

Phase II Environmental Site Assessment Report

PSTA Site (a/k/a 525 Park Street)

Clearwater, Pinellas County, Florida

Parcel ID No. 16-29-15-32292-005-0070

April 2023



Prepared for:



City Clearwater

100 South Myrtle Avenue, #220
Clearwater, FL 33756

Phase II Environmental Site Assessment Report

Prepared for: **City of Clearwater**

100 South Myrtle Avenue, #220

Clearwater, FL 33756

Attn: Joseph DeCicco

Project Name: **Phase II Environmental Site Assessment**

PSTA Site (a/k/a 525 Park Street)

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Parcel ID No. 16-29-15-32292-005-0070

Prepared by: **Stantec (formerly Cardno / Cardno now Stantec)**

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Date: April 2023

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1 Executive Summary

Stantec has completed a Phase II Environmental Site Assessment (ESA) of the property identified as the PSTA Site (a/k/a 525 Park Street), Clearwater, Pinellas County, Florida (Parcel ID No. 16-29-15-32292-005-0070) on behalf of the City of Clearwater (the "Client"). The Client has been identified as the End User of this report; with the intended use of this Phase II ESA in support of an anticipated sales transaction. The assessed study area is herein referred to as "the subject property" or "the property." The property consists of approximately 0.86 acres of land (as depicted in **Figures 1 and 2**), and currently used as a bus terminal facility.

1.1 Purpose and Background

This assessment was prepared in general accordance with the American Society of Testing and Materials (ASTM) *Standard Practices for Environmental Site Assessments: Phase II ESA Process* (ASTM Designation: E1903-11). The purpose of this Phase II ESA was to evaluate the recognized environmental conditions (RECs) identified in the Phase I ESA, completed by Cardno now Stantec in November 2022, for the purpose of providing sufficient information regarding the nature and extent of contamination (if present) in the shallow subsurface, to assist in making informed business decisions about the property; and where applicable, providing the level of knowledge necessary to satisfy the innocent purchaser defense under CERCLA.

The RECs identified in the Phase I ESA included historical land uses within the subject property boundaries that included dry cleaners and print shops. These uses offer the potential for contamination (primarily solvents).

1.2 Scope Summary

To address the potential impacts associated with the RECs, Phase II ESA activities included:

- Installation of subsurface borings at five (5) locations within the property boundaries at locations selected based on historical land uses, with extension of all of the borings for the installation of temporary groundwater monitor wells. Installation locations were based on the anticipated locations of subsurface impacts while considering the property's use (active bus terminal), subsurface utilities and surface features.
- Collection of 10 soil samples (two depth intervals from each boring) and five groundwater samples for laboratory analysis for volatile organic compounds (VOCs), low- level polycyclic aromatic hydrocarbons (PAHs), and the RCRA 8 metals.
- Collection of groundwater elevation data, relative to an arbitrary benchmark, to assist in determining the shallow groundwater flow direction for the subject property.

1.3 Subsurface Investigation Results Summary

- Comparison of the laboratory analytical results to Florida Administrative Code (FAC) Chapter 62-777 soil cleanup target levels (SCTLs) for samples collected between the surface and water table revealed **Benzo(a)pyrene** (a carcinogenic PAH) at levels exceeding the residential SCTL and/or its calculated equivalent in four of the samples collected; with one sample also exceeding its calculated commercial-industrial SCTL. This sample was collected between the surface and 0.5 feet from boring installed near the west boundary of the property.

- Comparison of the laboratory analytical results to Chapter 62-777 FAC groundwater cleanup target levels (GCTLs) revealed no impacts in excess of their associated GCTLs.
- Groundwater flow direction across the property was calculated to be generally toward the south.

1.4 Conclusions

Wide-spread BaP impacts were identified in shallow soils that do not appear to be attributed to a release; but may be associated with an extensive history of urban land use.

1.5 Recommendations

Based on the results of this Phase II ESA, Stantec recommends:

- Additional soil assessment to confirm and/or horizontally delineate the BaP impact identified within the boundary of the property above its commercial-industrial SCTL.
- Based on the results of the additional sampling, soil mitigation measures may be required to support site redevelopment. This could include removal and replacement with clean fill or could potentially utilize engineering controls throughout much of the site to prevent exposure to impacted soils. A declaration of restrictive covenant would be required to institutionalize any such engineering controls at the site. The City may also want to consider preparation and implementation of a soil management plan to avoid movement of the contamination outside the subject property boundaries during site redevelopment.

This Executive Summary is a cursory summary of findings. The full report must be read in its entirety for a comprehensive understanding of these conclusions/recommendations.

2 Acronyms, Abbreviations, and Units of Measure

ASTM	American Society of Testing and Materials
aSCTL	Alternative Soil Cleanup Target Level
bls	Below Land Surface
BaP	Benzo(a)pyrene
CTL	Cleanup Target Level
DPT	Direct Push Technology
DTW	Depth-to-water
EPA	United States Environmental Protection Agency
ESA	Environmental Site Assessment
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
ft	Feet
ft bls	Feet Below Land Surface
GCTL	Groundwater Cleanup Target Levels
mg/kg	Milligrams per kilogram
MW	Monitor well
NELAP	National Environmental Laboratory Accreditation Program
PE	Professional Engineer
PG	Professional Geologist
ppm	Parts per million
PAH	Polycyclic Aromatic Hydrocarbons
REC	Recognized Environmental Condition
RCRA	Resource Conservation Recovery Act
SB	Soil boring
SCTL	Soil Cleanup Target Level
SOP	Standard Operating Procedure
SSA	Supplemental Site Assessment
TOC	Top-of-casing
USDA	United States Department of Agriculture
USGS	United States Geological Survey
VOC	Volatile Organic Compounds

3 Introduction

3.1 Site Description and Features

The subject property is located on the southwest corner of the Park Street and Garden Avenue intersection in Clearwater, Pinellas County, Florida. The parcel identified as the subject property is listed below with its abbreviated legal description (as contained in County files):

- Parcel ID. 16-29-15-32292-005-0070 (GARDEN AVE CLEARWATER)
GOULD & EWING'S 2ND ADD BLK 5, LOTS 7 THRU 10 INCL

At the time of this investigation, the subject property was an active bus terminal utilized and owned by the Pinellas Suncoast Transit Authority.

3.2 Operational History

The subject property has been developed as a bus terminal since approximately 1982. Historically, the site included resident and commercial land uses. Commercial uses included dry cleaning and print shop activities.

3.3 Environmental Permits or Enforcement Actions

A file review conducted as part of the November 2022 Phase I ESA did not reveal any recorded environmental permits or enforcement actions associated with the subject property.

3.4 Known Spills or Releases

A review of agency documentation conducted as part of the November 2022 Phase I ESA revealed no documented spills or releases associated with the subject property.

3.5 Previous Investigations and Interim Source Removal Activities

Other than the Phase I ESA previously mentioned, no other previous assessments have been identified or provided.

3.6 Special Terms and Conditions (User Reliance)

No ESA can eliminate all uncertainty. Furthermore, any sample, either surface or subsurface, taken for chemical analysis may or may not be representative of a larger population. Professional judgment and interpretation are inherent in the process and uncertainty is inevitable. Additional assessment may be able to reduce the uncertainty. Even when Phase II ESA work is executed with an appropriate site-specific standard of care, certain conditions present especially difficult detection problems. Such conditions may include, but are not limited to, complex geological settings, the fate and transport characteristics of certain hazardous substances and petroleum products, the distribution of existing contamination, physical limitations imposed by the location of utilities and other man-made objects, and the limitations of assessment technologies.

Phase II ESAs do not generally require an exhaustive assessment of environmental conditions on a property. There is a point at which the cost of information obtained, and the time required to obtain it outweigh the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. If hazardous substance or petroleum releases are confirmed on a parcel of property, the extent of further assessment is related to the degree of uncertainty that is acceptable

to the user with respect to the real estate transaction. Measurements and sampling data only represent the site conditions at the time of data collection. Therefore, the usability of data collected as part of this Phase II ESA may have a finite lifetime depending on the application and use being made of the data. An environmental professional should evaluate whether the generated data are appropriate for any subsequent use beyond the original purpose for which it was collected.

This report is for the use and benefit of and may be relied upon by the entity(s) identified in the Executive Summary of this report as the Client, as well as any of its affiliates and their respective successors and assigns, in connection with a commercial real estate transaction involving the property, and in accordance with the terms and conditions in place between Stantec and the Client for this project. Any third party agrees by accepting this report that any use or reliance on this report shall be limited by the exceptions and limitations in this report, and with the acknowledgment that actual site conditions may change with time, and that hidden conditions may exist at the property that were not discovered within the authorized scope of the assessment. Any use by or distribution of this report to third parties, without the express written consent of Stantec is at the sole risk and expense of such third party.

Stantec makes no other representation to any third party except that it has used the degree of care and skill ordinarily exercised by environmental consultants in the preparation of the report and in the assembling of data and information related thereto. No other warranties are made to any third party, either expressed or implied.

4 Site Description & Investigation Methodologies

4.1 Sampling Objectives

4.1.1 Conceptual Site Model and Sampling Plan

The conceptual site model considered the on-site and nearby land uses (particularly the on-site historical dry cleaning and printing facilities). Potential distribution of contaminants, as well as the anticipated fate and transport characteristics of contaminants in the setting being assessed were also considered. The sampling plan was designed to provide for the collection of potentially contaminated environmental media, at locations and depths where the highest concentrations are likely to occur in consideration of the results of the geophysical investigation and suspected utility locations.

The sampling plan developed for this project was based solely upon information provided in the November 2022 Phase I ESA.

4.1.2 Chemical Testing Plan/QAQC

The chemical testing plan was designed to detect the contaminants suspected to be present in the samples collected. This testing plan included tests which provide quality assurance (QA) and techniques that provide quality control (QC) over the chemical analysis. A completed chain of custody record accompanied each sample shipment to the analytical laboratory. Chain of custody records provide written documentation regarding sample collection and handling, identify the persons involved in the chain of sample possession, and a written record of requested analytical parameters.

4.2 Field Investigations and Methods

4.2.1 Soils

On January 26 and 27, 2023, Stantec supervised a licensed drilling contractor during the advancement of five soil borings at the locations presented in **Figure 3**. Borings were advanced using a combination of hand auger and direct push technology (DPT) drilling methods to facilitate OVA field screening at one-foot depth intervals to boring completion depth, soil sample collection for laboratory analysis, as well as installation of temporary monitoring wells for groundwater sample collection.

All soil borings were advanced to a depth of a maximum of 12 feet below land surface (bls) to aid in characterizing site lithology. Two soil samples were collected from each of the five borings (10 samples total) for laboratory analysis at depths of 0 to 0.5 and 0.5 to 2 feet bls respectively, to facilitate comparison of laboratory results to Soil Cleanup Target Levels (SCTLs) contained in Chapter 62-777, Florida Administrative Code (FAC). Soil samples were submitted for laboratory analysis as follows:

- Volatile Organic Compounds via EPA Analytical Method 8260B
- Low level polycyclic aromatic hydrocarbons PAHs via EPA Analytical Method 8270C
- RCRA 8 Metals via EPA Analytical Method 6010/7471

Field logs, calibration logs, and boring logs are provided in **Appendix A**. Field activities conducted were performed in accordance with applicable FDEP Standard Operating Procedures (DEP-SOP 001/01) and the EPA-approved site-specific Quality Assurance Project Plan.

4.2.2 Shallow Groundwater

Stantec supervised a licensed drilling contractor during the installation of five shallow temporary monitoring wells (TMW-1 through TMW-5) at the locations presented in **Figure 3**.

Depth to groundwater measurements were recorded at each temporary monitoring well immediately preceding well purging and sampling. Personnel surveyed the top of well casing elevation at each location and the water levels were converted to groundwater elevations by subtracting the depth to water from the top of casing elevation for each well. The depth-to-water (DTW) was measured to compare to the TOC data to assist in estimating a site-specific shallow groundwater flow direction.

Each well was sampled after at least 24 hours had elapsed since completion of well development. Groundwater purge and sampling activities were performed in strict accordance with FDEP protocols and SOPs. Each groundwater sample was analyzed by a State of Florida approved laboratory for the same parameters as the soil samples.

Once groundwater sampling was complete, Stantec properly abandoned (by removal) each of the five temporary monitoring wells. Each of the boreholes advanced during this assessment were backfilled and compacted to match existing grade using the soil cuttings generated at each drilling location.

5 Environmental Assessment Results

5.1 Physical Setting and Subsurface Conditions

5.1.1 USGS Hydrogeological Data

Hydrogeological resources were examined to identify the probable direction of surface water and shallow groundwater flow at the site as part of the Phase I ESA investigation. The USGS Clearwater, Florida 7.5-minute series topographic map produced in 2018 was reviewed. The map shows the site being located at an elevation of 29 feet above mean sea level. Based on map topography contours, the inferred primary direction of groundwater flow for the immediate vicinity of the subject site is generally toward the west. The USGS Topographic Map is included as **Figure 1**.

5.1.2 Site-Specific Geology

Site-specific geological data collected as part of this investigation during boring installation revealed primarily fine-grain sands above, and within, the water table.

5.1.3 Site-specific Groundwater Elevation Data

Groundwater levels were measured on January 27, 2023, and DTW measurements and groundwater elevations, calculated with surveyed TOC referenced to an arbitrary datum. Groundwater contours and the inferred groundwater flow direction are depicted on **Figure 4**. For the recent sampling event, the direction of groundwater flow was generally to the south.

5.2 Soil Assessment Results

Soil field screening results are noted in field logs included as **Appendix A**. A comparison of the laboratory analytical results of the collected soil samples to SCTLs is presented in **Table 1**. Boring locations are depicted on **Figure 3**.

5.2.1 Metals

No metals were detected above their respective SCTLs.

5.2.2 VOCs

No VOCs were detected above their respective SCTLs.

5.2.3 PAHs

Benzo(a)pyrene (BaP) was detected above its residential SCTL in three of the samples collected from SB-1 (both depth intervals) and SB-5 (0-0.5 feet bls). Per FDEP Standard Operating Procedure, if at least one of the carcinogenic PAHs is detected in a sample, all seven of the carcinogenic PAHs for that sample are calculated to determine the BaP calculated equivalent; even if the detected BaP compound is below its associated SCTL. In this case, the calculated BaP equivalents revealed an additional exceedance above the residential SCTL in a sample collected from SB-3, and elevated the impact in SB-1 collected at 0-0.05 feet bls to above the commercial-industrial SCTL.

The BaP conversions are included on **Table 1** and summarized on the following table.

Sample ID & Location	Sample Depth (bls)	Contaminant of Concern	Lab Analysis Result (mg/kg)	Residential SCTL (mg/kg)	Commercial-Industrial SCTL (mg/kg)
SB-1 West boring	0-0.5 feet	BaP	0.65	0.1	0.7
		BaP Calc. Eq.	1.0		
SB-1 West boring	0.5-2 feet	BaP	0.4		
		BaP Calc. Eq.	0.62		
SB-3 NE Quadrant	0-0.5 feet	BaP	0.14		
		BaP Calc. Eq.	0.22		
SB-5 SE Quadrant	0 – 0.5 feet	BaP	0.16		
		BaP Calc. Eq.	0.25		

5.3 Shallow Groundwater Assessment Results

A comparison of the laboratory analytical results of the collected shallow groundwater samples to GCTLs is presented in **Table 2**. The temporary monitor well locations are depicted on **Figure 3**. Laboratory analysis revealed no constituents above their respective GCTLs.

5.4 Laboratory Analyses Quality Control (QC) Observations and Interpretations

No significant QA/QC issues were encountered by the laboratory. All samples were received in good condition, with all spikes and surrogates were recovered within established limits; and all method-specified holding times were met. Minor exceptions noted on select quality control batch samples were primarily attributed to matrix interference and did not affect data quality or usability.

Laboratory Analytical Reports are included as **Appendix B**.

6 Conclusions and Recommendations

Based on the results of this Phase II ESA indicating a BaP impact in excess of its commercial-industrial SCTL, Stantec recommends:

- Additional soil assessment to confirm and/or horizontally delineate the BaP impacts identified within the boundary of the property above its commercial-industrial SCTL.
- Based on the results of the additional sampling, soil mitigation measures may be required to support site redevelopment. This could include removal and replacement with clean fill or could potentially utilize engineering controls throughout much of the site to prevent exposure to impacted soils. A declaration of restrictive covenant would be required to institutionalize any such engineering controls at the site. The City may also want to consider preparation and implementation of a soil management plan to avoid movement of the contamination outside the subject property boundaries during site redevelopment.

7 Qualifications/Signatures of Environmental Professional(s)

This *Phase II Site Assessment Report* was prepared for the City of Clearwater

I have checked all data and calculations presented herein for accuracy and the basis for all conclusions and recommendations have been described. I further certify, this document meets or exceeds Stantec's standards for editorial content, technical accuracy, and quality assurance verification.

Prepared by:


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Senior Project Manager
Stantec

With assistance by Alexander Jones

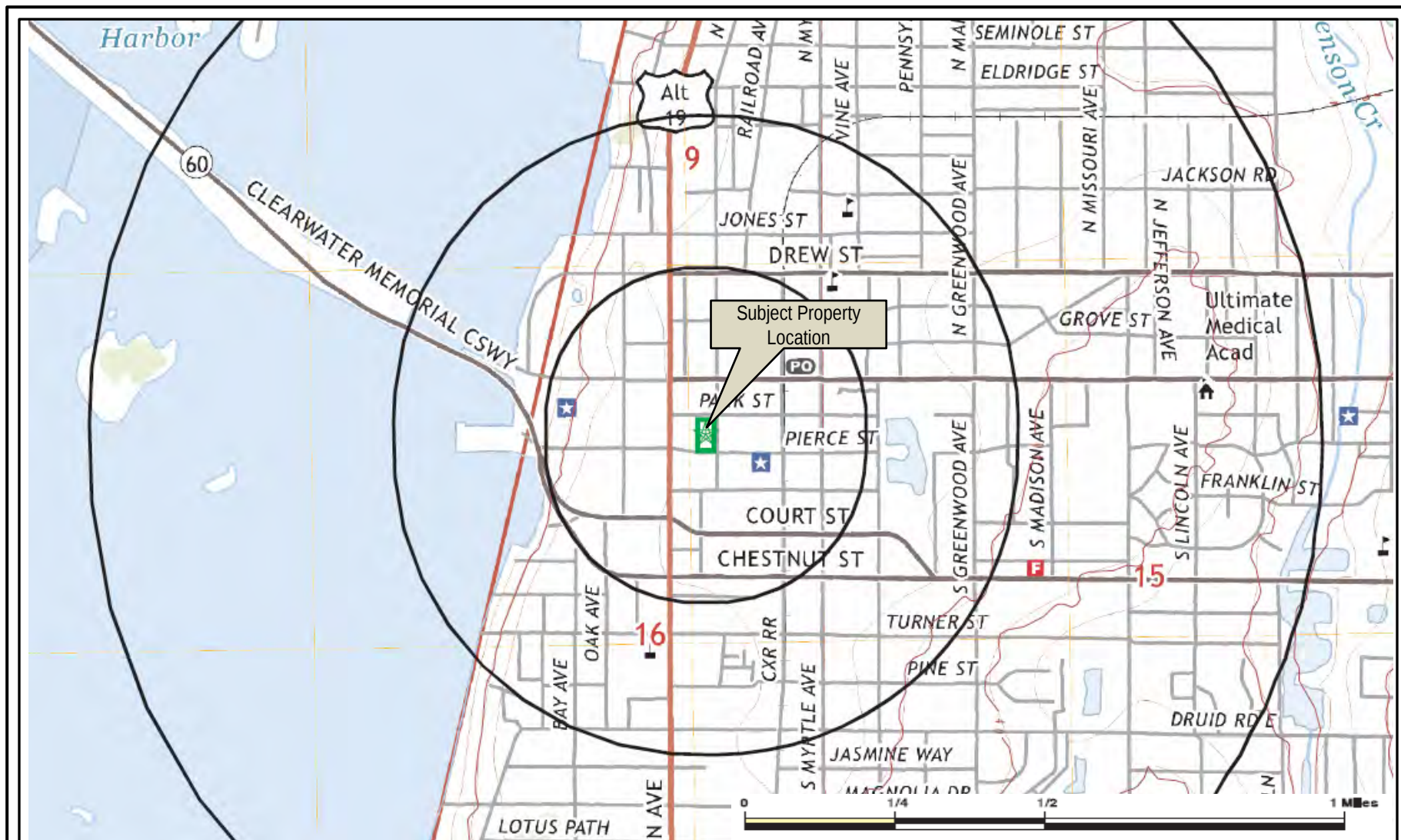
QA/QC by:

I, Andrew Log, PG, certify that I currently hold an active license in the State of Florida and am competent through education or experience to provide the engineering service contained in this *Phase II Site Assessment Report*. I further certify that in my professional judgment, this report meets the general requirements of ASTM Method E 1903-11, Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process.



