L	1	01/21/25	MH	SW8260D
Acrylonitrile	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Benzene	ND	0.70	ug/L	1	01/21/25	MH	SW8260D
Bromobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Bromochloromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Bromodichloromethane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
Bromoform	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Bromomethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Carbon Disulfide	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chloroform	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chloromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	01/21/25	MH	SW8260D
Dibromochloromethane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
Dibromomethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Ethylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Hexachlorobutadiene	ND	0.40	ug/L	1	01/21/25	MH	SW8260D
Isopropylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
m&p-Xylene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Methyl ethyl ketone	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Methylene chloride	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Naphthalene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
n-Butylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
n-Propylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
o-Xylene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
sec-Butylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Styrene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
tert-Butylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Tetrachloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	01/21/25	MH	SW8260D
Toluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Total Xylenes	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	01/21/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
Trichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Vinyl chloride	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	95		%	1	01/21/25	MH	70 - 130 %
% Bromofluorobenzene	93		%	1	01/21/25	MH	70 - 130 %
% Dibromofluoromethane	103		%	1	01/21/25	MH	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	90		%	1	01/21/25	MH	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 27, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

Analysis Report

January 27, 2025

FOR: Attn: Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: GROUND WATER  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

Custody Information

Collected by:  
Received by: SR1  
Analyzed by: see "By" below

Date

01/17/25  
01/21/25

Time

13:38  
12:56

Laboratory Data

SDG ID: GCS48602  
Phoenix ID: CS48604

Project ID: PLS247468  
Client ID: SE-106

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b>Volatiles</b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1,1-Trichloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1-Dichloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,3-Trichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
1,2-Dibromoethane	ND	0.25	ug/L	1	01/21/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	ug/L	1	01/21/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
2-Hexanone	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
2-Isopropyltoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
4-Methyl-2-pentanone	ND	5.0	ug/L	1	01/21/25	MH	SW8260D

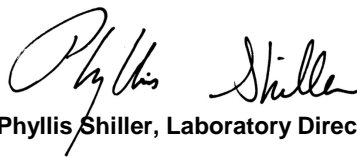
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	25	ug/L	1	01/21/25	MH	SW8260D
Acrylonitrile	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Benzene	ND	0.70	ug/L	1	01/21/25	MH	SW8260D
Bromobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Bromochloromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Bromodichloromethane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
Bromoform	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Bromomethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Carbon Disulfide	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chloroform	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chloromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	01/21/25	MH	SW8260D
Dibromochloromethane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
Dibromomethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Ethylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Hexachlorobutadiene	ND	0.40	ug/L	1	01/21/25	MH	SW8260D
Isopropylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
m&p-Xylene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Methyl ethyl ketone	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Methylene chloride	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Naphthalene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
n-Butylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
n-Propylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
o-Xylene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
sec-Butylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Styrene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
tert-Butylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Tetrachloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	01/21/25	MH	SW8260D
Toluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Total Xylenes	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	01/21/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
Trichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Vinyl chloride	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	95		%	1	01/21/25	MH	70 - 130 %
% Bromofluorobenzene	94		%	1	01/21/25	MH	70 - 130 %
% Dibromofluoromethane	105		%	1	01/21/25	MH	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	90		%	1	01/21/25	MH	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

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**Phyllis Shiller, Laboratory Director**

**January 27, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



**Environmental Laboratories, Inc.**

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102

# Analysis Report

January 27, 2025

FOR: Attn:  
Sage Environmental Inc.  
301 Friendship Street  
Providence RI 02903

Sample Information

Matrix: GROUND WATER  
Location Code: SAGE  
Rush Request: Standard  
P.O.#:

Custody Information

Collected by:  
Received by: SR1  
Analyzed by: see "By" below

Date

01/17/25  
01/21/25

Time

12:54  
12:56

## Laboratory Data

SDG ID: GCS48602  
Phoenix ID: CS48605

Project ID: PLS247468  
Client ID: SE-109

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<b><u>Volatiles</u></b>							
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1,1-Trichloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
1,1,2-Trichloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1-Dichloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1-Dichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,1-Dichloropropene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,3-Trichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
1,2-Dibromoethane	ND	0.25	ug/L	1	01/21/25	MH	SW8260D
1,2-Dichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,2-Dichloroethane	ND	0.60	ug/L	1	01/21/25	MH	SW8260D
1,2-Dichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,3-Dichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,3-Dichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
1,4-Dichlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
2,2-Dichloropropane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
2-Chlorotoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
2-Hexanone	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
2-Isopropyltoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
4-Chlorotoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
4-Methyl-2-pentanone	ND	5.0	ug/L	1	01/21/25	MH	SW8260D

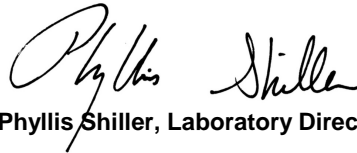
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	25	ug/L	1	01/21/25	MH	SW8260D
Acrylonitrile	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Benzene	ND	0.70	ug/L	1	01/21/25	MH	SW8260D
Bromobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Bromochloromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Bromodichloromethane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
Bromoform	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Bromomethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Carbon Disulfide	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
Carbon tetrachloride	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chlorobenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chloroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chloroform	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Chloromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	01/21/25	MH	SW8260D
Dibromochloromethane	ND	0.50	ug/L	1	01/21/25	MH	SW8260D
Dibromomethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Dichlorodifluoromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Ethylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Hexachlorobutadiene	ND	0.40	ug/L	1	01/21/25	MH	SW8260D
Isopropylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
m&p-Xylene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Methyl ethyl ketone	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Methylene chloride	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Naphthalene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
n-Butylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
n-Propylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
o-Xylene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
p-Isopropyltoluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
sec-Butylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Styrene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
tert-Butylbenzene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Tetrachloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	01/21/25	MH	SW8260D
Toluene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Total Xylenes	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	01/21/25	MH	SW8260D
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	01/21/25	MH	SW8260D
Trichloroethene	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Trichlorofluoromethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Trichlorotrifluoroethane	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
Vinyl chloride	ND	1.0	ug/L	1	01/21/25	MH	SW8260D
<b>QA/QC Surrogates</b>							
% 1,2-dichlorobenzene-d4	94		%	1	01/21/25	MH	70 - 130 %
% Bromofluorobenzene	94		%	1	01/21/25	MH	70 - 130 %
% Dibromofluoromethane	105		%	1	01/21/25	MH	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	89		%	1	01/21/25	MH	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level  
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