Date: April 13, 2023

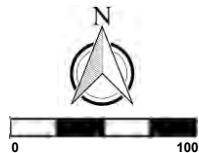
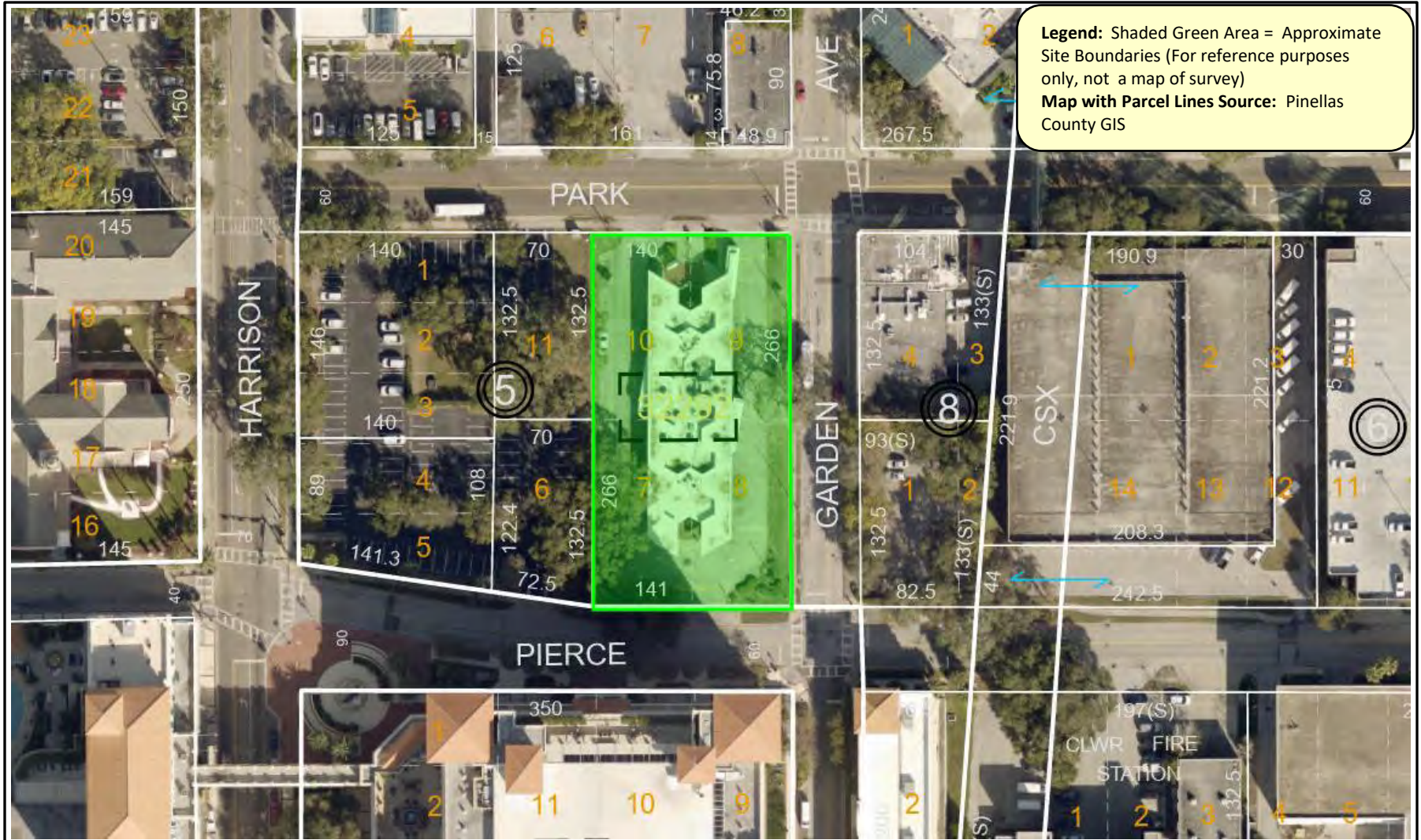
Figures



PSTA Site

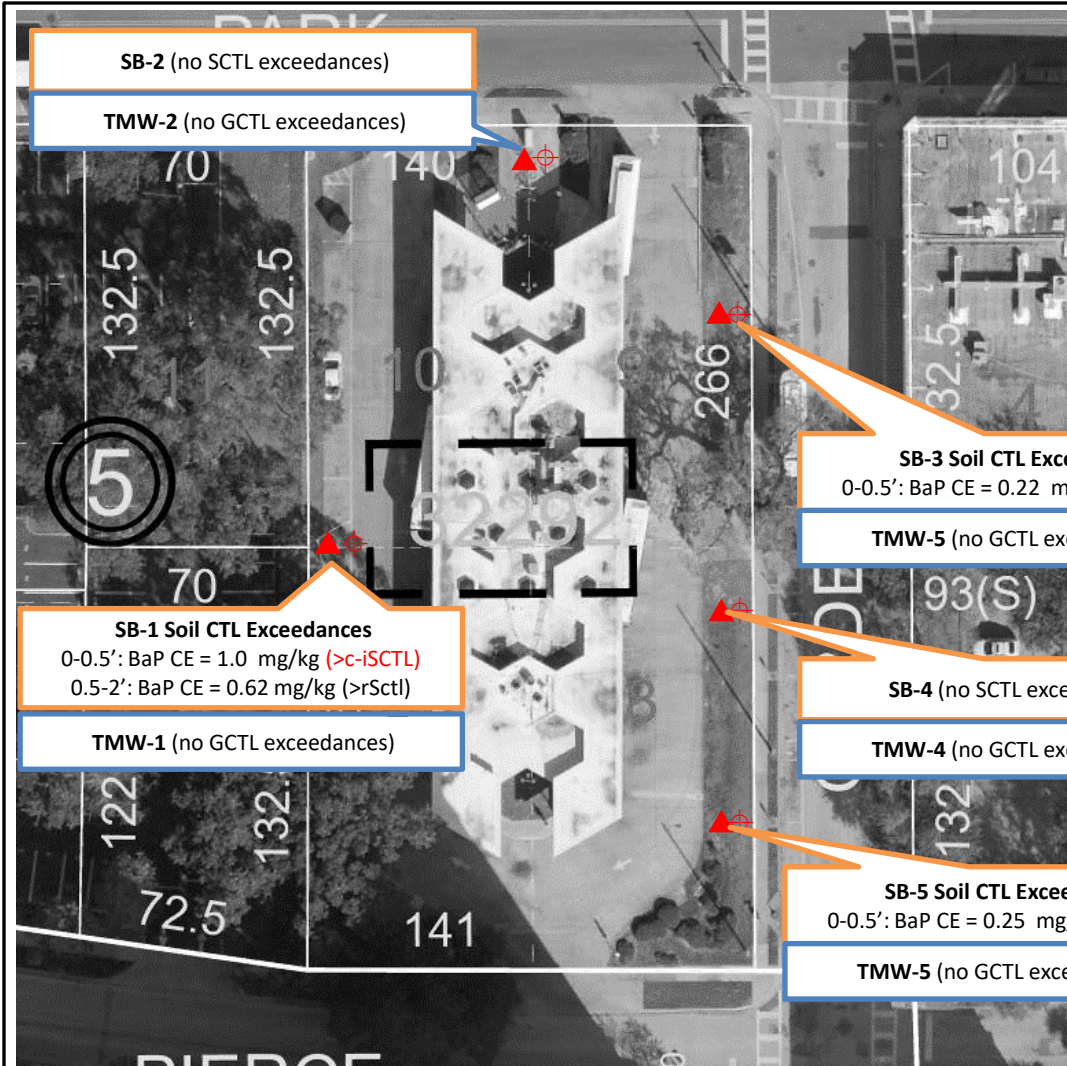
Garden Avenue (a/k/a 525 Park Street)
 Clearwater, Pinellas County, Florida
 Parcel ID No. 16-29-15-32292-005-0070

Figure 1
USGS/Site Vicinity Map



PSTA Site
 Garden Avenue (a/k/a 525 Park Street)
 Clearwater, Pinellas County, Florida
 Parcel ID No. 16-29-15-32292-005-0070

Figure 2
Site Boundary Map



Legend

- ▲ = groundwater monitor well installation/collection location
- ⊕ = soil boring/collection location

Notes:

- Outline = Study Area Boundary (for reference purposes only, not a map of survey)
- rSCTL = residential Soil Cleanup Target Level(SCTL)
- c-iSCTL = commercial-industrial SCTL
- BaP CE = Benzo(a)pyrene calculated equivalent
- GCTL = Groundwater Cleanup Target Level

SB-3 Soil CTL Exceedance

0-0.5': BaP CE = 0.22 mg/kg (>rSCTL)

TMW-5 (no GCTL exceedances)

SB-4 (no SCTL exceedances)

TMW-4 (no GCTL exceedances)

SB-5 Soil CTL Exceedance

0-0.5': BaP CE = 0.25 mg/kg (>rSCTL)

TMW-5 (no GCTL exceedances)



PSTA Site

Garden Avenue (a/k/a 525 Park Street)
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Figure 3
Sampling Locations
& Results Map



Legend

▲ = groundwater monitor
well installation/collection
location

Notes:

(##.##) Elevation based on
arbitrary benchmark (not MSL)
Features not to scale



PSTA Site

Garden Avenue (a/k/a 525 Park Street)
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Figure 4
Shallow Groundwater
Elevation Map

Tables

TABLE 1: SOIL ANALYTICAL SUMMARY

Facility Name: 525 Park Street, Clearwater, FL

See Notes at end of Tables:

Location			DE RES	DE Com/Ind	Leach GW	SB-1 (0-0.5)		SB-1 (0.5-2)		SB-2 (0-0.5)		SB-2 (0.5-2)		SB-3 (0-0.5)		SB-3 (0.5-2)		SB-4 (0-0.5)		SB-4 (0.5-2)		SB-5 (0-0.5)		SB-5 (0.5-2)	
Date						Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
CAS No	Analyte	Units																							
EPA 6010 Metals																									
7440-38-2	ARSENIC	mg/kg	2.1	12	***	1.2		0.92		0.13	U	0.13	U	0.56		0.87		0.33		0.42		0.15	I	0.14	I
7440-39-3	BARIUM	mg/kg	3000 ^a	130000	1600	12		11		5.2		1.3		18		16		3.2		3.6		5.9		8.8	
7440-43-9	CADMIUM	mg/kg	82	1700	7.5	0.22		0.13		0.11		0.031	I	0.24		0.15		0.098		0.047	I	0.073		0.051	I
7440-47-3	CHROMIUM	mg/kg	210	470	38	5.7		3.8		1.9		0.32		5.2		3.9		2.3		2.2		2		5.9	
7439-97-6	MERCURY	mg/kg	3	17	2.1	0.053		0.037		0.015		0.016		0.018		0.011		0.016		0.01		0.026		0.021	
7439-92-1	LEAD	mg/kg	400	1400	***	26		17		4.4		0.72		9.8		9.3		4.2		3.1		6.8		7.2	
7782-49-2	SELENIUM	mg/kg	440	11000	5.2	0.63	U	0.63	U	0.52	U	0.52	U	0.56	U	0.55	U	0.53	U	0.51	U	0.57	U	0.54	U
7440-22-4	SILVER	mg/kg	410	8200	17	0.25	U	0.25	U	0.21	U	0.21	U	0.22	U	0.22	U	0.21	U	0.2	U	0.23	U	0.22	U
EPA 8260 VOCs																									
630-20-6	1,1,1,2-TETRACHLOROETHANE	mg/kg	2.9	4.3	0.01	0.0012	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.0011	U	0.001	U
71-55-6	1,1,1-TRICHLOROETHANE	mg/kg	730	3900	1.9	0.0087	U	0.0086	U	0.0073	U	0.0073	U	0.0076	U	0.0074	U	0.0073	U	0.0072	U	0.008	U	0.0073	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	mg/kg	0.7	1.2	0.001	0.00063	U	0.00063	U	0.00053	U	0.00054	U	0.00056	U	0.00054	U	0.00053	U	0.00053	U	0.00058	U	0.00053	U
79-00-5	1,1,2-TRICHLOROETHANE	mg/kg	1.4	2	0.03	0.0006	U	0.0006	U	0.00051	U	0.00051	U	0.00053	U	0.00051	U	0.00051	U	0.0005	U	0.00056	U	0.00051	U
75-34-3	1,1-DICHLOROETHANE	mg/kg	390	2100	0.4	0.00087	U	0.00086	U	0.00074	U	0.00074	U	0.00076	U	0.00074	U	0.00073	U	0.00073	U	0.0008	U	0.00074	U
75-35-4	1,1-DICHLOROETHENE	mg/kg	95	510	0.06	0.00091	U	0.0009	U	0.00077	U	0.00077	U	0.0008	U	0.00078	U	0.00077	U	0.00076	U	0.00084	U	0.00077	U
87-61-6	1,2,3-TRICHLOROBENZENE	mg/kg	650	8200	4.6	0.00099	U	0.00098	U	0.00084	U	0.00084	U	0.00087	U	0.00085	U	0.00084	U	0.00083	U	0.00091	U	0.00084	U
96-18-4	1,2,3-TRICHLOROPROPANE	mg/kg	0.06	0.1	0.0001	0.0021	U	0.0021	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0017	U	0.0019	U	0.0018	U
120-82-1	1,2,4-TRICHLOROBENZENE	mg/kg	660	8500	5.3	0.00081	U	0.0008	U	0.00068	U	0.00069	U	0.00071	U	0.00069	U	0.00068	U	0.00067	U	0.00074	U	0.00068	U
95-83-6	1,2,4-TRIMETHYLBENZENE	mg/kg	18	95	0.3	0.0011	U	0.0011	U	0.00092	U	0.00093	U	0.00096	U	0.00093	U	0.00092	U	0.00091	U	0.001	U	0.00092	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	mg/kg	0.7	3.8	0.001	0.0016	U	0.0016	U	0.0014	U	0.0014	U	0.0014	U	0.0014	U	0.0014	U	0.0013	U	0.0015	U	0.0014	U
106-93-4	1,2-DIBROMOETHANE (EDB)	mg/kg	0.1	0.2	0.0001	0.00061	U	0.00061	U	0.00052	U	0.00052	U	0.00054	U	0.00052	U	0.00052	U	0.00051	U	0.00057	U	0.00052	U
95-50-1	1,2-DICHLOROBENZENE	mg/kg	880	5000	17	0.00059	U	0.00058	U	0.0005	U	0.0005	U	0.00052	U	0.0005	U	0.0005	U	0.00049	U	0.00054	U	0.0005	U
107-06-2	1,2-DICHLOROETHANE	mg/kg	0.5	0.7	0.01	0.00097	U	0.00096	U	0.00082	U	0.00082	U	0.00085	U	0.00083	U	0.00082	U	0.00081	U	0.00089	U	0.00082	U
78-87-5	1,2-DICHLOROPROPANE	mg/kg	0.6	0.9	0.03	0.00067	U	0.00066	U	0.00056	U	0.00056	U	0.00058	U	0.00057	U	0.00056	U	0.00056	U	0.00061	U	0.00056	U
108-67-8	1,3,5-TRIMETHYLBENZENE	mg/kg	15	80	0.3	0.00083	U	0.00082	U	0.0007	U	0.0007	U	0.00073	U	0.00071	U	0.0007	U	0.00069	U	0.00076	U	0.0007	U
541-73-1	1,3-DICHLOROBENZENE	mg/kg	380	2200	7	0.00069	U	0.00068	U	0.00058	U	0.00058	U	0.0006	U	0.00058	U	0.00058	U	0.00057	U	0.00063	U	0.00058	U
106-46-7	1,4-DICHLOROBENZENE	mg/kg	6.4	9.9	2.2	0.00082	U	0.00081	U	0.00069	U	0.0007	U	0.00072	U	0.0007	U	0.00069	U	0.00069	U	0.00076	U	0.0007	U
95-49-8	2-CHLOROTOLUENE	mg/kg	200	1200	2.8	0.00083	U	0.00082	U	0.0007	U	0.0007	U	0.00073	U	0.00071	U	0.0007	U	0.00069	U	0.00076	U	0.0007	U
591-78-6	2-HEXANONE	mg/kg	24	130	1.4	0.0019	U	0.0019	U	0.0016	U	0.0016	U	0.0017	U	0.0016	U	0.0016	U	0.0016	U	0.0018	U	0.0016	U
106-43-4	4-CHLOROTOLUENE	mg/kg	170	990	2.5	0.00092	U	0.00091	U	0.00078	U	0.00078	U	0.00081	U	0.00079	U	0.00078	U	0.00077	U	0.00085	U	0.00078	U
67-64-1	ACETONE	mg/kg	11000	68000	25	0.14		0.025		0.0023	U	0.019		0.0024	U	0.023		0.0023	U	0.0023	U	0.0025	U	0.0023	U
107-02-8	ACROLEIN	mg/kg	0.05	0.3	0.01	0.0077	U	0.0076	U	0.0065	U	0.0065	U	0.0068	U	0.0066	U	0.0065	U	0.0064	U	0.0071	U	0.0065	U
107-13-1	ACRYLONITRILE	mg/kg	0.3	0.6	0.0003	0.00065	U	0.00064	U	0.00055	U	0.00055	U	0.00057	U	0.00055	U	0.00055	U	0.00054	U	0.00059	U	0.00055	U
71-43-2	BENZENE	mg/kg	1.2	1.7	0.007	0.00062	U	0.00061	U	0.00052	U	0.00052	U	0.00054	U	0.00053	U	0.00052	U	0.00051	U	0.00057	U	0.00052	U
74-97-5	BROMOCHLOROMETHANE	mg/kg	95	530	0.6	0.0008	U	0.00079	U	0.00067	U	0.00068	U	0.0007	U	0.00068	U	0.00067	U	0.00067	U	0.00073	U	0.00067	U
75-27-4	BROMODICHLOROMETHANE	mg/kg	1.5	2.2	0.004	0.00066	U	0.00065	U	0.00055	U	0.00056	U	0.00058	U	0.00056	U	0.00055	U	0.00055	U	0.0006	U	0.00055	U
75-25-2	BROMOFORM	mg/kg	48	93	0.03	0.0025	U	0.0025	U	0.0021	U	0.0021	U	0.0022	U	0.0021	U	0.0021	U	0.0021	U	0.0023	U	0.0021	U
74-83-9	BROMOMETHANE	mg/kg	3.1	16	0.05	0.0015	U	0.0015	U	0.0013	U	0.0013	U	0.0014	U	0.0013	U	0.0013	U	0.0013	U	0.0014	U	0.0013	U
75-15-0	CARBON DISULFIDE	mg/kg	270	1500	5.6	0.0011	U	0.0011	U	0.0009	U	0.0009	U	0.00093	U	0.0009	U	0.0009	U	0.00089	U	0.00098	U	0.0009	U
56-23-5	CARBON TETRACHLORIDE	mg/kg	0.5	0.7	0.04	0.001	U	0.001	U	0.00089	U	0.00089	U	0.00092	U	0.00089	U	0.00088	U	0.00087	U	0.00096	U	0.00089	U
108-90-7	CHLOROBENZENE	mg/kg	120	650	1.3	0.00055	U	0.00055	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U	0.00047	U	0.00046	U	0.00051	U	0.00047	U
75-00-3	CHLOROETHANE	mg/kg	3.9	5.4	0.06	0.0018	U	0.0018	U	0.0016	U	0.0016	U	0.0016	U	0.0016	U	0.0016	U	0.0015	U	0.0017	U	0.0016	U
67-66-3	CHLOROFORM	mg/kg	0.4	0.6	0.4	0.00076	U	0.00075	U	0.00064	U	0.00064	U	0.00067	U	0.00065	U	0.00064	U	0.00063	U	0.0007	U	0.00064	U
74-87-3	CHLOROMETHANE	mg/kg	4	5.7	0.01	0.00085	U	0.00084	U	0.00072	U	0.00072	U	0.00075	U	0.00073	U	0.00072	U	0.00071	U	0.00078	U	0.00072	U
156-59-2	cis-1,2-DICHLOROETHENE	mg/kg	33	180	0.4	0.00073	U	0.00073	U	0.00062	U	0.00062	U	0.00064	U	0.00062	U	0.00062	U	0.00061	U	0.00067	U	0.00062	U
10061-01-5	cis-1,3-DICHLOROPROPENE	mg/kg	1.4	2.2	0.002	0.0026	U	0.0026	U	0.0022	U	0.0022	U	0.0023	U	0.0023	U	0.0022	U	0.0022	U	0.0024	U	0.0022	U
124-48-1	DIBROMOCHLOROMETHANE	mg/kg	1.5	2.3	0.003	0.0021	U	0.0021	U	0.0018	U	0.0018	U												

TABLE 1: SOIL ANALYTICAL SUMMARY

Facility Name: 525 Park Street, Clearwater, FL

See Notes at end of Tables:

Location			DE RES	DE Com/Ind	Leach GW	SB-1 (0-0.5)		SB-1 (0.5-2)		SB-2 (0-0.5)		SB-2 (0.5-2)		SB-3 (0-0.5)		SB-3 (0.5-2)		SB-4 (0-0.5)		SB-4 (0.5-2)		SB-5 (0-0.5)		SB-5 (0.5-2)			
Date						1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023	
CAS No	Analyte	Units				Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8260 VOCs cont.																											
79-01-6	TRICHLOROETHYLENE	mg/kg	6.4	9.3	0.03	0.00091	U	0.00091	U	0.00077	U	0.00077	U	0.0008	U	0.00078	U	0.00077	U	0.00076	U	0.00084	U	0.00077	U		
75-69-4	TRICHLOROFLUOROMETHANE	mg/kg	270	1500	33	0.00082	U	0.00081	U	0.00069	U	0.0007	U	0.00072	U	0.0007	U	0.00069	U	0.00069	U	0.00076	U	0.0007	U		
108-05-4	VINYL ACETATE	mg/kg	320	1700	0.4	0.0018	U	0.0018	U	0.0015	U	0.0015	U	0.0016	U	0.0015	U	0.0015	U	0.0015	U	0.0017	U	0.0015	U		
75-01-4	VINYL CHLORIDE	mg/kg	0.2	0.8	0.007	0.00072	U	0.00071	U	0.0006	U	0.00061	U	0.00063	U	0.00061	U	0.0006	U	0.0006	U	0.00066	U	0.0006	U		
1330-20-7	Xylenes- Total	mg/kg	130	700	0.2	0.0016	U	0.0016	U	0.0014	U	0.0014	U	0.0014	U	0.0014	U	0.0014	U	0.0013	U	0.0015	U	0.0014	U		
EPA 8270 PAHs																											
90-12-0	1-METHYLNAPHTHALENE	mg/kg	200	1800	3.1	0.0093	U	0.0018	U	0.0016	U	0.0016	U	0.0016	U	0.0016	U	0.0016	U	0.0015	U	0.0017	U	0.0016	U		
91-57-6	2-METHYLNAPHTHALENE	mg/kg	210	2100	8.5	0.012	U	0.0024	U	0.002	U	0.002	U	0.0021	U	0.0021	U	0.002	U	0.002	U	0.0022	U	0.002	U		
83-32-9	ACENAPHTHENE	mg/kg	2400	20000	2.1	0.011	I	0.017		0.0015	U	0.0015	U	0.0016	U	0.0015	U	0.0015	U	0.0015	U	0.0026	I	0.0015	U		
208-96-8	ACENAPHTHYLENE	mg/kg	1800	20000	27	0.018	I	0.012		0.0018	U	0.0018	U	0.0027	I	0.0018	U	0.0026	I	0.0018	U	0.0056	I	0.0019	I		
120-12-7	ANTHRACENE	mg/kg	21000	300000	2500	0.077		0.069		0.0035	I	0.0025	U	0.0085	I	0.0039	I	0.0064	I	0.0031	I	0.016		0.0025	U		
191-24-2	BENZO(g,h,i)PERYLENE	mg/kg	2500	52000	32000	0.5		0.32		0.026		0.026		0.13		0.047		0.08		0.0085		0.14		0.0048	I		
206-44-0	FLUORANTHENE	mg/kg	3200	59000	1200	1		0.72		0.066		0.042		0.22		0.082		0.14		0.023		0.27		0.0085	I		
86-73-7	FLUORENE	mg/kg	2600	33000	160	0.013	U	0.013		0.0022	U	0.0022	U	0.0022	U	0.0022	U	0.0022	U	0.0021	U	0.0024	I	0.0022	U		
91-20-3	NAPHTHALENE	mg/kg	55	300	1.2	0.01	U	0.002	U	0.0017	U	0.0017	U	0.0018	U	0.0017	U	0.0017	U	0.0017	U	0.0019	U	0.0017	U		
85-01-8	PHENANTHRENE	mg/kg	2200	36000	250	0.32		0.29		0.017		0.0089		0.045		0.02		0.027		0.013		0.07		0.0039	I		
129-00-0	PYRENE	mg/kg	2400	45000	880	0.99		0.69		0.05		0.039		0.19		0.075		0.12		0.023		0.24		0.0085	I		
56-55-3	BENZO(a)ANTHRACENE	mg/kg	#	#	0.8	0.56		0.37		0.022		0.018		0.094		0.034		0.057		0.01		0.11		0.0045	I		
50-32-8	BENZO(a)PYRENE	mg/kg	0.1	0.7	8	0.65		0.4		0.029		0.028		0.14		0.051		0.088		0.01		0.16		0.0054	I		
205-99-2	BENZO(b)FLUORANTHENE	mg/kg	#	#	2.4	0.94		0.58		0.044		0.043		0.23		0.08		0.14		0.014		0.25		0.0073	I		
207-08-9	BENZO(k)FLUORANTHENE	mg/kg	#	#	24	0.34		0.21		0.017		0.016		0.081		0.03		0.051		0.0055	I	0.09		0.0029	I		
218-01-9	CHRYSENE	mg/kg	#	#	77	0.71		0.44		0.033		0.029		0.15		0.052		0.092		0.011		0.17		0.0054	I		
53-70-3	DIBENZ(a,h)ANTHRACENE	mg/kg	#	#	0.7	0.14		0.084		0.0062	I	0.0062	I	0.032		0.011		0.02		0.0021	I	0.035		0.0017	U		
193-39-5	INDENO(1,2,3-c,d)PYRENE	mg/kg	#	#	6.6	0.56		0.34		0.026		0.026		0.14		0.051		0.086		0.0088		0.15		0.0045	I		
Total B(a)P		Total Benzo(a)pyrene Equivalents		mg/kg	0.1	0.7	*	1		0.62		0.045		0.22		0.079		0.14		0.015		0.25		0.0079			

Notes:

SCTLs = Soil Cleanup Target Levels specified in Table II of Chapter 62-777, F.A.C. 4/17/2005

DER indicates concentration exceeds FDEP Soil Cleanup Target Level - Direct Exposure (DE) Residential**DEC** indicates concentration exceeds FDEP Soil Cleanup Target Level - Direct Exposure (DE) Commercial**Leach GW** indicates concentration exceeds FDEP Soil Cleanup Target Level for Leachability Based on Groundwater Criteria

Results are rounded for comparison to the CTL criteria as described in FDEP Memo 11/17/2011: Rounding Analytical Data for Site Rehabilitation Completion

I = Estimated value, between laboratory reporting limit and method detection limit

U = Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).

Bold = Bold results denote analyte was detected above the laboratory method detection limit

N/C = N/C in results field indicate Total Benzo(a)pyrene Equivalent was not calculated due to all constituent analytes being reported below the laboratory method detection limit

NA= Not Analyzed

a = Updated DER CTL April 2020 University of Florida Center for Environmental and Human Toxicology

*** = Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

= described in the February 2005 Final Technical Report: Development of Cleanup Target Levels (CTLs) for Chapter 62-777, F.A.C.

TABLE 2: GROUNDWATER ANALYTICAL SUMMARY

Facility Name: 525 Park Street, Clearwater, FL

See Notes at end of Tables:

Location			GCTLs	NADCs	TMW-1		TMW-2		TMW-3		TMW-4		TMW-5	
Date					1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023	
CAS No	Analyte	Units			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 6010 Metals														
7440-38-2	ARSENIC	ug/L	10	100	8	U	8	U	8	U	8	U	8	U
7440-39-3	BARIUM	ug/L	2000	20000	29		11		16		16		21	
7440-43-9	CADMIUM	ug/L	5	50	1	U	1	U	1	U	1	U	1	U
7440-47-3	CHROMIUM	ug/L	100	1000	11		6.2	I	5	U	5	U	5	U
7439-92-1	LEAD	ug/L	15	150	7.8	I	3.1	I	3.6	I	3	U	4	I
7439-97-6	MERCURY	ug/L	2	20	0.0025	U	0.03	I	0.025	U	0.025	U	0.025	U
7782-49-2	SELENIUM	ug/L	50	500	20	U	20	U	20	U	20	U	20	U
7440-22-4	SILVER	ug/L	100	1000	8	U	8	U	8	U	8	U	8	U
EPA 8260 Volatiles														
630-20-6	1,1,1,2-TETRACHLOROETHANE	ug/L	1.3	130	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U
71-55-6	1,1,1-TRICHLOROETHANE	ug/L	200	2000	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
79-34-5	1,1,2,2-TETRACHLOROETHANE	ug/L	0.2	20	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
79-00-5	1,1,2-TRICHLOROETHANE	ug/L	5	500	0.61	U	0.61	U	0.61	U	0.61	U	0.61	U
75-34-3	1,1-DICHLOROETHANE	ug/L	70	700	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
75-35-4	1,1-DICHLOROETHENE	ug/L	7	70	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
87-61-6	1,2,3-TRICHLOROBENZENE	ug/L	70	700	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
96-18-4	1,2,3-TRICHLOROPROPANE	ug/L	0.02	2	0.59	U	0.59	U	0.59	U	0.59	U	0.59	U
120-82-1	1,2,4-TRICHLOROBENZENE	ug/L	70	700	0.57	U	0.57	U	0.57	U	0.57	U	0.57	U
95-63-6	1,2,4-TRIMETHYLBENZENE	ug/L	10	100	0.47	U	0.47	U	0.47	U	0.47	U	0.47	U
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ug/L	0.2	20	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U
106-93-4	1,2-DIBROMOETHANE (EDB)	ug/L	0.02	2	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U
95-50-1	1,2-DICHLOROBENZENE	ug/L	600	6000	0.87	U	0.87	U	0.87	U	0.87	U	0.87	U
107-06-2	1,2-DICHLOROETHANE	ug/L	3	300	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
78-87-5	1,2-DICHLOROPROPANE	ug/L	5	500	0.57	U	0.57	U	0.57	U	0.57	U	0.57	U
108-67-8	1,3,5-TRIMETHYLBENZENE	ug/L	10	100	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
541-73-1	1,3-DICHLOROBENZENE	ug/L	210	2100	0.59	U	0.59	U	0.59	U	0.59	U	0.59	U
142-28-9	1,3-DICHLOROPROPANE	ug/L	0.4	40	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
106-46-7	1,4-DICHLOROBENZENE	ug/L	75	*	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U
95-49-8	2-CHLOROTOLUENE	ug/L	140	1400	0.57	U	0.57	U	0.57	U	0.57	U	0.57	U
591-78-6	2-HEXANONE	ug/L	280	2800	0.78	U	0.78	U	0.78	U	0.78	U	0.78	U
106-43-4	4-CHLOROTOLUENE	ug/L	140	1400	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
67-64-1	ACETONE	ug/L	6300	63000	2	U	2	U	2	U	2	U	2	U
107-02-8	ACROLEIN	ug/L	3.5	35	3.4	U	3.4	U	3.4	U	3.4	U	3.4	U
107-13-1	ACRYLONITRILE	ug/L	0.06	6	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U
71-43-2	BENZENE	ug/L	1	100	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
74-97-5	BROMOCHLOROMETHANE	ug/L	91	910	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
75-27-4	BROMODICHLOROMETHANE	ug/L	0.6	60	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
75-25-2	BROMOFORM	ug/L	4.4	440	0.73	U	0.73	U	0.73	U	0.73	U	0.73	U
74-83-9	BROMOMETHANE	ug/L	9.8	98	0.64	U	0.64	U	0.64	U	0.64	U	0.64	U
75-15-0	CARBON DISULFIDE	ug/L	700	7000	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
56-23-5	CARBON TETRACHLORIDE	ug/L	3	300	0.43	U	0.43	U	0.43	U	0.43	U	0.43	U
108-90-7	CHLOROBENZENE	ug/L	100	1000	0.69	U	0.69	U	0.69	U	0.69	U	0.69	U
75-00-3	CHLOROETHANE	ug/L	12	1200	0.64	U	0.64	U	0.64	U	0.64	U	0.64	U
67-66-3	CHLOROFORM	ug/L	70	700	0.51	U	0.51	U	0.51	U	0.51	U	0.51	U
74-87-3	CHLOROMETHANE	ug/L	2.7	270	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
156-59-2	cis-1,2-DICHLOROETHENE	ug/L	70	700	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U
10061-01-5	cis-1,3-DICHLOROPROPENE	ug/L	0.4	40	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
124-48-1	DIBROMOCHLOROMETHANE	ug/L	0.4	40	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
74-95-3	DIBROMOMETHANE	ug/L	70	700	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
75-71-8	DICHLORODIFLUOROMETHANE	ug/L	1400	14000	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
100-41-4	ETHYLBENZENE	ug/L	30	300	0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
87-68-3	HEXACHLOROBUTADIENE	ug/L	0.4	40	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
98-82-8	ISOPROPYLBENZENE (CUMENE)	ug/L	0.8	8	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
78-93-3	METHYL ETHYL KETONE (2-BUTANONE)	ug/L	4200	42000	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U
108-10-1	METHYL ISOBUTYL KETONE	ug/L	560	5600	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
1634-04-4	METHYL tert-BUTYL ETHER	ug/L	20	200	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
75-09-2	METHYLENE CHLORIDE	ug/L	5	500	1	U	1	U	1	U	1	U	1	U
91-20-3	NAPHTHALENE	ug/L	14	140	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
135-98-8	sec-BUTYLBENZENE	ug/L	280	2800	0.55	U	0.55	U	0.55	U	0.55	U	0.55	U
100-42-5	STYRENE	ug/L	100	1000	0.45	U	0.45	U	0.45	U	0.45	U	0.45	U
127-18-4	TETRACHLOROETHENE	ug/L	3	300	0.48	U	0.48	U	0.48	U	0.48	U	0.48	U
108-88-3	TOLUENE	ug/L	40	400	0.49	U	0.49	U	0.49	U	0.49	U	0.49	U
156-60-5	trans-1,2-DICHLOROETHENE	ug/L	100	1000	0.59	U	0.59	U	0.59	U	0.59	U	0.59	U
10061-02-6	trans-1,3-DICHLOROPROPENE	ug/L	0.4	40	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U
79-01-6	TRICHLOROETHYLENE	ug/L	3	300	0.46	U	0.46	U	0.46	U	0.46	U	0.46	U
75-69-4	TRICHLOROFLUOROMETHANE	ug/L	2100	21000	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
108-05-4	VINYL ACETATE	ug/L	88	880	0.85	U	0.85	U	0.85	U	0.85	U	0.85	U
75-01-4	VINYL CHLORIDE	ug/L	1	100	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
1330-20-7	Xylenes- Total	ug/L	20	200	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U

TABLE 2: GROUNDWATER ANALYTICAL SUMMARY

Facility Name: 525 Park Street, Clearwater, FL

See Notes at end of Tables:

Location			GCTLs	NADCs	TMW-1		TMW-2		TMW-3		TMW-4		TMW-5	
Date					1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023	
CAS No	Analyte	Units			Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
EPA 8270 PAHs														
90-12-0	1-METHYLNAPHTHALENE	ug/L	28	280	0.04	U	0.042	U	0.043	U	0.04	U	0.04	U
91-57-6	2-METHYLNAPHTHALENE	ug/L	28	280	0.03	U	0.032	U	0.032	U	0.031	U	0.031	U
83-32-9	ACENAPHTHENE	ug/L	20	200	0.026	U	0.027	U	0.028	U	0.026	U	0.026	U
208-96-8	ACENAPHTHYLENE	ug/L	210	2100	0.03	U	0.031	U	0.032	U	0.03	U	0.03	U
120-12-7	ANTHRACENE	ug/L	2100	21000	0.049	U	0.052	U	0.053	U	0.05	U	0.05	U
191-24-2	BENZO(g,h,i)PERYLENE	ug/L	210	2100	0.041	U	0.044	U	0.045	U	0.042	U	0.042	U
206-44-0	FLUORANTHENE	ug/L	280	2800	0.035	U	0.037	U	0.038	U	0.035	U	0.035	U
86-73-7	FLUORENE	ug/L	280	2800	0.036	U	0.038	U	0.038	U	0.036	U	0.036	U
91-20-3	NAPHTHALENE	ug/L	14	140	0.051	U	0.054	U	0.055	U	0.052	U	0.052	U
85-01-8	PHENANTHRENE	ug/L	210	2100	0.034	U	0.036	U	0.036	U	0.034	U	0.034	U
129-00-0	PYRENE	ug/L	210	2100	0.034	U	0.036	U	0.037	U	0.035	U	0.035	U
56-55-3	BENZO(a)ANTHRACENE	ug/L	0.05	5	0.039	U	0.041	U	0.042	U	0.04	U	0.04	U
50-32-8	BENZO(a)PYRENE	ug/L	0.2	20	0.034	U	0.036	U	0.036	U	0.034	U	0.034	U
205-99-2	BENZO(b)FLUORANTHENE	ug/L	0.05	5	0.04	U	0.042	U	0.043	U	0.041	U	0.041	U
207-08-9	BENZO(k)FLUORANTHENE	ug/L	0.5	50	0.025	U	0.027	U	0.027	U	0.026	U	0.026	U
218-01-9	CHRYSENE	ug/L	4.8	480	0.029	U	0.03	U	0.031	U	0.029	U	0.029	U
53-70-3	DIBENZ(a,h)ANTHRACENE	ug/L	0.005	0.5	0.049	U	0.052	U	0.053	U	0.05	U	0.05	U
193-39-5	INDENO(1,2,3-c,d)PYRENE	ug/L	0.05	5	0.039	U	0.042	U	0.042	U	0.04	U	0.04	U

Notes:

- GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C. 4/17/2005
- NADCs = Natural Attenuation Default Concentrations - Groundwater Criteria specified in Table V of Chapter 62-777, F.A.C. 4/17/2005
- GCTL** indicates concentration exceeds GCTL
- NADC** indicates concentration exceeds NADC
- I = Estimated value, between laboratory reporting limit and method detection limit
- U = Indicates that the compound was analyzed for but not detected above the method detection limit (MDL).
- Bold** Bold results denote analyte was detected above the laboratory method detection limit
- * = As provided in Chapter 62-520, F.A.C. 4/17/2005
- ** = As provided in Chapter 62-520, F.A.C. 4/17/2005, multiplied by 10X
- *** = As provided in Chapter 62-520, F.A.C. 4/17/2005, multiplied by 100X

¹ = Detection Limit is above GCTL but below the Practical Quantitation Limit (PQL), per Table C Groundwater of the Guidance for the Selection of Analytical Methods and for the Evaluation of Practical Quantitation Limits; FDEP, October 12, 2004.

Appendix A

Field Logs

BORING LOG

Page 1 of 1

Boring/Well Number: SB-1		Permit Number:		FDEP Facility Identification Number:	
Site Name: Clearwater PSTA		Borehole Start Date: 1/26/23		Borehole Start Time: 1005 ☒ AM ☐ PM	
		End Date: 1/26/23		End Time: 1030 ☒ AM ☐ PM	
Environmental Contractor: Stantec (Cardno, Inc.)		Geologist's/Engineer's Name: Alex Jones		Environmental Technician's Name:	
Drilling Company: Net		Pavement Thickness (inches): 8.5		Borehole Diameter (inches): 4	
				Borehole Depth (feet): 12	
Drilling Method(s): HA/DP		Apparent Borehole DTW (in feet from soil moisture content): 6		Measured Well DTW (in feet after water recharges in well):	
				OVA (list model and check type): Phocheck Tiger ☐ FID ☒ PID	
Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☒ Spread ☐ Backfill ☐ Stockpile ☐ Other					
(describe if other or multiple items are checked):					
Borehole Completion (check one): ☒ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	8				3.4	1	silty fine sand, 30% roots	Sm	m	0-0.5 @ 1025
	1-2	8				1.2	2	↓ sandy, organic odor			
	2-3	8				0.5	3	sand, medium, brown	Sm	m	0.5-2 @ 1030
	3-4	8				0.1	4	↓ sandy medium, tan		vm	
	4-5	8				0.0	5			w	
	5-6						6	water table ~ 6'		w	
	6-7						7	SFA			
	7-8						8		Sm	s	
	8-9						9			s	
	9-10						10				
	10-11						11				
	11-12						12	↓ SFA		s	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 1

Boring/Well Number: SB-2		Permit Number:		FDEP Facility Identification Number:	
Site Name: Clearwater PSTA		Borehole Start Date: 1/26/23 End Date: 1/26/23		Borehole Start Time: 1050 ☐ AM ☐ PM End Time: 1105 ☒ AM ☐ PM	
Environmental Contractor: Stantec (Cardno, Inc.)		Geologist's/Engineer's Name: Alex Jones		Environmental Technician's Name: —	
Drilling Company: Net		Pavement Thickness (inches): grass		Borehole Diameter (inches): 4	
Drilling Method(s): HA/DP		Apparent Borehole DTW (in feet from soil moisture content): 6		Measured Well DTW (in feet after water recharges in well):	
				OVA (list model and check type): Phoccheck Tiger ☐ FID ☒ PID	
Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☒ Spread ☐ Backfill ☐ Stockpile ☐ Other (describe if other or multiple items are checked):					
Borehole Completion (check one): ☒ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	8				0	1	sand, fine, brown	Sm		0-0.5 @ 1160
	1-2	8				0	2	sand, medium, brown/gray			
	2-3	8				0	3	sand medium + brown			0.5-2 @ 1105
	3-4	8				0	4		Sm		
	4-5	8				0	5	sand, medium tan			
	5-6						6	water table @ 6'	Sm	W	
	6-7						7			S	
	7-8						8				
	8-9						9				
	9-10						10				
	10-11						11				
	11-12						12	5 AA	Sm		

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings

Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 1

Boring/Well Number: SB-3		Permit Number:		FDEP Facility Identification Number:	
Site Name: Clearwater PSTA		Borehole Start Date: 1/26/23	Borehole Start Time: 1110 ☒ AM ☐ PM		
		End Date: 1/26/23	End Time: 1135 ☒ AM ☐ PM		
Environmental Contractor: Stonke (Cardno, Inc.)		Geologist's/Engineer's Name: Alex Jones		Environmental Technician's Name:	
Drilling Company: NGT		Pavement Thickness (inches):	Borehole Diameter (inches): 4		Borehole Depth (feet):
Drilling Method(s): HA/DD	Apparent Borehole DTW (in feet from soil moisture content): 6		Measured Well DTW (in feet after water recharges in well):		OVA (list model and check type): Phocheck Tiger ☐ FID ☒ PID
Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☒ Spread ☐ Backfill ☐ Stockpile ☐ Other (describe if other or multiple items are checked):					
Borehole Completion (check one): ☒ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	8				0	1	Sand fine, brown	Sm	m	0-0.5' e 1130
	1-2	8				0	2	Sand, fine gray	Sm	m	0.5-2' e 1135
	2-3	8				0	3	Sand, medium, brown	Sm	m	
	3-4	8				0	4	Sand, medium, brown	Sm	m	
	4-5	8				0	5	Sand, medium, brown	Sm	m	
	5-6	8					6	Sand, medium, tan water table 26'	Sm	w	
	6-7						7			S	
	7-8						8			S	
	8-9						9			S	
	9-10						10			S	
	10-11						11			S	
	11-12						12	SSTA		S	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 1

Boring/Well Number: SB-4		Permit Number:		FDEP Facility Identification Number:	
Site Name: Cleornake PSTA		Borehole Start Date: 1/26/23 End Date: 1/26/23		Borehole Start Time: 1200 ☐ AM ☒ PM End Time: 1220 ☐ AM ☐ PM	
Environmental Contractor: Stantec (Cardno, Inc.)		Geologist's/Engineer's Name: Alex Jones		Environmental Technician's Name:	
Drilling Company: Net		Pavement Thickness (inches): 9.25		Borehole Diameter (inches): 4	
Drilling Method(s): HA/DP		Apparent Borehole DTW (in feet from soil moisture content): 6		Measured Well DTW (in feet after water recharges in well):	
				OVA (list model and check type): Phoccheck Tiger ☐ FID ☒ PID	
Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☒ Spread ☐ Backfill ☐ Stockpile ☐ Other (describe if other or multiple items are checked):					
Borehole Completion (check one): ☒ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA ↓ DP	0-1	8				0	1	Sand, fine, gray	Sm	m	0-0.5 @ 1215
	1-2	8					2	Sand, fine, brown/tan		m	0.5-2 @ 1220
	2-3	8				0	3				
	3-4	8				0	4	Sand, medium, brown little orange	Sm	m	
	4-5	8				0	5	water table at 6'		m	
	5-6						6			S	
	6-7						7				
	7-8						8			S	
	8-9						9	SAP			
	9-10						10	Sand, medium, gray	Sm		
	10-11						11			S	
	11-12						12	SAP		S	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Page 1 of 1

Boring/Well Number: SB-5		Permit Number:		FDEP Facility Identification Number:	
Site Name: Clearwater PSTA		Borehole Start Date: 1/26/23 End Date: 1/26/23		Borehole Start Time: 1240 ☐ AM ☒ PM End Time: 1255 ☐ AM ☒ PM	
Environmental Contractor: Stanter (Cardno, Inc.)		Geologist's/Engineer's Name: Alex Jones		Environmental Technician's Name:	
Drilling Company: NET		Pavement Thickness (inches): 8.55		Borehole Diameter (inches): 4	
Drilling Method(s): HA/DP		Apparent Borehole DTW (in feet from soil moisture content): 6		Measured Well DTW (in feet after water recharges in well):	
				OVA (list model and check type): Phocheck Tiger ☐ FID ☒ PID	
Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☒ Spread ☐ Backfill ☐ Stockpile ☐ Other (describe if other or multiple items are checked):					
Borehole Completion (check one): ☒ Well ☐ Grout ☐ Bentonite ☐ Backfill ☐ Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA ↓ ↓ ↓ ↓ DP ↓ ↓ ↓ ↓ ↓ ↓ ↓	0-1	8				0	1	Sand, fine, gray	Sm		0-0.5 e125b
	1-2	8				0	2	Sand, medium, tan			
	2-3	8				0	3	Sand, medium gray	Sm		0.5-2 1255
	3-4	8					4				
	4-5	8				0	5	Sand, medium, 6 mm / orange	Sm	W	
	5-6						6	water table ± 6'			
	6-7						7			S	
	7-8						8		SC		
	8-9						9	medium sand, clay, mix, brown	CL	S	
	9-10						10				
	10-11						11	clay, gray, green hawthorn	CL	W	
	11-12						12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

[illegible]

NEW WELL CONSTRUCTION LOG

This document is subject to change. Please select the appropriate option for each section that pertains to the well construction. For a description of the Florida Department of Environmental Protection Locational Data Standard please refer to the *Locational Data Standard* Microsoft Word document located at: www.dep.state.fl.us/waste/categories/pcp/pg_documents.htm. Petroleum Restoration Program requires a minimum of Rank 3 accuracy or better for the well location data.

WELL CONSTRUCTION DATA					
Well Number: TMW-1/SB-1		Site Name: Clearwater PSTA		FDEP Facility I.D. Number: Well Install Date: 1/26/23	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☒ Above Grade (AG) ☐ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) Monitoring ☒ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Method: DP	
If AG, list feet of riser above land surface: 2.64		Surface Casing Install Method:			
Borehole Depth (feet): 12	Well Depth (feet): 12	Borehole Diameter (inches): 4	Manhole Diameter (inches): —	Well Pad Size: NA	
Riser Diameter and Material: inches: 1 PVC		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)	Riser Length: — feet from 0 feet to 2 feet		
Screen Diameter and Material: inches: 1 PVC		Screen Slot Size: 0.01	Screen Length: 10 feet from 2 feet to 12 feet		
1 st Surface Casing Material: also check: ☐ Permanent ☒ Temporary		1 st Surface Casing I.D. (inches):	1 st Surface Casing Length: — feet from 0 feet to — feet		
2 nd Surface Casing Material: also check: ☐ Permanent ☒ Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: — feet from 0 feet to — feet		
3 rd Surface Casing Material: also check: ☐ Permanent ☒ Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: — feet from 0 feet to — feet		
Filter Pack Material and Size: 20-30 sand		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No	Filter Pack Length: 10.5 feet from 1.5 feet to 12 feet		
Filter Pack Seal Material and Size: 30-65 fine sand			Filter Pack Seal Length: 125 feet from 0.25 feet to 125 feet		
Surface Seal Material: sand 30-65		Status Code: stuck up	Surface Seal Length: 0.25 feet from 0 feet to 0.25 feet		

WELL DEVELOPMENT DATA			
Well Development Date: 1/26/23		Well Development Method (check one): ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Centrifugal ☐ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet) (BLS): 6.51	
Pumping Rate (gallons per minute): 0.14	Maximum Drawdown of Groundwater During Development (feet): 4.63	Well Purged Dry (check one): ☐ Yes ☒ No	
Pumping Condition (check one): ☒ Continuous ☐ Intermittent	Total Development Water Removed (gallons): 7	Development Duration (minutes): 50	Development Water Drummed (check one): ☐ Yes ☒ No
Water Appearance (color and odor) At Start of Development: brown		Water Appearance (color and odor) At End of Development: clear	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
Start 1040 stop 1130 13.78 - 2.64 = 11.14 well almost goes dry

NEW WELL CONSTRUCTION LOG

This document is subject to change. Please select the appropriate option for each section that pertains to the well construction. For a description of the Florida Department of Environmental Protection Locational Data Standard please refer to the *Locational Data Standard* Microsoft Word document located at: www.dep.state.fl.us/waste/categories/pcp/pg_documents.htm. Petroleum Restoration Program requires a minimum of Rank 3 accuracy or better for the well location data.

WELL CONSTRUCTION DATA					
Well Number: TMN-2/SB-2		Site Name: Clearwater PSTA		FDEP Facility I.D. Number:	Well Install Date: 1/26/23
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☐ Above Grade (AG) ☐ Flush-to-Grade		Well Purpose: ☒ Perched Monitoring ☐ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Method: DP	
If AG, list feet of riser above land surface: 269				Surface Casing Install Method:	
Borehole Depth (feet): 12	Well Depth (feet): 12	Borehole Diameter (inches): 4	Manhole Diameter (inches):	Well Pad Size: NA	
Riser Diameter and Material: inches: 1 PVC		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)	Riser Length: 2 feet from 0 feet to 2 feet		
Screen Diameter and Material: inches: 1 PVC		Screen Slot Size: 0.01	Screen Length: 10 feet from 2 feet to 12 feet		
1 st Surface Casing Material: also check: ☐ Permanent ☒ Temporary		1 st Surface Casing I.D. (inches):	1 st Surface Casing Length: feet from 0 feet to feet		
2 nd Surface Casing Material: also check: ☐ Permanent ☒ Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: feet from 0 feet to feet		
3 rd Surface Casing Material: also check: ☐ Permanent ☒ Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: feet from 0 feet to feet		
Filter Pack Material and Size: 20-30 sand		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No	Filter Pack Length: 10.5 feet from 1.5 feet to 12 feet		
Filter Pack Seal Material and Size: 30-65 fine sand			Filter Pack Seal Length: 1.25 feet from 0.25 feet to 1.5 feet		
Surface Seal Material: sand 30-65		Status Code: stickup	Surface Seal Length: 0.25 feet from 0 feet to 0.25 feet		

WELL DEVELOPMENT DATA			
Well Development Date: 1/26/23		Well Development Method (check one): ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Submersible ☐ Centrifugal ☐ Peristaltic ☐ Other (describe)		Depth to Groundwater (before developing in feet) (BLS): 7.26	
Pumping Rate (gallons per minute): 0.11	Maximum Drawdown of Groundwater During Development (feet): 0.45	Well Purged Dry (check one): ☐ Yes ☒ No	
Pumping Condition (check one): ☒ Continuous ☐ Intermittent	Total Development Water Removed (gallons): 5	Development Duration (minutes): 45	Development Water Drummed (check one): ☐ Yes ☒ No
Water Appearance (color and odor) At Start of Development: brown		Water Appearance (color and odor) At End of Development: clear	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
Start: 1115 Stop: 1200 9.45-2.69 10.40

NEW WELL CONSTRUCTION LOG

This document is subject to change. Please select the appropriate option for each section that pertains to the well construction. For a description of the Florida Department of Environmental Protection Locational Data Standard please refer to the *Locational Data Standard* Microsoft Word document located at: www.dep.state.fl.us/waste/categories/pcp/pg_documents.htm. Petroleum Restoration Program requires a minimum of Rank 3 accuracy or better for the well location data.

WELL CONSTRUCTION DATA					
Well Number: TMW-3/SB-3		Site Name: Clearwater PSTA		FDEP Facility I.D. Number:	
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☒ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☒ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☐ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Date: 1/26/23	
If AG, list feet of riser above land surface: 2.68				Well Install Method: DP	
Borehole Depth (feet): 12		Well Depth (feet): 12		Borehole Diameter (inches): 4	
Manhole Diameter (inches): -		Well Pad Size: NA		feet by feet	
Riser Diameter and Material: inches: 1 PVC		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)		Riser Length: 2 feet from 0 feet to 2 feet	
Screen Diameter and Material: inches: 1 PVC		Screen Slot Size: 0.01		Screen Length: 10 feet from 2 feet to 12 feet	
1 st Surface Casing Material: also check: ☒ Permanent ☒ Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: feet from 0 feet to feet	
2 nd Surface Casing Material: also check: ☒ Permanent ☒ Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: feet from 0 feet to feet	
3 rd Surface Casing Material: also check: ☒ Permanent ☒ Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: feet from 0 feet to feet	
Filter Pack Material and Size: 20-30 sand		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No		Filter Pack Length: 10.5 feet from 0.5 feet to 12 feet	
Filter Pack Seal Material and Size: 30-65 fine sand				Filter Pack Seal Length: 1.25 feet from 0.25 feet to 1.5 feet	
Surface Seal Material: sand 30-65		Status Code: stickup		Surface Seal Length: 0.25 feet from 0 feet to 0.25 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 1/26/23		Well Development Method (check one): ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Centrifugal ☒ Peristaltic ☐ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet) (BLS): 6.99	
Pumping Rate (gallons per minute): 0.11		Maximum Drawdown of Groundwater During Development (feet): 0.13	
Pumping Condition (check one): ☒ Continuous ☐ Intermittent		Well Purged Dry (check one): ☐ Yes ☒ No	
Total Development Water Removed (gallons): 5		Development Duration (minutes): 45	
Development Water Drummed (check one): ☐ Yes ☒ No			
Water Appearance (color and odor) At Start of Development: brown		Water Appearance (color and odor) At End of Development: clear	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS	
Start 1135 9.67 - 2.68 Start 1220 9.86	

NEW WELL CONSTRUCTION LOG

This document is subject to change. Please select the appropriate option for each section that pertains to the well construction. For a description of the Florida Department of Environmental Protection Locational Data Standard please refer to the *Locational Data Standard* Microsoft Word document located at www.dep.state.fl.us/waste/categories/pcp/pg_documents.htm. Petroleum Restoration Program requires a minimum of Rank 3 accuracy or better for the well location data.

WELL CONSTRUCTION DATA					
Well Number: TMW-4/SB-4		Site Name: Clearwater PSTA		FDEP Facility I.D. Number:	Well Install Date: 1/26/23
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☒ Above Grade (AG) ☒ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☒ Shallow (Water-Table) Monitoring ☒ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Method: DP	
If AG, list feet of riser above land surface: 2.61				Surface Casing Install Method:	
Borehole Depth (feet): 12	Well Depth (feet): 12	Borehole Diameter (inches): 4	Manhole Diameter (inches):	Well Pad Size: NA _____ feet by _____ feet	
Riser Diameter and Material: Inches: 1 PVC		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)	Riser Length: 2 feet from 0 feet to 2 feet		
Screen Diameter and Material: Inches: 1 PVC		Screen Slot Size: 0.01	Screen Length: 10 feet from 2 feet to 12 feet		
1 st Surface Casing Material: also check: ☐ Permanent ☒ Temporary		1 st Surface Casing I.D. (inches):	1 st Surface Casing Length: _____ feet from 0 feet to _____ feet		
2 nd Surface Casing Material: also check: ☐ Permanent ☒ Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: _____ feet from 0 feet to _____ feet		
3 rd Surface Casing Material: also check: ☐ Permanent ☒ Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: _____ feet from 0 feet to _____ feet		
Filter Pack Material and Size: 20-30 sand		Prepacked Filter Around Screen (check one): ☒ Yes ☐ No	Filter Pack Length: 10.5 feet from 1.5 feet to 12 feet		
Filter Pack Seal Material and Size: 30-65 fine sand			Filter Pack Seal Length: 1.25 feet from 0.25 feet to 1.5 feet		
Surface Seal Material: Sand 30-65		Status Code: stickup	Surface Seal Length: 0.25 feet from 0 feet to 0.25 feet		

WELL DEVELOPMENT DATA			
Well Development Date: 1/26/23		Well Development Method (check one): ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Submersible ☐ Centrifugal ☐ Peristaltic ☐ Other (describe)		Depth to Groundwater (before developing in feet) (BLS): 6.95	
Pumping Rate (gallons per minute): 0.16	Maximum Drawdown of Groundwater During Development (feet): 1.25	Well Purged Dry (check one): ☒ Yes ☐ No	
Pumping Condition (check one): ☒ Continuous ☐ Intermittent	Total Development Water Removed (gallons): 5	Development Duration (minutes): 30	Development Water Drummed (check one): ☐ Yes ☒ No
Water Appearance (color and odor) At Start of Development: brown		Water Appearance (color and odor) At End of Development: clear	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS	
Start: 1235 9.56 - 2.61 Stop: 1305 10.81	

NEW WELL CONSTRUCTION LOG

This document is subject to change. Please select the appropriate option for each section that pertains to the well construction. For a description of the Florida Department of Environmental Protection Locational Data Standard please refer to the *Locational Data Standard* Microsoft Word document located at www.dep.state.fl.us/waste/categories/pcp/pg_documents.htm. Petroleum Restoration Program requires a minimum of Rank 3 accuracy or better for the well location data.

WELL CONSTRUCTION DATA					
Well Number: <u>1MW-5/SB-5</u>		Site Name: <u>Clearwater PSTA</u>		FDEP Facility I.D. Number:	Well Install Date: <u>1/26/23</u>
Well Location and Type (check appropriate boxes): ☒ On-Site ☐ Right-of-Way ☐ Off-Site Private Property ☒ Above Grade (AG) ☐ Flush-to-Grade		Well Purpose: ☐ Perched Monitoring ☐ Shallow (Water-Table) Monitoring ☒ Intermediate or Deep Monitoring ☐ Remediation or Other (describe)		Well Install Method: <u>DP</u>	
If AG, list feet of riser above land surface: <u>3.01</u>		Surface Casing Install Method:			
Borehole Depth (feet):	Well Depth (feet):	Borehole Diameter (inches):	Manhole Diameter (inches):	Well Pad Size: <u>NA</u> feet by <u>NA</u> feet	
Riser Diameter and Material: inches: <u>1</u> <u>PVC</u>		Riser/Screen Connections: ☒ Flush-Threaded ☐ Other (describe)	Riser Length: <u>2</u> feet from <u>0</u> feet to <u>2</u> feet		
Screen Diameter and Material: inches: <u>1</u> <u>PVC</u>		Screen Slot Size: <u>0.01</u>	Screen Length: <u>10</u> feet from <u>2</u> feet to <u>12</u> feet		
1 st Surface Casing Material: also check: ☒ Permanent ☐ Temporary		1 st Surface Casing I.D. (inches):	1 st Surface Casing Length: <u>NA</u> feet from <u>0</u> feet to <u>NA</u> feet		
2 nd Surface Casing Material: also check: ☒ Permanent ☐ Temporary		2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: <u>NA</u> feet from <u>0</u> feet to <u>NA</u> feet		
3 rd Surface Casing Material: also check: ☒ Permanent ☐ Temporary		3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: <u>NA</u> feet from <u>0</u> feet to <u>NA</u> feet		
Filter Pack Material and Size: <u>20-30 sand</u>		Prepacked Filter Around Screen (check one): ☐ Yes ☐ No	Filter Pack Length: <u>10.5</u> feet from <u>1.5</u> feet to <u>12</u> feet		
Filter Pack Seal Material and Size: <u>30-65 fine sand</u>			Filter Pack Seal Length: <u>1.25</u> feet from <u>0.25</u> feet to <u>1.5</u> feet		
Surface Seal Material: <u>sand 30-65</u>		Status Code: <u>stickup</u>	Surface Seal Length: <u>0.25</u> feet from <u>0</u> feet to <u>0.25</u> feet		

WELL DEVELOPMENT DATA			
Well Development Date: <u>1/26/23</u>		Well Development Method (check one): ☒ Surge/Pump ☐ Pump ☐ Compressed Air ☐ Other (describe)	
Development Pump Type (check): ☒ Submersible ☐ Other (describe)		Depth to Groundwater (before developing in feet) (BLS): <u>6.49</u>	
Pumping Rate (gallons per minute): <u>0.04</u>	Maximum Drawdown of Groundwater During Development (feet): <u>5.07</u>		Well Purged Dry (check one): ☒ Yes ☐ No
Pumping Condition (check one): ☒ Continuous ☐ Intermittent	Total Development Water Removed (gallons): <u>1.5</u>	Development Duration (minutes): <u>35</u>	Development Water Drummed (check one): ☐ Yes ☒ No
Water Appearance (color and odor) At Start of Development: <u>brown</u>		Water Appearance (color and odor) At End of Development: <u>Clear</u>	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS
<u>Start: 1300</u> <u>Stop: 1335</u> <u>9.50-301</u> <u>14.57</u> <u>Slow recharge, almost dry</u>

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Clearwater, PS7A		SITE LOCATION: Clearwater, FL	
WELL NO: Tmw-1	SAMPLE ID: Tmw-1	DATE: 1/27/23	

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1/8	WELL SCREEN INTERVAL DEPTH: 2 feet to 12 feet	STATIC DEPTH TO WATER (feet): 8.02	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (12 feet - 8.02 feet) X 0.04 gallons/foot = 0.16 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.5	PURGING INITIATED AT: 930	PURGING ENDED AT: 957	TOTAL VOLUME PURGED (gallons): 1.08

[illegible]

WELL CAPACITY (Gallons Per Foot): **0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88**
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016**

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

[illegible]

REMARKS: slightly elevated turbidity

DEP: 161.6, 162.0, 162.9, 163.3, 162.9 11.02

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene;
S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

62-160.800 F.A.C.