**Comments:**

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



**Phyllis Shiller, Laboratory Director**

**January 27, 2025**

**Reviewed and Released by: Ethan Lee, Project Manager**



Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102

# QA/QC Report

January 27, 2025

## QA/QC Data

SDG I.D.: GCS48602

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 767919 (ug/L), QC Sample No: CS48603 (CS48602, CS48603, CS48604, CS48605)										
<b>Volatiles - Ground Water</b>										
1,1,1,2-Tetrachloroethane	ND	1.0	105	94	11.1				70 - 130	20
1,1,1-Trichloroethane	ND	1.0	110	99	10.5				70 - 130	20
1,1,2,2-Tetrachloroethane	ND	0.50	109	97	11.7				70 - 130	20
1,1,2-Trichloroethane	ND	1.0	102	94	8.2				70 - 130	20
1,1-Dichloroethane	ND	1.0	114	103	10.1				70 - 130	20
1,1-Dichloroethene	ND	1.0	119	109	8.8				70 - 130	20
1,1-Dichloropropene	ND	1.0	103	93	10.2				70 - 130	20
1,2,3-Trichlorobenzene	ND	1.0	112	101	10.3				70 - 130	20
1,2,3-Trichloropropane	ND	1.0	110	100	9.5				70 - 130	20
1,2,4-Trichlorobenzene	ND	1.0	110	99	10.5				70 - 130	20
1,2,4-Trimethylbenzene	ND	1.0	111	102	8.5				70 - 130	20
1,2-Dibromo-3-chloropropane	ND	1.0	109	94	14.8				70 - 130	20
1,2-Dibromoethane	ND	1.0	112	102	9.3				70 - 130	20
1,2-Dichlorobenzene	ND	1.0	113	104	8.3				70 - 130	20
1,2-Dichloroethane	ND	1.0	98	88	10.8				70 - 130	20
1,2-Dichloropropane	ND	1.0	112	101	10.3				70 - 130	20
1,3,5-Trimethylbenzene	ND	1.0	110	101	8.5				70 - 130	20
1,3-Dichlorobenzene	ND	1.0	111	102	8.5				70 - 130	20
1,3-Dichloropropane	ND	1.0	111	101	9.4				70 - 130	20
1,4-Dichlorobenzene	ND	1.0	111	101	9.4				70 - 130	20
2,2-Dichloropropane	ND	1.0	113	101	11.2				70 - 130	20
2-Chlorotoluene	ND	1.0	107	98	8.8				70 - 130	20
2-Hexanone	ND	5.0	102	92	10.3				70 - 130	20
2-Isopropyltoluene	ND	1.0	113	103	9.3				70 - 130	20
4-Chlorotoluene	ND	1.0	108	100	7.7				70 - 130	20
4-Methyl-2-pentanone	ND	5.0	101	91	10.4				70 - 130	20
Acetone	ND	5.0	107	95	11.9				70 - 130	20
Acrylonitrile	ND	5.0	115	106	8.1				70 - 130	20
Benzene	ND	0.70	103	94	9.1				70 - 130	20
Bromobenzene	ND	1.0	110	102	7.5				70 - 130	20
Bromochloromethane	ND	1.0	112	104	7.4				70 - 130	20
Bromodichloromethane	ND	0.50	106	97	8.9				70 - 130	20
Bromoform	ND	1.0	104	93	11.2				70 - 130	20
Bromomethane	ND	1.0	84	83	1.2				70 - 130	20
Carbon Disulfide	ND	1.0	119	108	9.7				70 - 130	20
Carbon tetrachloride	ND	1.0	105	93	12.1				70 - 130	20
Chlorobenzene	ND	1.0	112	101	10.3				70 - 130	20
Chloroethane	ND	1.0	123	112	9.4				70 - 130	20
Chloroform	ND	1.0	106	104	1.9				70 - 130	20
Chloromethane	ND	1.0	126	117	7.4				70 - 130	20
cis-1,2-Dichloroethene	ND	1.0	115	104	10.0				70 - 130	20