Revision Date: January 2017

SITE NAME: Clearwater PSTA		SITE LOCATION: Clearwater, FL	
WELL NO: Tmw-2	SAMPLE ID: Tmw-2	DATE: 1/27/23	

TDC 1997

SAMPLING DATA

[illegible]

REMARKS:

REMARKS:
 (12P: 167.2, 167.7, 167.8, 168.3

97-269

10.06

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene;
S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

62-160.800 F.A.C.

Revision Date: January 2017

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Clearwater PSTA		SITE LOCATION: Clearwater FL	
WELL NO: Tmw-3	SAMPLE ID: Tmw-3	DATE: 1/27/23	

PURGING DATA

WELL DIAMETER (Inches): 1	TUBING DIAMETER (Inches): 1.8	WELL SCREEN INTERVAL DEPTH: 2 feet to 12 feet	STATIC DEPTH TO WATER (feet): 6.47	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= (12 \text{ feet} - 6.47 \text{ feet}) \times 0.04 \text{ gallons/foot} = 0.22 \text{ gallons}$				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$				

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

[illegible]

REMARKS:

GRP: 164.9, 164.3, 164.2, 164.1

9.15-2.68 9.21

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

62-160.800 F.A.C.

Revision Date: January 2017

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Clearwater PSTA		SITE LOCATION: Clearwater, FL	
WELL NO: Tmw-4	SAMPLE ID: Tmw-4	DATE: 1/27/23	

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1.8	WELL SCREEN INTERVAL DEPTH: 2 feet to 12 feet	STATIC DEPTH TO WATER (feet): 7.57	PURGE PUMP TYPE OR BAILER: PP
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) $= 12 \text{ feet} - 7.57 \text{ feet} \times 0.04 \text{ gallons/foot} = 0.18 \text{ gallons}$				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 1154	PURGING ENDED AT: 1218	TOTAL VOLUME PURGED (gallons): 0.96

[illegible]

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alex J. J. / State				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 12/14		SAMPLING ENDED AT: 12/25	
PUMP OR TUBING DEPTH IN WELL (feet): 10				TUBING MATERIAL CODE: HDPE			FIELD-FILTERED: Y (N)		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y (N)				TUBING Y (N) (replaced)			DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
THW-4	3	CG	40~2	HCl fix	/	/	VDC		APP	150
THW-4	1	AG	250~	NaOH fix			PH		APP	200
THW-4	1	PG	500~	HNO ₃ fix			&RC&O		APP	200

REMARKS:

ORP: 168.7 169.2, 169.3, 169.5 10.16-2.61 10.30

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump;
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

62-160.800 F.A.C.

Revision Date: January 2017

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Clearwater PSTA		SITE LOCATION: Clearwater, FL	
WELL NO: Tmw-5	SAMPLE ID: Tmw-5		DATE: 1/27/23

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 1.8	WELL SCREEN INTERVAL DEPTH: 2 feet to 2 feet	STATIC DEPTH TO WATER (feet): 886	PURGE PUMP TYPE OR BAILER:
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = 12 feet - 886 feet X 0.64 gallons/foot = 6.13 gallons				
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.5	PURGING INITIATED AT: 1235	PURGING ENDED AT: 1252	TOTAL VOLUME PURGED (gallons): 6.51

[illegible]

WELL CAPACITY (Gallons Per Foot): **0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88**
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016**

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Alex Jones / Skutumpah				SAMPLER(S), SIGNATURE(S): <i>[Signature]</i>			SAMPLING INITIATED AT: 1253		SAMPLING ENDED AT: 1305	
PUMP OR TUBING DEPTH IN WELL (feet): 10.4				TUBING MATERIAL CODE: HDPE			FIELD-FILTERED: Y (N)		FILTER SIZE: _____ µm	
FIELD DECONTAMINATION: PUMP Y (N)				TUBING Y (N/replaced)			DUPLICATE: Y (N)			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)						
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
Trinity	3	CG	40mL	HCl fice	/		VOC	APP	120	
Trinity	1	FG	250mL	NaThio fice			PAH	APP	120	
Trinity	1	PE	500mL	HNO ₃ fice			8 RCRA	APP	120	
REMARKS: OK. 170.7, 172.1, 172.2, 173.0 DTW dropping 11.87 - 3.01										
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; HDPE = High Density Polyethylene; LDPE = Low Density Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING EQUIPMENT CODES: APP = After (Through) Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)										

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** $\pm 0.2^\circ\text{C}$ **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $\pm 0.2\text{ mg/L}$ or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings $\leq 20\text{ NTU}$; optionally $\pm 5\text{ NTU}$ or $\pm 10\%$ (whichever is greater)

62-160.800 F.A.C.

Revision Date: January 2017

Field Instrument Calibration Log

Name: Alex Jones
 INSTRUMENT (MAKE/MODEL#) YSI Pro Plus INSTRUMENT # 16D101091

Dissolved Oxygen	Date	Time	Temp.	DO Chart mg/L	Meter DO Reading mg/L	% DO	Calibrated Y / N	Pass Y / N
Initial	1/27	910	13.5	—	10.34	100.4	Y	Y
Cont.	1/27	1320	23.0	8.578	8.65	101.2	Y	Y
Cont.								
Cont.								

DO Acceptance criteria ± 0.3 mg/L

Lot#: 117/1413C Expiration Date: 3/2024

Specific Conductivity	Date	Time	Standard μ mhos/cm	Meter Reading μ mhos/cm	Calibrated Y / N	Pass Y / N
Initial	1/27	911	1413	1403	Y	Y
Cont.	1/27	1321	1413	1416	Y	Y
Cont.						
Cont.						

SC Acceptance criteria $\pm 5\%$

pH 4 Lot #: 104-E pH 7 Lot #: 105-E pH 10 Lot #: 106-E
 Expiration Date: 2/2024 Expiration Date: 2/2024 Expiration Date: 2/2024

pH	Date	Time	pH Buffer SU	Meter Reading SU	Calibrated Y / N	Pass Y / N
Initial	1/27	912	4	4.01	Y	Y
Initial		913	7	7.07	Y	Y
Initial		914	10	10.02	Y	Y
Cont.		1322	4	4.05	Y	Y
Cont.		1323	7	6.99	Y	Y
Cont.		1324	10	10.05	Y	Y
Cont.						
Cont.						
Cont.						

pH Acceptance criteria ± 0.2 SU

Lot #: _____ Expiration Date: 6/2024

ORP	Date	Time	Standard mV	Meter Reading mV	Calibrated Y / N	Pass Y / N
Initial	1/27	915	240 240	243	Y	Y
Cont.	1/27	1325	240 240	244	Y	Y
Cont.						
Cont.						

INSTRUMENT (MAKE/MODEL#) 2020we INSTRUMENT # 6117-4815

0 NTU Lot #: _____ 1 NTU Lot #: 22010119 10 NTU Lot #: 21110199B NTU Lot #: _____
 Expiration Date: _____ Expiration Date: 7/2023 Expiration Date: 8/2023 Expiration Date: _____

Turbidity	Date	Time	Standard NTU	Meter Reading NTU	Calibrated Y / N	Pass Y / N
Initial	1/27	916	1	1.22	N	Y
Initial		917	10	10.73	N	Y
Initial						
Initial						
Cont.	1/27	1326	1	10.95	N	Y
Cont.		1327	10	10.33	N	Y
Cont.						
Cont.						
Cont.						
Cont.						
Cont.						

Acceptable ranges for common standards: 10 NTU (9.0 - 11.0 NTU); 20 NTU (18.4 - 21.6 NTU); 100 NTU (93.5 - 106.5 NTU); 800 NTU (760 - 840 NTU)

Appendix B

Laboratory Analytical Reports



Advanced Environmental Laboratories, Inc
9610 Princess Palm Ave Tampa, FL 33619
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (813) 630-9616
Fax: (813) 630-4327

DRAFT

Workorder: Clearwater PSTA (T2301957)

February 15, 2023

Cardno
380 Park Place Blvd. Suite 300
Clearwater, FL 33759

RE: Workorder: T2301957 Clearwater PSTA

:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday January 27, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheila Wilcox, Assistant Lab Manager
SWilcox@aellab.com

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DRAFT

Workorder: Clearwater PSTA (T2301957)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2301957001	TMW-1	WA	SW-846 6010	01/27/2023 09:58	01/27/2023 15:35	7	NA
T2301957001	TMW-1	WA	SW-846 8260B	01/27/2023 09:58	01/27/2023 15:35	68	NA
T2301957001	TMW-1	WA	SW-846 8270C (SIM)	01/27/2023 09:58	01/27/2023 15:35	18	NA
T2301957002	TMW-2	WA	SW-846 6010	01/27/2023 10:54	01/27/2023 15:35	7	NA
T2301957002	TMW-2	WA	SW-846 8260B	01/27/2023 10:54	01/27/2023 15:35	68	NA
T2301957002	TMW-2	WA	SW-846 8270C (SIM)	01/27/2023 10:54	01/27/2023 15:35	18	NA
T2301957003	TMW-3	WA	SW-846 6010	01/27/2023 11:34	01/27/2023 15:35	7	NA
T2301957003	TMW-3	WA	SW-846 8260B	01/27/2023 11:34	01/27/2023 15:35	68	NA
T2301957003	TMW-3	WA	SW-846 8270C (SIM)	01/27/2023 11:34	01/27/2023 15:35	18	NA
T2301957004	TMW-4	WA	SW-846 6010	01/27/2023 12:19	01/27/2023 15:35	7	NA
T2301957004	TMW-4	WA	SW-846 8260B	01/27/2023 12:19	01/27/2023 15:35	68	NA
T2301957004	TMW-4	WA	SW-846 8270C (SIM)	01/27/2023 12:19	01/27/2023 15:35	18	NA
T2301957005	TMW-5	WA	SW-846 6010	01/27/2023 12:53	01/27/2023 15:35	7	NA
T2301957005	TMW-5	WA	SW-846 8260B	01/27/2023 12:53	01/27/2023 15:35	68	NA
T2301957005	TMW-5	WA	SW-846 8270C (SIM)	01/27/2023 12:53	01/27/2023 15:35	18	NA

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DRAFT

Workorder: Clearwater PSTA (T2301957)

Workorder Summary

Batch Comments

MSSSt/2278 - 8270C Analysis, Water, SIM Only

The control criteria for p-Terphenyl-d14 in G2300872005, T2301958003, and T2301957001 are not applicable. As recorded in the extraction logbook, the samples formed emulsions in the solvent layer during the extraction. Such emulsions are known to negatively affect surrogate yields. The affected surrogates were qualified to indicate matrix interference.

The surrogate recovery of p-Terphenyl-d14 for T2301958002 was outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The surrogate was qualified to indicate suspected matrix interference.

Analysis Results Comments

T2301957001 (TMW-1) - p-Terphenyl-d14

J4|Estimated Result

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DRAFT

Workorder: Clearwater PSTA (T2301957)

Analytical Results Qualifiers

Parameter Qualifiers

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Lab Qualifiers

- M DOH Certification #E82535 (FL NELAC) AEL-Miami
- T DOH Certification #E84589 (FL NELAC) AEL-Tampa

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DRAFT

Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957001
Sample ID: TMW-1

Date Collected: 01/27/2023 09:58
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3010A/SW-846 6010)								
Arsenic	8.0 U	ug/L	10	8.0	1	01/30/2023 12:00	01/31/2023 11:26	T
Barium	29	ug/L	10	3.0	1	01/30/2023 12:00	01/31/2023 11:26	T
Cadmium	1.0 U	ug/L	2.0	1.0	1	01/30/2023 12:00	01/31/2023 11:26	T
Chromium	11	ug/L	10	5.0	1	01/30/2023 12:00	01/31/2023 11:26	T
Lead	7.8 I	ug/L	10	3.0	1	01/30/2023 12:00	01/31/2023 11:26	T
Selenium	20 U	ug/L	100	20	1	01/30/2023 12:00	01/31/2023 11:26	T
Silver	8.0 U	ug/L	10	8.0	1	01/30/2023 12:00	01/31/2023 11:26	T
SEMIVOLATILES (SW-846 3510C/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.040 U	ug/L	0.19	0.040	1	02/01/2023 11:25	02/02/2023 19:37	T
2-Methylnaphthalene	0.030 U	ug/L	0.19	0.030	1	02/01/2023 11:25	02/02/2023 19:37	T
Acenaphthene	0.026 U	ug/L	0.19	0.026	1	02/01/2023 11:25	02/02/2023 19:37	T
Acenaphthylene	0.030 U	ug/L	0.19	0.030	1	02/01/2023 11:25	02/02/2023 19:37	T
Anthracene	0.049 U	ug/L	0.19	0.049	1	02/01/2023 11:25	02/02/2023 19:37	T
Benzo[a]anthracene	0.039 U	ug/L	0.19	0.039	1	02/01/2023 11:25	02/02/2023 19:37	T
Benzo[a]pyrene	0.034 U	ug/L	0.19	0.034	1	02/01/2023 11:25	02/02/2023 19:37	T
Benzo[b]fluoranthene	0.040 U	ug/L	0.093	0.040	1	02/01/2023 11:25	02/02/2023 19:37	T
Benzo[g,h,i]perylene	0.041 U	ug/L	0.19	0.041	1	02/01/2023 11:25	02/02/2023 19:37	T
Benzo[k]fluoranthene	0.025 U	ug/L	0.19	0.025	1	02/01/2023 11:25	02/02/2023 19:37	T
Chrysene	0.029 U	ug/L	0.19	0.029	1	02/01/2023 11:25	02/02/2023 19:37	T
Dibenzo[a,h]anthracene	0.049 U	ug/L	0.19	0.049	1	02/01/2023 11:25	02/02/2023 19:37	T
Fluoranthene	0.035 U	ug/L	0.19	0.035	1	02/01/2023 11:25	02/02/2023 19:37	T
Fluorene	0.036 U	ug/L	0.19	0.036	1	02/01/2023 11:25	02/02/2023 19:37	T
Indeno(1,2,3-cd)pyrene	0.039 U	ug/L	0.19	0.039	1	02/01/2023 11:25	02/02/2023 19:37	T
Naphthalene	0.051 U	ug/L	0.19	0.051	1	02/01/2023 11:25	02/02/2023 19:37	T
Phenanthrene	0.034 U	ug/L	0.19	0.034	1	02/01/2023 11:25	02/02/2023 19:37	T
Pyrene	0.034 U	ug/L	0.19	0.034	1	02/01/2023 11:25	02/02/2023 19:37	T

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DRAFT

Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957001
Sample ID: TMW-1

Date Collected: 01/27/2023 09:58
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260B)								
1,1,1,2-Tetrachloroethane	0.67 U	ug/L	1.0	0.67	1	02/08/2023 06:30	02/08/2023 15:41	M
1,1,1-Trichloroethane	0.55 U	ug/L	1.0	0.55	1	02/08/2023 06:30	02/08/2023 15:41	M
1,1,2,2-Tetrachloroethane	0.16 U	ug/L	1.0	0.16	1	02/08/2023 06:30	02/08/2023 15:41	M
1,1,2-Trichloroethane	0.61 U	ug/L	1.0	0.61	1	02/08/2023 06:30	02/08/2023 15:41	M
1,1-Dichloroethane	0.37 U	ug/L	1.0	0.37	1	02/08/2023 06:30	02/08/2023 15:41	M
1,1-Dichloroethylene	0.47 U	ug/L	1.0	0.47	1	02/08/2023 06:30	02/08/2023 15:41	M
1,1-Dichloropropene	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 15:41	M
1,2,3-Trichlorobenzene	0.80 U	ug/L	5.0	0.80	1	02/08/2023 06:30	02/08/2023 15:41	M
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1	02/08/2023 06:30	02/08/2023 15:41	M
1,2,4-Trichlorobenzene	0.57 U	ug/L	1.0	0.57	1	02/08/2023 06:30	02/08/2023 15:41	M
1,2,4-Trimethylbenzene	0.47 U	ug/L	5.0	0.47	1	02/08/2023 06:30	02/08/2023 15:41	M
1,2-Dibromo-3-Chloropropane	0.026 U	ug/L	0.10	0.026	1	02/08/2023 06:30	02/08/2023 15:41	M
1,2-Dichlorobenzene	0.87 U	ug/L	1.0	0.87	1	02/08/2023 06:30	02/08/2023 15:41	M
1,2-Dichloroethane	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 15:41	M
1,2-Dichloropropane	0.57 U	ug/L	1.0	0.57	1	02/08/2023 06:30	02/08/2023 15:41	M
1,3,5-Trimethylbenzene	0.42 U	ug/L	1.0	0.42	1	02/08/2023 06:30	02/08/2023 15:41	M
1,3-Dichlorobenzene	0.59 U	ug/L	1.0	0.59	1	02/08/2023 06:30	02/08/2023 15:41	M
1,3-Dichloropropane	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 15:41	M
1,4-Dichlorobenzene	0.48 U	ug/L	1.0	0.48	1	02/08/2023 06:30	02/08/2023 15:41	M
2,2-Dichloropropane	0.39 U	ug/L	1.0	0.39	1	02/08/2023 06:30	02/08/2023 15:41	M
2-Butanone (MEK)	1.6 U	ug/L	5.0	1.6	1	02/08/2023 06:30	02/08/2023 15:41	M
2-Chloroethyl Vinyl Ether	1.5 U	ug/L	5.0	1.5	1	02/08/2023 06:30	02/08/2023 15:41	M
2-Chlorotoluene	0.57 U	ug/L	1.0	0.57	1	02/08/2023 06:30	02/08/2023 15:41	M
2-Hexanone	0.78 U	ug/L	5.0	0.78	1	02/08/2023 06:30	02/08/2023 15:41	M
4-Chlorotoluene	0.35 U	ug/L	1.0	0.35	1	02/08/2023 06:30	02/08/2023 15:41	M
4-Methyl-2-pentanone (MIBK)	1.9 U	ug/L	5.0	1.9	1	02/08/2023 06:30	02/08/2023 15:41	M

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DRAFT

Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957001
Sample ID: TMW-1

Date Collected: 01/27/2023 09:58
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	2.0 U	ug/L	25	2.0	1	02/08/2023 06:30	02/08/2023 15:41	M
Acrolein (Propenal)	3.4 U	ug/L	25	3.4	1	02/08/2023 06:30	02/08/2023 15:41	M
Acrylonitrile	2.6 U	ug/L	5.0	2.6	1	02/08/2023 06:30	02/08/2023 15:41	M
Benzene	0.18 U	ug/L	1.0	0.18	1	02/08/2023 06:30	02/08/2023 15:41	M
Bromobenzene	0.54 U	ug/L	1.0	0.54	1	02/08/2023 06:30	02/08/2023 15:41	M
Bromochloromethane	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 15:41	M
Bromodichloromethane	0.42 U	ug/L	1.0	0.42	1	02/08/2023 06:30	02/08/2023 15:41	M
Bromoform	0.73 U	ug/L	5.0	0.73	1	02/08/2023 06:30	02/08/2023 15:41	M
Bromomethane	0.64 U	ug/L	1.0	0.64	1	02/08/2023 06:30	02/08/2023 15:41	M
Carbon Disulfide	1.1 U	ug/L	5.0	1.1	1	02/08/2023 06:30	02/08/2023 15:41	M
Carbon Tetrachloride	0.43 U	ug/L	1.0	0.43	1	02/08/2023 06:30	02/08/2023 15:41	M
Chlorobenzene	0.69 U	ug/L	1.0	0.69	1	02/08/2023 06:30	02/08/2023 15:41	M
Chloroethane	0.64 U	ug/L	1.0	0.64	1	02/08/2023 06:30	02/08/2023 15:41	M
Chloroform	0.51 U	ug/L	1.0	0.51	1	02/08/2023 06:30	02/08/2023 15:41	M
Chloromethane	0.42 U	ug/L	1.0	0.42	1	02/08/2023 06:30	02/08/2023 15:41	M
Dibromochloromethane	0.37 U	ug/L	1.0	0.37	1	02/08/2023 06:30	02/08/2023 15:41	M
Dibromomethane	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 15:41	M
Dichlorodifluoromethane	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 15:41	M
Ethylbenzene	0.38 U	ug/L	1.0	0.38	1	02/08/2023 06:30	02/08/2023 15:41	M
Ethylene Dibromide (EDB)	0.013 U	ug/L	0.10	0.013	1	02/08/2023 06:30	02/08/2023 15:41	M
Hexachlorobutadiene	0.31 U	ug/L	5.0	0.31	1	02/08/2023 06:30	02/08/2023 15:41	M
Iodomethane (Methyl Iodide)	1.2 U	ug/L	5.0	1.2	1	02/08/2023 06:30	02/08/2023 15:41	M
Isopropylbenzene	0.37 U	ug/L	1.0	0.37	1	02/08/2023 06:30	02/08/2023 15:41	M
Methyl tert-butyl Ether (MTBE)	0.24 U	ug/L	1.0	0.24	1	02/08/2023 06:30	02/08/2023 15:41	M
Methylene Chloride	1.0 U	ug/L	5.0	1.0	1	02/08/2023 06:30	02/08/2023 15:41	M
Naphthalene	0.40 U	ug/L	5.0	0.40	1	02/08/2023 06:30	02/08/2023 15:41	M
Styrene	0.45 U	ug/L	1.0	0.45	1	02/08/2023 06:30	02/08/2023 15:41	M

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DRAFT

Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957001
Sample ID: TMW-1

Date Collected: 01/27/2023 09:58
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.48 U	ug/L	1.0	0.48	1	02/08/2023 06:30	02/08/2023 15:41	M
Toluene	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 15:41	M
Trichloroethene	0.46 U	ug/L	1.0	0.46	1	02/08/2023 06:30	02/08/2023 15:41	M
Trichlorofluoromethane	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 15:41	M
Vinyl Acetate	0.85 U	ug/L	5.0	0.85	1	02/08/2023 06:30	02/08/2023 15:41	M
Vinyl Chloride	0.12 U	ug/L	1.0	0.12	1	02/08/2023 06:30	02/08/2023 15:41	M
Xylene (Total)	1.1 U	ug/L	2.0	1.1	1	02/08/2023 06:30	02/08/2023 15:41	M
cis-1,2-Dichloroethylene	0.48 U	ug/L	1.0	0.48	1	02/08/2023 06:30	02/08/2023 15:41	M
cis-1,3-Dichloropropene	0.19 U	ug/L	1.0	0.19	1	02/08/2023 06:30	02/08/2023 15:41	M
n-Butylbenzene	0.55 U	ug/L	1.0	0.55	1	02/08/2023 06:30	02/08/2023 15:41	M
n-propylbenzene	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 15:41	M
sec-butylbenzene	0.55 U	ug/L	1.0	0.55	1	02/08/2023 06:30	02/08/2023 15:41	M
tert-butylbenzene	0.39 U	ug/L	1.0	0.39	1	02/08/2023 06:30	02/08/2023 15:41	M
trans-1,2-Dichloroethylene	0.59 U	ug/L	1.0	0.59	1	02/08/2023 06:30	02/08/2023 15:41	M
trans-1,3-Dichloropropylene	0.15 U	ug/L	1.0	0.15	1	02/08/2023 06:30	02/08/2023 15:41	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	52	103	70 - 128	M
Toluene-d8 (S)	ug/L	50	52	104	77 - 119	M

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DRAFT

Workorder: Clearwater PSTA (T2301957)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	M
2-Fluorobiphenyl (S)	ug/L	37	25	69	36 - 125	T
Nitrobenzene-d5 (S)	ug/L	37	24	65	34 - 139	T
p-Terphenyl-d14 (S)	ug/L	37	13	35	41 - 138	T

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DRAFT

Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957002
Sample ID: TMW-2

Date Collected: 01/27/2023 10:54
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3010A/SW-846 6010)								
Arsenic	8.0 U	ug/L	10	8.0	1	01/30/2023 12:00	01/31/2023 11:33	T
Barium	11	ug/L	10	3.0	1	01/30/2023 12:00	01/31/2023 11:33	T
Cadmium	1.0 U	ug/L	2.0	1.0	1	01/30/2023 12:00	01/31/2023 11:33	T
Chromium	6.2 I	ug/L	10	5.0	1	01/30/2023 12:00	01/31/2023 11:33	T
Lead	3.1 I	ug/L	10	3.0	1	01/30/2023 12:00	01/31/2023 11:33	T
Selenium	20 U	ug/L	100	20	1	01/30/2023 12:00	01/31/2023 11:33	T
Silver	8.0 U	ug/L	10	8.0	1	01/30/2023 12:00	01/31/2023 11:33	T
SEMIVOLATILES (SW-846 3510C/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.042 U	ug/L	0.20	0.042	1	02/03/2023 09:15	02/03/2023 18:54	T
2-Methylnaphthalene	0.032 U	ug/L	0.20	0.032	1	02/03/2023 09:15	02/03/2023 18:54	T
Acenaphthene	0.027 U	ug/L	0.20	0.027	1	02/03/2023 09:15	02/03/2023 18:54	T
Acenaphthylene	0.031 U	ug/L	0.20	0.031	1	02/03/2023 09:15	02/03/2023 18:54	T
Anthracene	0.052 U	ug/L	0.20	0.052	1	02/03/2023 09:15	02/03/2023 18:54	T
Benzo[a]anthracene	0.041 U	ug/L	0.20	0.041	1	02/03/2023 09:15	02/03/2023 18:54	T
Benzo[a]pyrene	0.036 U	ug/L	0.20	0.036	1	02/03/2023 09:15	02/03/2023 18:54	T
Benzo[b]fluoranthene	0.042 U	ug/L	0.098	0.042	1	02/03/2023 09:15	02/03/2023 18:54	T
Benzo[g,h,i]perylene	0.044 U	ug/L	0.20	0.044	1	02/03/2023 09:15	02/03/2023 18:54	T
Benzo[k]fluoranthene	0.027 U	ug/L	0.20	0.027	1	02/03/2023 09:15	02/03/2023 18:54	T
Chrysene	0.030 U	ug/L	0.20	0.030	1	02/03/2023 09:15	02/03/2023 18:54	T
Dibenzo[a,h]anthracene	0.052 U	ug/L	0.20	0.052	1	02/03/2023 09:15	02/03/2023 18:54	T
Fluoranthene	0.037 U	ug/L	0.20	0.037	1	02/03/2023 09:15	02/03/2023 18:54	T
Fluorene	0.038 U	ug/L	0.20	0.038	1	02/03/2023 09:15	02/03/2023 18:54	T
Indeno(1,2,3-cd)pyrene	0.042 U	ug/L	0.20	0.042	1	02/03/2023 09:15	02/03/2023 18:54	T
Naphthalene	0.054 U	ug/L	0.20	0.054	1	02/03/2023 09:15	02/03/2023 18:54	T
Phenanthrene	0.036 U	ug/L	0.20	0.036	1	02/03/2023 09:15	02/03/2023 18:54	T
Pyrene	0.036 U	ug/L	0.20	0.036	1	02/03/2023 09:15	02/03/2023 18:54	T

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Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957002
Sample ID: TMW-2

Date Collected: 01/27/2023 10:54
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260B)								
1,1,1,2-Tetrachloroethane	0.67 U	ug/L	1.0	0.67	1	02/08/2023 06:30	02/08/2023 16:04	M
1,1,1-Trichloroethane	0.55 U	ug/L	1.0	0.55	1	02/08/2023 06:30	02/08/2023 16:04	M
1,1,2,2-Tetrachloroethane	0.16 U	ug/L	1.0	0.16	1	02/08/2023 06:30	02/08/2023 16:04	M
1,1,2-Trichloroethane	0.61 U	ug/L	1.0	0.61	1	02/08/2023 06:30	02/08/2023 16:04	M
1,1-Dichloroethane	0.37 U	ug/L	1.0	0.37	1	02/08/2023 06:30	02/08/2023 16:04	M
1,1-Dichloroethylene	0.47 U	ug/L	1.0	0.47	1	02/08/2023 06:30	02/08/2023 16:04	M
1,1-Dichloropropene	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 16:04	M
1,2,3-Trichlorobenzene	0.80 U	ug/L	5.0	0.80	1	02/08/2023 06:30	02/08/2023 16:04	M
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1	02/08/2023 06:30	02/08/2023 16:04	M
1,2,4-Trichlorobenzene	0.57 U	ug/L	1.0	0.57	1	02/08/2023 06:30	02/08/2023 16:04	M
1,2,4-Trimethylbenzene	0.47 U	ug/L	5.0	0.47	1	02/08/2023 06:30	02/08/2023 16:04	M
1,2-Dibromo-3-Chloropropane	0.026 U	ug/L	0.10	0.026	1	02/08/2023 06:30	02/08/2023 16:04	M
1,2-Dichlorobenzene	0.87 U	ug/L	1.0	0.87	1	02/08/2023 06:30	02/08/2023 16:04	M
1,2-Dichloroethane	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 16:04	M
1,2-Dichloropropane	0.57 U	ug/L	1.0	0.57	1	02/08/2023 06:30	02/08/2023 16:04	M
1,3,5-Trimethylbenzene	0.42 U	ug/L	1.0	0.42	1	02/08/2023 06:30	02/08/2023 16:04	M
1,3-Dichlorobenzene	0.59 U	ug/L	1.0	0.59	1	02/08/2023 06:30	02/08/2023 16:04	M
1,3-Dichloropropane	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 16:04	M
1,4-Dichlorobenzene	0.48 U	ug/L	1.0	0.48	1	02/08/2023 06:30	02/08/2023 16:04	M
2,2-Dichloropropane	0.39 U	ug/L	1.0	0.39	1	02/08/2023 06:30	02/08/2023 16:04	M
2-Butanone (MEK)	1.6 U	ug/L	5.0	1.6	1	02/08/2023 06:30	02/08/2023 16:04	M
2-Chloroethyl Vinyl Ether	1.5 U	ug/L	5.0	1.5	1	02/08/2023 06:30	02/08/2023 16:04	M
2-Chlorotoluene	0.57 U	ug/L	1.0	0.57	1	02/08/2023 06:30	02/08/2023 16:04	M
2-Hexanone	0.78 U	ug/L	5.0	0.78	1	02/08/2023 06:30	02/08/2023 16:04	M
4-Chlorotoluene	0.35 U	ug/L	1.0	0.35	1	02/08/2023 06:30	02/08/2023 16:04	M
4-Methyl-2-pentanone (MIBK)	1.9 U	ug/L	5.0	1.9	1	02/08/2023 06:30	02/08/2023 16:04	M

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Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957002
Sample ID: TMW-2

Date Collected: 01/27/2023 10:54
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	2.0 U	ug/L	25	2.0	1	02/08/2023 06:30	02/08/2023 16:04	M
Acrolein (Propenal)	3.4 U	ug/L	25	3.4	1	02/08/2023 06:30	02/08/2023 16:04	M
Acrylonitrile	2.6 U	ug/L	5.0	2.6	1	02/08/2023 06:30	02/08/2023 16:04	M
Benzene	0.18 U	ug/L	1.0	0.18	1	02/08/2023 06:30	02/08/2023 16:04	M
Bromobenzene	0.54 U	ug/L	1.0	0.54	1	02/08/2023 06:30	02/08/2023 16:04	M
Bromochloromethane	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 16:04	M
Bromodichloromethane	0.42 U	ug/L	1.0	0.42	1	02/08/2023 06:30	02/08/2023 16:04	M
Bromoform	0.73 U	ug/L	5.0	0.73	1	02/08/2023 06:30	02/08/2023 16:04	M
Bromomethane	0.64 U	ug/L	1.0	0.64	1	02/08/2023 06:30	02/08/2023 16:04	M
Carbon Disulfide	1.1 U	ug/L	5.0	1.1	1	02/08/2023 06:30	02/08/2023 16:04	M
Carbon Tetrachloride	0.43 U	ug/L	1.0	0.43	1	02/08/2023 06:30	02/08/2023 16:04	M
Chlorobenzene	0.69 U	ug/L	1.0	0.69	1	02/08/2023 06:30	02/08/2023 16:04	M
Chloroethane	0.64 U	ug/L	1.0	0.64	1	02/08/2023 06:30	02/08/2023 16:04	M
Chloroform	0.51 U	ug/L	1.0	0.51	1	02/08/2023 06:30	02/08/2023 16:04	M
Chloromethane	0.42 U	ug/L	1.0	0.42	1	02/08/2023 06:30	02/08/2023 16:04	M
Dibromochloromethane	0.37 U	ug/L	1.0	0.37	1	02/08/2023 06:30	02/08/2023 16:04	M
Dibromomethane	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 16:04	M
Dichlorodifluoromethane	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 16:04	M
Ethylbenzene	0.38 U	ug/L	1.0	0.38	1	02/08/2023 06:30	02/08/2023 16:04	M
Ethylene Dibromide (EDB)	0.013 U	ug/L	0.10	0.013	1	02/08/2023 06:30	02/08/2023 16:04	M
Hexachlorobutadiene	0.31 U	ug/L	5.0	0.31	1	02/08/2023 06:30	02/08/2023 16:04	M
Iodomethane (Methyl Iodide)	1.2 U	ug/L	5.0	1.2	1	02/08/2023 06:30	02/08/2023 16:04	M
Isopropylbenzene	0.37 U	ug/L	1.0	0.37	1	02/08/2023 06:30	02/08/2023 16:04	M
Methyl tert-butyl Ether (MTBE)	0.24 U	ug/L	1.0	0.24	1	02/08/2023 06:30	02/08/2023 16:04	M
Methylene Chloride	1.0 U	ug/L	5.0	1.0	1	02/08/2023 06:30	02/08/2023 16:04	M
Naphthalene	0.40 U	ug/L	5.0	0.40	1	02/08/2023 06:30	02/08/2023 16:04	M
Styrene	0.45 U	ug/L	1.0	0.45	1	02/08/2023 06:30	02/08/2023 16:04	M

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DRAFT

Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957002
Sample ID: TMW-2

Date Collected: 01/27/2023 10:54
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.48 U	ug/L	1.0	0.48	1	02/08/2023 06:30	02/08/2023 16:04	M
Toluene	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 16:04	M
Trichloroethene	0.46 U	ug/L	1.0	0.46	1	02/08/2023 06:30	02/08/2023 16:04	M
Trichlorofluoromethane	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 16:04	M
Vinyl Acetate	0.85 U	ug/L	5.0	0.85	1	02/08/2023 06:30	02/08/2023 16:04	M
Vinyl Chloride	0.12 U	ug/L	1.0	0.12	1	02/08/2023 06:30	02/08/2023 16:04	M
Xylene (Total)	1.1 U	ug/L	2.0	1.1	1	02/08/2023 06:30	02/08/2023 16:04	M
cis-1,2-Dichloroethylene	0.48 U	ug/L	1.0	0.48	1	02/08/2023 06:30	02/08/2023 16:04	M
cis-1,3-Dichloropropene	0.19 U	ug/L	1.0	0.19	1	02/08/2023 06:30	02/08/2023 16:04	M
n-Butylbenzene	0.55 U	ug/L	1.0	0.55	1	02/08/2023 06:30	02/08/2023 16:04	M
n-propylbenzene	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 16:04	M
sec-butylbenzene	0.55 U	ug/L	1.0	0.55	1	02/08/2023 06:30	02/08/2023 16:04	M
tert-butylbenzene	0.39 U	ug/L	1.0	0.39	1	02/08/2023 06:30	02/08/2023 16:04	M
trans-1,2-Dichloroethylene	0.59 U	ug/L	1.0	0.59	1	02/08/2023 06:30	02/08/2023 16:04	M
trans-1,3-Dichloropropylene	0.15 U	ug/L	1.0	0.15	1	02/08/2023 06:30	02/08/2023 16:04	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	53	106	70 - 128	M
Toluene-d8 (S)	ug/L	50	52	104	77 - 119	M

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DRAFT

Workorder: Clearwater PSTA (T2301957)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	51	102	86 - 123	M
2-Fluorobiphenyl (S)	ug/L	39	32	81	36 - 125	T
Nitrobenzene-d5 (S)	ug/L	39	30	77	34 - 139	T
p-Terphenyl-d14 (S)	ug/L	39	28	73	41 - 138	T

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DRAFT

Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957003
Sample ID: TMW-3

Date Collected: 01/27/2023 11:34
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3010A/SW-846 6010)								
Arsenic	8.0 U	ug/L	10	8.0	1	01/30/2023 12:00	01/31/2023 11:35	T
Barium	16	ug/L	10	3.0	1	01/30/2023 12:00	01/31/2023 11:35	T
Cadmium	1.0 U	ug/L	2.0	1.0	1	01/30/2023 12:00	01/31/2023 11:35	T
Chromium	5.0 U	ug/L	10	5.0	1	01/30/2023 12:00	01/31/2023 11:35	T
Lead	3.6 I	ug/L	10	3.0	1	01/30/2023 12:00	01/31/2023 11:35	T
Selenium	20 U	ug/L	100	20	1	01/30/2023 12:00	01/31/2023 11:35	T
Silver	8.0 U	ug/L	10	8.0	1	01/30/2023 12:00	01/31/2023 11:35	T
SEMIVOLATILES (SW-846 3510C/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.043 U	ug/L	0.20	0.043	1	02/03/2023 09:15	02/03/2023 19:23	T
2-Methylnaphthalene	0.032 U	ug/L	0.20	0.032	1	02/03/2023 09:15	02/03/2023 19:23	T
Acenaphthene	0.028 U	ug/L	0.20	0.028	1	02/03/2023 09:15	02/03/2023 19:23	T
Acenaphthylene	0.032 U	ug/L	0.20	0.032	1	02/03/2023 09:15	02/03/2023 19:23	T
Anthracene	0.053 U	ug/L	0.20	0.053	1	02/03/2023 09:15	02/03/2023 19:23	T
Benzo[a]anthracene	0.042 U	ug/L	0.20	0.042	1	02/03/2023 09:15	02/03/2023 19:23	T
Benzo[a]pyrene	0.036 U	ug/L	0.20	0.036	1	02/03/2023 09:15	02/03/2023 19:23	T
Benzo[b]fluoranthene	0.043 U	ug/L	0.10	0.043	1	02/03/2023 09:15	02/03/2023 19:23	T
Benzo[g,h,i]perylene	0.045 U	ug/L	0.20	0.045	1	02/03/2023 09:15	02/03/2023 19:23	T
Benzo[k]fluoranthene	0.027 U	ug/L	0.20	0.027	1	02/03/2023 09:15	02/03/2023 19:23	T
Chrysene	0.031 U	ug/L	0.20	0.031	1	02/03/2023 09:15	02/03/2023 19:23	T
Dibenzo[a,h]anthracene	0.053 U	ug/L	0.20	0.053	1	02/03/2023 09:15	02/03/2023 19:23	T
Fluoranthene	0.038 U	ug/L	0.20	0.038	1	02/03/2023 09:15	02/03/2023 19:23	T
Fluorene	0.038 U	ug/L	0.20	0.038	1	02/03/2023 09:15	02/03/2023 19:23	T
Indeno(1,2,3-cd)pyrene	0.042 U	ug/L	0.20	0.042	1	02/03/2023 09:15	02/03/2023 19:23	T
Naphthalene	0.055 U	ug/L	0.20	0.055	1	02/03/2023 09:15	02/03/2023 19:23	T
Phenanthrene	0.036 U	ug/L	0.20	0.036	1	02/03/2023 09:15	02/03/2023 19:23	T
Pyrene	0.037 U	ug/L	0.20	0.037	1	02/03/2023 09:15	02/03/2023 19:23	T

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Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957003
Sample ID: TMW-3

Date Collected: 01/27/2023 11:34
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260B)								
1,1,1,2-Tetrachloroethane	0.67 U	ug/L	1.0	0.67	1	02/08/2023 06:30	02/08/2023 16:28	M
1,1,1-Trichloroethane	0.55 U	ug/L	1.0	0.55	1	02/08/2023 06:30	02/08/2023 16:28	M
1,1,2,2-Tetrachloroethane	0.16 U	ug/L	1.0	0.16	1	02/08/2023 06:30	02/08/2023 16:28	M
1,1,2-Trichloroethane	0.61 U	ug/L	1.0	0.61	1	02/08/2023 06:30	02/08/2023 16:28	M
1,1-Dichloroethane	0.37 U	ug/L	1.0	0.37	1	02/08/2023 06:30	02/08/2023 16:28	M
1,1-Dichloroethylene	0.47 U	ug/L	1.0	0.47	1	02/08/2023 06:30	02/08/2023 16:28	M
1,1-Dichloropropene	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 16:28	M
1,2,3-Trichlorobenzene	0.80 U	ug/L	5.0	0.80	1	02/08/2023 06:30	02/08/2023 16:28	M
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1	02/08/2023 06:30	02/08/2023 16:28	M
1,2,4-Trichlorobenzene	0.57 U	ug/L	1.0	0.57	1	02/08/2023 06:30	02/08/2023 16:28	M
1,2,4-Trimethylbenzene	0.47 U	ug/L	5.0	0.47	1	02/08/2023 06:30	02/08/2023 16:28	M
1,2-Dibromo-3-Chloropropane	0.026 U	ug/L	0.10	0.026	1	02/08/2023 06:30	02/08/2023 16:28	M
1,2-Dichlorobenzene	0.87 U	ug/L	1.0	0.87	1	02/08/2023 06:30	02/08/2023 16:28	M
1,2-Dichloroethane	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 16:28	M
1,2-Dichloropropane	0.57 U	ug/L	1.0	0.57	1	02/08/2023 06:30	02/08/2023 16:28	M
1,3,5-Trimethylbenzene	0.42 U	ug/L	1.0	0.42	1	02/08/2023 06:30	02/08/2023 16:28	M
1,3-Dichlorobenzene	0.59 U	ug/L	1.0	0.59	1	02/08/2023 06:30	02/08/2023 16:28	M
1,3-Dichloropropane	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 16:28	M
1,4-Dichlorobenzene	0.48 U	ug/L	1.0	0.48	1	02/08/2023 06:30	02/08/2023 16:28	M
2,2-Dichloropropane	0.39 U	ug/L	1.0	0.39	1	02/08/2023 06:30	02/08/2023 16:28	M
2-Butanone (MEK)	1.6 U	ug/L	5.0	1.6	1	02/08/2023 06:30	02/08/2023 16:28	M
2-Chloroethyl Vinyl Ether	1.5 U	ug/L	5.0	1.5	1	02/08/2023 06:30	02/08/2023 16:28	M
2-Chlorotoluene	0.57 U	ug/L	1.0	0.57	1	02/08/2023 06:30	02/08/2023 16:28	M
2-Hexanone	0.78 U	ug/L	5.0	0.78	1	02/08/2023 06:30	02/08/2023 16:28	M
4-Chlorotoluene	0.35 U	ug/L	1.0	0.35	1	02/08/2023 06:30	02/08/2023 16:28	M
4-Methyl-2-pentanone (MIBK)	1.9 U	ug/L	5.0	1.9	1	02/08/2023 06:30	02/08/2023 16:28	M