QA/QC Data

SDG I.D.: GCS48602

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
cis-1,3-Dichloropropene	ND	0.40	100	89	11.6				70 - 130	20
Dibromochloromethane	ND	0.50	103	92	11.3				70 - 130	20
Dibromomethane	ND	1.0	110	100	9.5				70 - 130	20
Dichlorodifluoromethane	ND	1.0	131	119	9.6				70 - 130	20
Ethylbenzene	ND	1.0	111	101	9.4				70 - 130	20
Hexachlorobutadiene	ND	0.40	109	96	12.7				70 - 130	20
Isopropylbenzene	ND	1.0	109	100	8.6				70 - 130	20
m&p-Xylene	ND	1.0	112	102	9.3				70 - 130	20
Methyl ethyl ketone	ND	5.0	106	94	12.0				70 - 130	20
Methyl t-butyl ether (MTBE)	ND	1.0	110	95	14.6				70 - 130	20
Methylene chloride	ND	1.0	110	101	8.5				70 - 130	20
Naphthalene	ND	1.0	108	98	9.7				70 - 130	20
n-Butylbenzene	ND	1.0	114	104	9.2				70 - 130	20
n-Propylbenzene	ND	1.0	109	100	8.6				70 - 130	20
o-Xylene	ND	1.0	111	102	8.5				70 - 130	20
p-Isopropyltoluene	ND	1.0	111	102	8.5				70 - 130	20
sec-Butylbenzene	ND	1.0	111	102	8.5				70 - 130	20
Styrene	ND	1.0	112	103	8.4				70 - 130	20
tert-Butylbenzene	ND	1.0	109	101	7.6				70 - 130	20
Tetrachloroethene	ND	1.0	107	95	11.9				70 - 130	20
Tetrahydrofuran (THF)	ND	2.5	100	91	9.4				70 - 130	20
Toluene	ND	1.0	103	93	10.2				70 - 130	20
trans-1,2-Dichloroethene	ND	1.0	113	103	9.3				70 - 130	20
trans-1,3-Dichloropropene	ND	0.40	101	91	10.4				70 - 130	20
trans-1,4-dichloro-2-butene	ND	5.0	122	107	13.1				70 - 130	20
Trichloroethene	ND	1.0	111	101	9.4				70 - 130	20
Trichlorofluoromethane	ND	1.0	118	108	8.8				70 - 130	20
Trichlorotrifluoroethane	ND	1.0	123	110	11.2				70 - 130	20
Vinyl chloride	ND	1.0	121	112	7.7				70 - 130	20
% 1,2-dichlorobenzene-d4	94	%	99	100	1.0				70 - 130	20
% Bromofluorobenzene	95	%	100	100	0.0				70 - 130	20
% Dibromofluoromethane	100	%	102	98	4.0				70 - 130	20
% Toluene-d8	90	%	94	94	0.0				70 - 130	20

Comment:

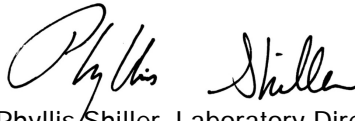
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%.

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference
- (ISO) - Isotope Dilution

  
 Phyllis Shiller, Laboratory Director  
 January 27, 2025

Monday, January 27, 2025

Criteria: RI: GA GW

State: RI

## Sample Criteria Exceedances Report

GCS48602 - SAGE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CS48602	\$8260GWR	1,2-Dibromoethane	RI / GA Groundwater / Volatile Organics	ND	0.25	0.05	0.05	ug/L
CS48602	\$8260GWR	1,2-Dibromo-3-chloropropane	RI / GA Groundwater / Volatile Organics	ND	0.50	0.2	0.2	ug/L
CS48603	\$8260GWR	1,2-Dibromoethane	RI / GA Groundwater / Volatile Organics	ND	0.25	0.05	0.05	ug/L
CS48603	\$8260GWR	1,2-Dibromo-3-chloropropane	RI / GA Groundwater / Volatile Organics	ND	0.50	0.2	0.2	ug/L
CS48604	\$8260GWR	1,2-Dibromoethane	RI / GA Groundwater / Volatile Organics	ND	0.25	0.05	0.05	ug/L
CS48604	\$8260GWR	1,2-Dibromo-3-chloropropane	RI / GA Groundwater / Volatile Organics	ND	0.50	0.2	0.2	ug/L
CS48605	\$8260GWR	1,2-Dibromoethane	RI / GA Groundwater / Volatile Organics	ND	0.25	0.05	0.05	ug/L
CS48605	\$8260GWR	1,2-Dibromo-3-chloropropane	RI / GA Groundwater / Volatile Organics	ND	0.50	0.2	0.2	ug/L

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



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## Analysis Comments

January 27, 2025

SDG I.D.: GCS48602

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

### VOA Narration

**CHEM17 01/21/25-1:** CS48602, CS48603, CS48604, CS48605

Chem 17 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 34% (20%), Bromoform 27% (20%), Bromomethane 34% (20%), Dibromochloromethane 24% (20%), Dichlorodifluoromethane 22% (20%), Tetrahydrofuran (THF) 27% (20%), trans-1,3-Dichloropropene 22% (20%), trans-1,4-dichloro-2-butene 37% (20%)

The following Initial Calibration compounds did not meet maximum RSD% criteria: None.

The following Initial Calibration compounds did not meet recommended response factors: 1,1,2-Trichloroethane 0.158 (0.2), 1,2,3-Trichlorobenzene 0.399 (0.4), 1,2-Dibromoethane 0.163 (0.2), Bromoform 0.067 (0.1), Dibromochloromethane 0.182 (0.2), trans-1,3-Dichloropropene 0.276 (0.3)

The following Initial Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.039 (0.05)

The following Continuing Calibration compounds did not meet % deviation criteria: Bromomethane 37%L (20%)

The following Continuing Calibration compounds did not meet Maximum % deviation criteria: None.

The following Continuing Calibration compounds did not meet recommended response factors: 1,1,2-Trichloroethane 0.155 (0.2), 1,2-Dibromoethane 0.177 (0.2), Bromoform 0.068 (0.1), Dibromochloromethane 0.179 (0.2), trans-1,3-Dichloropropene 0.266 (0.3)

The following Continuing Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.039 (0.05)

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.



**CT/MA/RI CHAIN OF CUSTODY RECORD**

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040  
 Email: makrima@phoenixlabs.com Fax (860) 645-0823  
**Client Services (860) 645-1102**

Customer: SAGE Environmental  
 Address: 301 Friendship St  
Providence, RI  
02903

Project: PLS07468  
 Report to: SAGE & Sage - Enviro.com  
 Invoice to:  
 Quote #

Data Delivery/Contact Options:  
 Fax  
 Phone  
 Email

Project P.O:  
**This section MUST be completed with Bottled Quantities.**

Temp 2.6 Cooler:  Y6  No  
 Coolant:  IPK  ICE  No

Sampler's Signature	Client Sample - Information - Identification	Date	Analysis Request
<i>[Signature]</i>	Customer: Sample Identification	Date: <u>1/17/05</u>	
	Matrix Code: DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water RW=Raw Water SE=Sludge S=Soil SD=Solid W=Wipe Oil=Oil B=Bulk L=Liquid X=(Other)		
	PHOENIX USE ONLY SAMPLE #	Sample Date Sampled	Time Sampled
	<u>486002 SE-102</u>	<u>GW 1/17/05</u>	<u>9:20</u>
	<u>486003 SE-112</u>	<u>↓</u>	<u>9:08</u>
	<u>486004 SE-106</u>	<u>↓</u>	<u>1:38</u>
	<u>486005 SE-109</u>	<u>↓</u>	<u>12:54</u>

Relinquished by: *[Signature]* Accepted by: *[Signature]* Date: 1/17/05 Time: 9:30

Comments, Special Requirements or Regulations:  
1/17/05 12:50  
1/17/05 12:50

Turnaround Time:  
 1 Day  Standard  
 2 Days\*  Other  
 3 Days\*  Other  
 4 Days\*  Other  
 5 Days\*  Other

**\*MS/MSD are considered sfs samples and will be billed as such in accordance with the prices quoted.**

**\*SURCHARGES MAY APPLY**

RI  RES DEC  I/C DEC  GA Leachability  GB Leachability  GA-GW Objectives  GB-GW Objectives  Other

CT  RCP Cert  GWPC  SWPC  GA PMC  GB PMC  SWPC  RES  DEC  VC  I/C  DEC  VC

MA  MCP Certification  GW-1  GW-2  GW-3  S-1  S-2  S-3  SW Protection

Data Format:  Excel  PDF  GIS/Key  EQUIS  Other

Data Package:  Tier II Checklist\*  Full Data Package\*  Phoenix Std  Other

**\* SURCHARGE APPLIES**

State where samples were collected: RI

**\* Date on Samples is 1/17/05**