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Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957003
Sample ID: TMW-3

Date Collected: 01/27/2023 11:34
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	2.0 U	ug/L	25	2.0	1	02/08/2023 06:30	02/08/2023 16:28	M
Acrolein (Propenal)	3.4 U	ug/L	25	3.4	1	02/08/2023 06:30	02/08/2023 16:28	M
Acrylonitrile	2.6 U	ug/L	5.0	2.6	1	02/08/2023 06:30	02/08/2023 16:28	M
Benzene	0.18 U	ug/L	1.0	0.18	1	02/08/2023 06:30	02/08/2023 16:28	M
Bromobenzene	0.54 U	ug/L	1.0	0.54	1	02/08/2023 06:30	02/08/2023 16:28	M
Bromochloromethane	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 16:28	M
Bromodichloromethane	0.42 U	ug/L	1.0	0.42	1	02/08/2023 06:30	02/08/2023 16:28	M
Bromoform	0.73 U	ug/L	5.0	0.73	1	02/08/2023 06:30	02/08/2023 16:28	M
Bromomethane	0.64 U	ug/L	1.0	0.64	1	02/08/2023 06:30	02/08/2023 16:28	M
Carbon Disulfide	1.1 U	ug/L	5.0	1.1	1	02/08/2023 06:30	02/08/2023 16:28	M
Carbon Tetrachloride	0.43 U	ug/L	1.0	0.43	1	02/08/2023 06:30	02/08/2023 16:28	M
Chlorobenzene	0.69 U	ug/L	1.0	0.69	1	02/08/2023 06:30	02/08/2023 16:28	M
Chloroethane	0.64 U	ug/L	1.0	0.64	1	02/08/2023 06:30	02/08/2023 16:28	M
Chloroform	0.51 U	ug/L	1.0	0.51	1	02/08/2023 06:30	02/08/2023 16:28	M
Chloromethane	0.42 U	ug/L	1.0	0.42	1	02/08/2023 06:30	02/08/2023 16:28	M
Dibromochloromethane	0.37 U	ug/L	1.0	0.37	1	02/08/2023 06:30	02/08/2023 16:28	M
Dibromomethane	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 16:28	M
Dichlorodifluoromethane	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 16:28	M
Ethylbenzene	0.38 U	ug/L	1.0	0.38	1	02/08/2023 06:30	02/08/2023 16:28	M
Ethylene Dibromide (EDB)	0.013 U	ug/L	0.10	0.013	1	02/08/2023 06:30	02/08/2023 16:28	M
Hexachlorobutadiene	0.31 U	ug/L	5.0	0.31	1	02/08/2023 06:30	02/08/2023 16:28	M
Iodomethane (Methyl Iodide)	1.2 U	ug/L	5.0	1.2	1	02/08/2023 06:30	02/08/2023 16:28	M
Isopropylbenzene	0.37 U	ug/L	1.0	0.37	1	02/08/2023 06:30	02/08/2023 16:28	M
Methyl tert-butyl Ether (MTBE)	0.24 U	ug/L	1.0	0.24	1	02/08/2023 06:30	02/08/2023 16:28	M
Methylene Chloride	1.0 U	ug/L	5.0	1.0	1	02/08/2023 06:30	02/08/2023 16:28	M
Naphthalene	0.40 U	ug/L	5.0	0.40	1	02/08/2023 06:30	02/08/2023 16:28	M
Styrene	0.45 U	ug/L	1.0	0.45	1	02/08/2023 06:30	02/08/2023 16:28	M

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DRAFT

Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957003
Sample ID: TMW-3

Date Collected: 01/27/2023 11:34
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.48 U	ug/L	1.0	0.48	1	02/08/2023 06:30	02/08/2023 16:28	M
Toluene	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 16:28	M
Trichloroethene	0.46 U	ug/L	1.0	0.46	1	02/08/2023 06:30	02/08/2023 16:28	M
Trichlorofluoromethane	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 16:28	M
Vinyl Acetate	0.85 U	ug/L	5.0	0.85	1	02/08/2023 06:30	02/08/2023 16:28	M
Vinyl Chloride	0.12 U	ug/L	1.0	0.12	1	02/08/2023 06:30	02/08/2023 16:28	M
Xylene (Total)	1.1 U	ug/L	2.0	1.1	1	02/08/2023 06:30	02/08/2023 16:28	M
cis-1,2-Dichloroethylene	0.48 U	ug/L	1.0	0.48	1	02/08/2023 06:30	02/08/2023 16:28	M
cis-1,3-Dichloropropene	0.19 U	ug/L	1.0	0.19	1	02/08/2023 06:30	02/08/2023 16:28	M
n-Butylbenzene	0.55 U	ug/L	1.0	0.55	1	02/08/2023 06:30	02/08/2023 16:28	M
n-propylbenzene	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 16:28	M
sec-butylbenzene	0.55 U	ug/L	1.0	0.55	1	02/08/2023 06:30	02/08/2023 16:28	M
tert-butylbenzene	0.39 U	ug/L	1.0	0.39	1	02/08/2023 06:30	02/08/2023 16:28	M
trans-1,2-Dichloroethylene	0.59 U	ug/L	1.0	0.59	1	02/08/2023 06:30	02/08/2023 16:28	M
trans-1,3-Dichloropropylene	0.15 U	ug/L	1.0	0.15	1	02/08/2023 06:30	02/08/2023 16:28	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	51	103	70 - 128	M
Toluene-d8 (S)	ug/L	50	52	104	77 - 119	M

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DRAFT

Workorder: Clearwater PSTA (T2301957)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	52	105	86 - 123	M
2-Fluorobiphenyl (S)	ug/L	40	25	62	36 - 125	T
Nitrobenzene-d5 (S)	ug/L	40	25	62	34 - 139	T
p-Terphenyl-d14 (S)	ug/L	40	31	77	41 - 138	T

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Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957004
Sample ID: TMW-4

Date Collected: 01/27/2023 12:19
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3010A/SW-846 6010)								
Arsenic	8.0 U	ug/L	10	8.0	1	01/30/2023 12:00	01/31/2023 11:42	T
Barium	16	ug/L	10	3.0	1	01/30/2023 12:00	01/31/2023 11:42	T
Cadmium	1.0 U	ug/L	2.0	1.0	1	01/30/2023 12:00	01/31/2023 11:42	T
Chromium	5.0 U	ug/L	10	5.0	1	01/30/2023 12:00	01/31/2023 11:42	T
Lead	3.0 U	ug/L	10	3.0	1	01/30/2023 12:00	01/31/2023 11:42	T
Selenium	20 U	ug/L	100	20	1	01/30/2023 12:00	01/31/2023 11:42	T
Silver	8.0 U	ug/L	10	8.0	1	01/30/2023 12:00	01/31/2023 11:42	T
SEMIVOLATILES (SW-846 3510C/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.040 U	ug/L	0.19	0.040	1	02/03/2023 09:15	02/03/2023 20:49	T
2-Methylnaphthalene	0.031 U	ug/L	0.19	0.031	1	02/03/2023 09:15	02/03/2023 20:49	T
Acenaphthene	0.026 U	ug/L	0.19	0.026	1	02/03/2023 09:15	02/03/2023 20:49	T
Acenaphthylene	0.030 U	ug/L	0.19	0.030	1	02/03/2023 09:15	02/03/2023 20:49	T
Anthracene	0.050 U	ug/L	0.19	0.050	1	02/03/2023 09:15	02/03/2023 20:49	T
Benzo[a]anthracene	0.040 U	ug/L	0.19	0.040	1	02/03/2023 09:15	02/03/2023 20:49	T
Benzo[a]pyrene	0.034 U	ug/L	0.19	0.034	1	02/03/2023 09:15	02/03/2023 20:49	T
Benzo[b]fluoranthene	0.041 U	ug/L	0.094	0.041	1	02/03/2023 09:15	02/03/2023 20:49	T
Benzo[g,h,i]perylene	0.042 U	ug/L	0.19	0.042	1	02/03/2023 09:15	02/03/2023 20:49	T
Benzo[k]fluoranthene	0.026 U	ug/L	0.19	0.026	1	02/03/2023 09:15	02/03/2023 20:49	T
Chrysene	0.029 U	ug/L	0.19	0.029	1	02/03/2023 09:15	02/03/2023 20:49	T
Dibenzo[a,h]anthracene	0.050 U	ug/L	0.19	0.050	1	02/03/2023 09:15	02/03/2023 20:49	T
Fluoranthene	0.035 U	ug/L	0.19	0.035	1	02/03/2023 09:15	02/03/2023 20:49	T
Fluorene	0.036 U	ug/L	0.19	0.036	1	02/03/2023 09:15	02/03/2023 20:49	T
Indeno(1,2,3-cd)pyrene	0.040 U	ug/L	0.19	0.040	1	02/03/2023 09:15	02/03/2023 20:49	T
Naphthalene	0.052 U	ug/L	0.19	0.052	1	02/03/2023 09:15	02/03/2023 20:49	T
Phenanthrene	0.034 U	ug/L	0.19	0.034	1	02/03/2023 09:15	02/03/2023 20:49	T
Pyrene	0.035 U	ug/L	0.19	0.035	1	02/03/2023 09:15	02/03/2023 20:49	T

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Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957004
Sample ID: TMW-4

Date Collected: 01/27/2023 12:19
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260B)								
1,1,1,2-Tetrachloroethane	0.67 U	ug/L	1.0	0.67	1	02/08/2023 06:30	02/08/2023 16:51	M
1,1,1-Trichloroethane	0.55 U	ug/L	1.0	0.55	1	02/08/2023 06:30	02/08/2023 16:51	M
1,1,2,2-Tetrachloroethane	0.16 U	ug/L	1.0	0.16	1	02/08/2023 06:30	02/08/2023 16:51	M
1,1,2-Trichloroethane	0.61 U	ug/L	1.0	0.61	1	02/08/2023 06:30	02/08/2023 16:51	M
1,1-Dichloroethane	0.37 U	ug/L	1.0	0.37	1	02/08/2023 06:30	02/08/2023 16:51	M
1,1-Dichloroethylene	0.47 U	ug/L	1.0	0.47	1	02/08/2023 06:30	02/08/2023 16:51	M
1,1-Dichloropropene	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 16:51	M
1,2,3-Trichlorobenzene	0.80 U	ug/L	5.0	0.80	1	02/08/2023 06:30	02/08/2023 16:51	M
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1	02/08/2023 06:30	02/08/2023 16:51	M
1,2,4-Trichlorobenzene	0.57 U	ug/L	1.0	0.57	1	02/08/2023 06:30	02/08/2023 16:51	M
1,2,4-Trimethylbenzene	0.47 U	ug/L	5.0	0.47	1	02/08/2023 06:30	02/08/2023 16:51	M
1,2-Dibromo-3-Chloropropane	0.026 U	ug/L	0.10	0.026	1	02/08/2023 06:30	02/08/2023 16:51	M
1,2-Dichlorobenzene	0.87 U	ug/L	1.0	0.87	1	02/08/2023 06:30	02/08/2023 16:51	M
1,2-Dichloroethane	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 16:51	M
1,2-Dichloropropane	0.57 U	ug/L	1.0	0.57	1	02/08/2023 06:30	02/08/2023 16:51	M
1,3,5-Trimethylbenzene	0.42 U	ug/L	1.0	0.42	1	02/08/2023 06:30	02/08/2023 16:51	M
1,3-Dichlorobenzene	0.59 U	ug/L	1.0	0.59	1	02/08/2023 06:30	02/08/2023 16:51	M
1,3-Dichloropropane	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 16:51	M
1,4-Dichlorobenzene	0.48 U	ug/L	1.0	0.48	1	02/08/2023 06:30	02/08/2023 16:51	M
2,2-Dichloropropane	0.39 U	ug/L	1.0	0.39	1	02/08/2023 06:30	02/08/2023 16:51	M
2-Butanone (MEK)	1.6 U	ug/L	5.0	1.6	1	02/08/2023 06:30	02/08/2023 16:51	M
2-Chloroethyl Vinyl Ether	1.5 U	ug/L	5.0	1.5	1	02/08/2023 06:30	02/08/2023 16:51	M
2-Chlorotoluene	0.57 U	ug/L	1.0	0.57	1	02/08/2023 06:30	02/08/2023 16:51	M
2-Hexanone	0.78 U	ug/L	5.0	0.78	1	02/08/2023 06:30	02/08/2023 16:51	M
4-Chlorotoluene	0.35 U	ug/L	1.0	0.35	1	02/08/2023 06:30	02/08/2023 16:51	M
4-Methyl-2-pentanone (MIBK)	1.9 U	ug/L	5.0	1.9	1	02/08/2023 06:30	02/08/2023 16:51	M

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Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957004
Sample ID: TMW-4

Date Collected: 01/27/2023 12:19
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	2.0 U	ug/L	25	2.0	1	02/08/2023 06:30	02/08/2023 16:51	M
Acrolein (Propenal)	3.4 U	ug/L	25	3.4	1	02/08/2023 06:30	02/08/2023 16:51	M
Acrylonitrile	2.6 U	ug/L	5.0	2.6	1	02/08/2023 06:30	02/08/2023 16:51	M
Benzene	0.18 U	ug/L	1.0	0.18	1	02/08/2023 06:30	02/08/2023 16:51	M
Bromobenzene	0.54 U	ug/L	1.0	0.54	1	02/08/2023 06:30	02/08/2023 16:51	M
Bromochloromethane	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 16:51	M
Bromodichloromethane	0.42 U	ug/L	1.0	0.42	1	02/08/2023 06:30	02/08/2023 16:51	M
Bromoform	0.73 U	ug/L	5.0	0.73	1	02/08/2023 06:30	02/08/2023 16:51	M
Bromomethane	0.64 U	ug/L	1.0	0.64	1	02/08/2023 06:30	02/08/2023 16:51	M
Carbon Disulfide	1.1 U	ug/L	5.0	1.1	1	02/08/2023 06:30	02/08/2023 16:51	M
Carbon Tetrachloride	0.43 U	ug/L	1.0	0.43	1	02/08/2023 06:30	02/08/2023 16:51	M
Chlorobenzene	0.69 U	ug/L	1.0	0.69	1	02/08/2023 06:30	02/08/2023 16:51	M
Chloroethane	0.64 U	ug/L	1.0	0.64	1	02/08/2023 06:30	02/08/2023 16:51	M
Chloroform	0.51 U	ug/L	1.0	0.51	1	02/08/2023 06:30	02/08/2023 16:51	M
Chloromethane	0.42 U	ug/L	1.0	0.42	1	02/08/2023 06:30	02/08/2023 16:51	M
Dibromochloromethane	0.37 U	ug/L	1.0	0.37	1	02/08/2023 06:30	02/08/2023 16:51	M
Dibromomethane	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 16:51	M
Dichlorodifluoromethane	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 16:51	M
Ethylbenzene	0.38 U	ug/L	1.0	0.38	1	02/08/2023 06:30	02/08/2023 16:51	M
Ethylene Dibromide (EDB)	0.013 U	ug/L	0.10	0.013	1	02/08/2023 06:30	02/08/2023 16:51	M
Hexachlorobutadiene	0.31 U	ug/L	5.0	0.31	1	02/08/2023 06:30	02/08/2023 16:51	M
Iodomethane (Methyl Iodide)	1.2 U	ug/L	5.0	1.2	1	02/08/2023 06:30	02/08/2023 16:51	M
Isopropylbenzene	0.37 U	ug/L	1.0	0.37	1	02/08/2023 06:30	02/08/2023 16:51	M
Methyl tert-butyl Ether (MTBE)	0.24 U	ug/L	1.0	0.24	1	02/08/2023 06:30	02/08/2023 16:51	M
Methylene Chloride	1.0 U	ug/L	5.0	1.0	1	02/08/2023 06:30	02/08/2023 16:51	M
Naphthalene	0.40 U	ug/L	5.0	0.40	1	02/08/2023 06:30	02/08/2023 16:51	M
Styrene	0.45 U	ug/L	1.0	0.45	1	02/08/2023 06:30	02/08/2023 16:51	M

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DRAFT

Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957004
Sample ID: TMW-4

Date Collected: 01/27/2023 12:19
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.48 U	ug/L	1.0	0.48	1	02/08/2023 06:30	02/08/2023 16:51	M
Toluene	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 16:51	M
Trichloroethene	0.46 U	ug/L	1.0	0.46	1	02/08/2023 06:30	02/08/2023 16:51	M
Trichlorofluoromethane	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 16:51	M
Vinyl Acetate	0.85 U	ug/L	5.0	0.85	1	02/08/2023 06:30	02/08/2023 16:51	M
Vinyl Chloride	0.12 U	ug/L	1.0	0.12	1	02/08/2023 06:30	02/08/2023 16:51	M
Xylene (Total)	1.1 U	ug/L	2.0	1.1	1	02/08/2023 06:30	02/08/2023 16:51	M
cis-1,2-Dichloroethylene	0.48 U	ug/L	1.0	0.48	1	02/08/2023 06:30	02/08/2023 16:51	M
cis-1,3-Dichloropropene	0.19 U	ug/L	1.0	0.19	1	02/08/2023 06:30	02/08/2023 16:51	M
n-Butylbenzene	0.55 U	ug/L	1.0	0.55	1	02/08/2023 06:30	02/08/2023 16:51	M
n-propylbenzene	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 16:51	M
sec-butylbenzene	0.55 U	ug/L	1.0	0.55	1	02/08/2023 06:30	02/08/2023 16:51	M
tert-butylbenzene	0.39 U	ug/L	1.0	0.39	1	02/08/2023 06:30	02/08/2023 16:51	M
trans-1,2-Dichloroethylene	0.59 U	ug/L	1.0	0.59	1	02/08/2023 06:30	02/08/2023 16:51	M
trans-1,3-Dichloropropylene	0.15 U	ug/L	1.0	0.15	1	02/08/2023 06:30	02/08/2023 16:51	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	96	70 - 128	M
Toluene-d8 (S)	ug/L	50	51	102	77 - 119	M





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DRAFT

Workorder: Clearwater PSTA (T2301957)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	M
2-Fluorobiphenyl (S)	ug/L	38	25	65	36 - 125	T
Nitrobenzene-d5 (S)	ug/L	38	25	65	34 - 139	T
p-Terphenyl-d14 (S)	ug/L	38	26	69	41 - 138	T

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Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957005
Sample ID: TMW-5

Date Collected: 01/27/2023 12:53
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3010A/SW-846 6010)								
Arsenic	8.0 U	ug/L	10	8.0	1	01/30/2023 12:00	01/31/2023 11:44	T
Barium	21	ug/L	10	3.0	1	01/30/2023 12:00	01/31/2023 11:44	T
Cadmium	1.0 U	ug/L	2.0	1.0	1	01/30/2023 12:00	01/31/2023 11:44	T
Chromium	5.0 U	ug/L	10	5.0	1	01/30/2023 12:00	01/31/2023 11:44	T
Lead	4.0 I	ug/L	10	3.0	1	01/30/2023 12:00	01/31/2023 11:44	T
Selenium	20 U	ug/L	100	20	1	01/30/2023 12:00	01/31/2023 11:44	T
Silver	8.0 U	ug/L	10	8.0	1	01/30/2023 12:00	01/31/2023 11:44	T
SEMIVOLATILES (SW-846 3510C/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.040 U	ug/L	0.19	0.040	1	02/03/2023 09:15	02/03/2023 21:17	T
2-Methylnaphthalene	0.031 U	ug/L	0.19	0.031	1	02/03/2023 09:15	02/03/2023 21:17	T
Acenaphthene	0.026 U	ug/L	0.19	0.026	1	02/03/2023 09:15	02/03/2023 21:17	T
Acenaphthylene	0.030 U	ug/L	0.19	0.030	1	02/03/2023 09:15	02/03/2023 21:17	T
Anthracene	0.050 U	ug/L	0.19	0.050	1	02/03/2023 09:15	02/03/2023 21:17	T
Benzo[a]anthracene	0.040 U	ug/L	0.19	0.040	1	02/03/2023 09:15	02/03/2023 21:17	T
Benzo[a]pyrene	0.034 U	ug/L	0.19	0.034	1	02/03/2023 09:15	02/03/2023 21:17	T
Benzo[b]fluoranthene	0.041 U	ug/L	0.094	0.041	1	02/03/2023 09:15	02/03/2023 21:17	T
Benzo[g,h,i]perylene	0.042 U	ug/L	0.19	0.042	1	02/03/2023 09:15	02/03/2023 21:17	T
Benzo[k]fluoranthene	0.026 U	ug/L	0.19	0.026	1	02/03/2023 09:15	02/03/2023 21:17	T
Chrysene	0.029 U	ug/L	0.19	0.029	1	02/03/2023 09:15	02/03/2023 21:17	T
Dibenzo[a,h]anthracene	0.050 U	ug/L	0.19	0.050	1	02/03/2023 09:15	02/03/2023 21:17	T
Fluoranthene	0.035 U	ug/L	0.19	0.035	1	02/03/2023 09:15	02/03/2023 21:17	T
Fluorene	0.036 U	ug/L	0.19	0.036	1	02/03/2023 09:15	02/03/2023 21:17	T
Indeno(1,2,3-cd)pyrene	0.040 U	ug/L	0.19	0.040	1	02/03/2023 09:15	02/03/2023 21:17	T
Naphthalene	0.052 U	ug/L	0.19	0.052	1	02/03/2023 09:15	02/03/2023 21:17	T
Phenanthrene	0.034 U	ug/L	0.19	0.034	1	02/03/2023 09:15	02/03/2023 21:17	T
Pyrene	0.035 U	ug/L	0.19	0.035	1	02/03/2023 09:15	02/03/2023 21:17	T

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Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957005
Sample ID: TMW-5

Date Collected: 01/27/2023 12:53
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
VOLATILES (SW-846 5030B/SW-846 8260B)								
1,1,1,2-Tetrachloroethane	0.67 U	ug/L	1.0	0.67	1	02/08/2023 06:30	02/08/2023 14:07	M
1,1,1-Trichloroethane	0.55 U	ug/L	1.0	0.55	1	02/08/2023 06:30	02/08/2023 14:07	M
1,1,2,2-Tetrachloroethane	0.16 U	ug/L	1.0	0.16	1	02/08/2023 06:30	02/08/2023 14:07	M
1,1,2-Trichloroethane	0.61 U	ug/L	1.0	0.61	1	02/08/2023 06:30	02/08/2023 14:07	M
1,1-Dichloroethane	0.37 U	ug/L	1.0	0.37	1	02/08/2023 06:30	02/08/2023 14:07	M
1,1-Dichloroethylene	0.47 U	ug/L	1.0	0.47	1	02/08/2023 06:30	02/08/2023 14:07	M
1,1-Dichloropropene	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 14:07	M
1,2,3-Trichlorobenzene	0.80 U	ug/L	5.0	0.80	1	02/08/2023 06:30	02/08/2023 14:07	M
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	1	02/08/2023 06:30	02/08/2023 14:07	M
1,2,4-Trichlorobenzene	0.57 U	ug/L	1.0	0.57	1	02/08/2023 06:30	02/08/2023 14:07	M
1,2,4-Trimethylbenzene	0.47 U	ug/L	5.0	0.47	1	02/08/2023 06:30	02/08/2023 14:07	M
1,2-Dibromo-3-Chloropropane	0.026 U	ug/L	0.10	0.026	1	02/08/2023 06:30	02/08/2023 14:07	M
1,2-Dichlorobenzene	0.87 U	ug/L	1.0	0.87	1	02/08/2023 06:30	02/08/2023 14:07	M
1,2-Dichloroethane	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 14:07	M
1,2-Dichloropropane	0.57 U	ug/L	1.0	0.57	1	02/08/2023 06:30	02/08/2023 14:07	M
1,3,5-Trimethylbenzene	0.42 U	ug/L	1.0	0.42	1	02/08/2023 06:30	02/08/2023 14:07	M
1,3-Dichlorobenzene	0.59 U	ug/L	1.0	0.59	1	02/08/2023 06:30	02/08/2023 14:07	M
1,3-Dichloropropane	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 14:07	M
1,4-Dichlorobenzene	0.48 U	ug/L	1.0	0.48	1	02/08/2023 06:30	02/08/2023 14:07	M
2,2-Dichloropropane	0.39 U	ug/L	1.0	0.39	1	02/08/2023 06:30	02/08/2023 14:07	M
2-Butanone (MEK)	1.6 U	ug/L	5.0	1.6	1	02/08/2023 06:30	02/08/2023 14:07	M
2-Chloroethyl Vinyl Ether	1.5 U	ug/L	5.0	1.5	1	02/08/2023 06:30	02/08/2023 14:07	M
2-Chlorotoluene	0.57 U	ug/L	1.0	0.57	1	02/08/2023 06:30	02/08/2023 14:07	M
2-Hexanone	0.78 U	ug/L	5.0	0.78	1	02/08/2023 06:30	02/08/2023 14:07	M
4-Chlorotoluene	0.35 U	ug/L	1.0	0.35	1	02/08/2023 06:30	02/08/2023 14:07	M
4-Methyl-2-pentanone (MIBK)	1.9 U	ug/L	5.0	1.9	1	02/08/2023 06:30	02/08/2023 14:07	M

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Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957005
Sample ID: TMW-5

Date Collected: 01/27/2023 12:53
Date Received: 01/27/2023 15:35

Matrix: Water

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Acetone	2.0 U	ug/L	25	2.0	1	02/08/2023 06:30	02/08/2023 14:07	M
Acrolein (Propenal)	3.4 U	ug/L	25	3.4	1	02/08/2023 06:30	02/08/2023 14:07	M
Acrylonitrile	2.6 U	ug/L	5.0	2.6	1	02/08/2023 06:30	02/08/2023 14:07	M
Benzene	0.18 U	ug/L	1.0	0.18	1	02/08/2023 06:30	02/08/2023 14:07	M
Bromobenzene	0.54 U	ug/L	1.0	0.54	1	02/08/2023 06:30	02/08/2023 14:07	M
Bromochloromethane	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 14:07	M
Bromodichloromethane	0.42 U	ug/L	1.0	0.42	1	02/08/2023 06:30	02/08/2023 14:07	M
Bromoform	0.73 U	ug/L	5.0	0.73	1	02/08/2023 06:30	02/08/2023 14:07	M
Bromomethane	0.64 U	ug/L	1.0	0.64	1	02/08/2023 06:30	02/08/2023 14:07	M
Carbon Disulfide	1.1 U	ug/L	5.0	1.1	1	02/08/2023 06:30	02/08/2023 14:07	M
Carbon Tetrachloride	0.43 U	ug/L	1.0	0.43	1	02/08/2023 06:30	02/08/2023 14:07	M
Chlorobenzene	0.69 U	ug/L	1.0	0.69	1	02/08/2023 06:30	02/08/2023 14:07	M
Chloroethane	0.64 U	ug/L	1.0	0.64	1	02/08/2023 06:30	02/08/2023 14:07	M
Chloroform	0.51 U	ug/L	1.0	0.51	1	02/08/2023 06:30	02/08/2023 14:07	M
Chloromethane	0.42 U	ug/L	1.0	0.42	1	02/08/2023 06:30	02/08/2023 14:07	M
Dibromochloromethane	0.37 U	ug/L	1.0	0.37	1	02/08/2023 06:30	02/08/2023 14:07	M
Dibromomethane	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 14:07	M
Dichlorodifluoromethane	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 14:07	M
Ethylbenzene	0.38 U	ug/L	1.0	0.38	1	02/08/2023 06:30	02/08/2023 14:07	M
Ethylene Dibromide (EDB)	0.013 U	ug/L	0.10	0.013	1	02/08/2023 06:30	02/08/2023 14:07	M
Hexachlorobutadiene	0.31 U	ug/L	5.0	0.31	1	02/08/2023 06:30	02/08/2023 14:07	M
Iodomethane (Methyl Iodide)	1.2 U	ug/L	5.0	1.2	1	02/08/2023 06:30	02/08/2023 14:07	M
Isopropylbenzene	0.37 U	ug/L	1.0	0.37	1	02/08/2023 06:30	02/08/2023 14:07	M
Methyl tert-butyl Ether (MTBE)	0.24 U	ug/L	1.0	0.24	1	02/08/2023 06:30	02/08/2023 14:07	M
Methylene Chloride	1.0 U	ug/L	5.0	1.0	1	02/08/2023 06:30	02/08/2023 14:07	M
Naphthalene	0.40 U	ug/L	5.0	0.40	1	02/08/2023 06:30	02/08/2023 14:07	M
Styrene	0.45 U	ug/L	1.0	0.45	1	02/08/2023 06:30	02/08/2023 14:07	M

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Workorder: Clearwater PSTA (T2301957)

Analytical Results

Lab ID: T2301957005 **Date Collected:** 01/27/2023 12:53 **Matrix:** Water
Sample ID: TMW-5 **Date Received:** 01/27/2023 15:35

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Tetrachloroethylene (PCE)	0.48 U	ug/L	1.0	0.48	1	02/08/2023 06:30	02/08/2023 14:07	M
Toluene	0.49 U	ug/L	1.0	0.49	1	02/08/2023 06:30	02/08/2023 14:07	M
Trichloroethene	0.46 U	ug/L	1.0	0.46	1	02/08/2023 06:30	02/08/2023 14:07	M
Trichlorofluoromethane	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 14:07	M
Vinyl Acetate	0.85 U	ug/L	5.0	0.85	1	02/08/2023 06:30	02/08/2023 14:07	M
Vinyl Chloride	0.12 U	ug/L	1.0	0.12	1	02/08/2023 06:30	02/08/2023 14:07	M
Xylene (Total)	1.1 U	ug/L	2.0	1.1	1	02/08/2023 06:30	02/08/2023 14:07	M
cis-1,2-Dichloroethylene	0.48 U	ug/L	1.0	0.48	1	02/08/2023 06:30	02/08/2023 14:07	M
cis-1,3-Dichloropropene	0.19 U	ug/L	1.0	0.19	1	02/08/2023 06:30	02/08/2023 14:07	M
n-Butylbenzene	0.55 U	ug/L	1.0	0.55	1	02/08/2023 06:30	02/08/2023 14:07	M
n-propylbenzene	0.40 U	ug/L	1.0	0.40	1	02/08/2023 06:30	02/08/2023 14:07	M
sec-butylbenzene	0.55 U	ug/L	1.0	0.55	1	02/08/2023 06:30	02/08/2023 14:07	M
tert-butylbenzene	0.39 U	ug/L	1.0	0.39	1	02/08/2023 06:30	02/08/2023 14:07	M
trans-1,2-Dichloroethylene	0.59 U	ug/L	1.0	0.59	1	02/08/2023 06:30	02/08/2023 14:07	M
trans-1,3-Dichloropropylene	0.15 U	ug/L	1.0	0.15	1	02/08/2023 06:30	02/08/2023 14:07	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	100	70 - 128	M
Toluene-d8 (S)	ug/L	50	52	104	77 - 119	M





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DRAFT

Workorder: Clearwater PSTA (T2301957)

Analytical Results

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Bromofluorobenzene (S)	ug/L	50	57	113	86 - 123	M
2-Fluorobiphenyl (S)	ug/L	38	23	61	36 - 125	T
Nitrobenzene-d5 (S)	ug/L	38	23	62	34 - 139	T
p-Terphenyl-d14 (S)	ug/L	38	28	74	41 - 138	T

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Workorder: Clearwater PSTA (T2301957)

QC Results

QC Batch: ICPI/3434 **Analysis Method:** SW-846 6010
Preparation Method: SW-846 3010A
Associated Lab IDs: T2301957001, T2301957002, T2301957003, T2301957004, T2301957005

Method Blank(4645466)

Parameter	Results	Units	PQL	MDL	Lab
Silver	8.0 U	ug/L	10	8.0	T
Arsenic	8.0 U	ug/L	10	8.0	T
Barium	3.0 U	ug/L	10	3.0	T
Cadmium	1.0 U	ug/L	2.0	1.0	T
Chromium	5.0 U	ug/L	10	5.0	T
Lead	3.0 U	ug/L	10	3.0	T
Selenium	20 U	ug/L	100	20	T

Lab Control Sample (4645467)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Silver	ug/L	100	92	92	80 - 120	T
Arsenic	ug/L	1000	930	93	80 - 120	T
Barium	ug/L	1000	980	98	80 - 120	T
Cadmium	ug/L	100	100	102	80 - 120	T
Chromium	ug/L	1000	1000	101	80 - 120	T
Lead	ug/L	1000	1000	101	80 - 120	T
Selenium	ug/L	1000	930	93	80 - 120	T

Matrix Spike (4645468); Matrix Spike Duplicate (4645469); Parent Lab Sample (T2301957001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Silver	ug/L	100	92	92	75 - 125	93	93	1	20	T
Arsenic	ug/L	1000	1000	104	75 - 125	1000	105	0	20	T
Barium	ug/L	1000	1100	109	75 - 125	1100	110	1	20	T
Cadmium	ug/L	100	110	114	75 - 125	110	115	0	20	T
Chromium	ug/L	1000	1100	112	75 - 125	1100	112	0	20	T
Lead	ug/L	1000	1100	111	75 - 125	1100	111	0	20	T
Selenium	ug/L	1000	1000	104	75 - 125	1000	105	1	20	T

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Workorder: Clearwater PSTA (T2301957)

QC Results

QC Batch: MSS1/2278
Preparation Method: SW-846 3510C
Associated Lab IDs: T2301957001

Analysis Method: SW-846 8270C (SIM)

Method Blank(4647680)

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.055 U	ug/L	0.20	0.055	T
2-Methylnaphthalene	0.032 U	ug/L	0.20	0.032	T
1-Methylnaphthalene	0.043 U	ug/L	0.20	0.043	T
Acenaphthylene	0.032 U	ug/L	0.20	0.032	T
Acenaphthene	0.028 U	ug/L	0.20	0.028	T
Fluorene	0.038 U	ug/L	0.20	0.038	T
Phenanthrene	0.036 U	ug/L	0.20	0.036	T
Anthracene	0.053 U	ug/L	0.20	0.053	T
Fluoranthene	0.038 U	ug/L	0.20	0.038	T
Pyrene	0.037 U	ug/L	0.20	0.037	T
Benzo[a]anthracene	0.042 U	ug/L	0.20	0.042	T
Chrysene	0.031 U	ug/L	0.20	0.031	T
Benzo[b]fluoranthene	0.043 U	ug/L	0.10	0.043	T
Benzo[k]fluoranthene	0.027 U	ug/L	0.20	0.027	T
Benzo[a]pyrene	0.036 U	ug/L	0.20	0.036	T
Indeno(1,2,3-cd)pyrene	0.042 U	ug/L	0.20	0.042	T
Dibenzo[a,h]anthracene	0.053 U	ug/L	0.20	0.053	T
Benzo[g,h,i]perylene	0.045 U	ug/L	0.20	0.045	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.04	0.03	79	36 - 125	T
Nitrobenzene-d5 (S)	mg/L	0.04	0.03	75	34 - 139	T
p-Terphenyl-d14 (S)	mg/L	0.04	0.02	60	41 - 138	T

Lab Control Sample (4647681)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Naphthalene	ug/L	20	13	65	43 - 120	T
2-Methylnaphthalene	ug/L	20	14	69	39 - 123	T
1-Methylnaphthalene	ug/L	20	14	70	41 - 123	T
Acenaphthylene	ug/L	20	13	64	35 - 121	T
Acenaphthene	ug/L	20	14	71	46 - 120	T
Fluorene	ug/L	20	14	69	48 - 124	T

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Workorder: Clearwater PSTA (T2301957)

QC Batch: MStt/2278
Preparation Method: SW-846 3510C
Associated Lab IDs: T2301957001

Analysis Method: SW-846 8270C (SIM)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenanthrene	ug/L	20	14	72	49 - 125	T
Anthracene	ug/L	20	15	73	49 - 127	T
Fluoranthene	ug/L	20	15	77	48 - 130	T
Pyrene	ug/L	20	15	76	48 - 131	T
Benzo[a]anthracene	ug/L	20	12	62	49 - 130	T
Chrysene	ug/L	20	13	65	49 - 130	T
Benzo[b]fluoranthene	ug/L	20	12	62	43 - 134	T
Benzo[k]fluoranthene	ug/L	20	13	63	44 - 134	T
Benzo[a]pyrene	ug/L	20	11	54	43 - 130	T
Indeno(1,2,3-cd)pyrene	ug/L	20	10	51	38 - 137	T
Dibenzo[a,h]anthracene	ug/L	20	11	55	34 - 141	T
Benzo[g,h,i]perylene	ug/L	20	11	54	34 - 138	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.04	0.03	70	36 - 125	T
Nitrobenzene-d5 (S)	mg/L	0.04	0.03	69	34 - 139	T
p-Terphenyl-d14 (S)	mg/L	0.04	0.02	60	41 - 138	T

Matrix Spike (4647682); Matrix Spike Duplicate (4647683); Parent Lab Sample (T2301928002)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Naphthalene	ug/L	20	12	56	43 - 120	11	55	2	30	T
2-Methylnaphthalene	ug/L	20	13	57	39 - 123	13	56	2	30	T
1-Methylnaphthalene	ug/L	20	13	57	41 - 123	13	56	1	30	T
Acenaphthylene	ug/L	20	12	59	35 - 121	12	58	2	30	T
Acenaphthene	ug/L	20	13	61	46 - 120	13	60	2	30	T
Fluorene	ug/L	20	14	65	48 - 124	14	64	1	30	T
Phenanthrene	ug/L	20	15	70	49 - 125	15	70	0	30	T
Anthracene	ug/L	20	14	72	49 - 127	14	72	0	30	T
Fluoranthene	ug/L	20	15	77	48 - 130	15	76	1	30	T
Pyrene	ug/L	20	16	82	48 - 131	16	81	1	30	T
Benzo[a]anthracene	ug/L	20	14	70	49 - 130	14	70	1	30	T
Chrysene	ug/L	20	14	70	49 - 130	14	71	1	30	T
Benzo[b]fluoranthene	ug/L	20	13	66	43 - 134	13	66	0	30	T
Benzo[k]fluoranthene	ug/L	20	13	64	44 - 134	13	65	1	30	T

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Workorder: Clearwater PSTA (T2301957)

QC Batch: MSS1/2278
Preparation Method: SW-846 3510C
Associated Lab IDs: T2301957001

Analysis Method: SW-846 8270C (SIM)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzo[a]pyrene	ug/L	20	12	60	43 - 130	12	60	0	30	T
Indeno(1,2,3-cd)pyrene	ug/L	20	12	59	38 - 137	12	59	0	30	T
Dibenzo[a,h]anthracene	ug/L	20	11	54	34 - 141	11	57	5	30	T
Benzo[g,h,i]perylene	ug/L	20	12	59	34 - 138	12	58	2	30	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Fluorobiphenyl (S)	mg/L	0.04	0.02	61	36 - 125	0.02	59	4	30	T
Nitrobenzene-d5 (S)	mg/L	0.04	0.02	59	34 - 139	0.02	58	2	30	T
p-Terphenyl-d14 (S)	mg/L	0.04	0.03	64	41 - 138	0.03	66	4	30	T

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Workorder: Clearwater PSTA (T2301957)

QC Results

QC Batch: MSS1/2283 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3510C
Associated Lab IDs: T2301957002, T2301957003, T2301957004, T2301957005

Method Blank(4649925)

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.055 U	ug/L	0.20	0.055	T
2-Methylnaphthalene	0.032 U	ug/L	0.20	0.032	T
1-Methylnaphthalene	0.043 U	ug/L	0.20	0.043	T
Acenaphthylene	0.032 U	ug/L	0.20	0.032	T
Acenaphthene	0.028 U	ug/L	0.20	0.028	T
Fluorene	0.038 U	ug/L	0.20	0.038	T
Phenanthrene	0.036 U	ug/L	0.20	0.036	T
Anthracene	0.053 U	ug/L	0.20	0.053	T
Fluoranthene	0.038 U	ug/L	0.20	0.038	T
Pyrene	0.037 U	ug/L	0.20	0.037	T
Benzo[a]anthracene	0.042 U	ug/L	0.20	0.042	T
Chrysene	0.031 U	ug/L	0.20	0.031	T
Benzo[b]fluoranthene	0.043 U	ug/L	0.10	0.043	T
Benzo[k]fluoranthene	0.027 U	ug/L	0.20	0.027	T
Benzo[a]pyrene	0.036 U	ug/L	0.20	0.036	T
Indeno(1,2,3-cd)pyrene	0.042 U	ug/L	0.20	0.042	T
Dibenzo[a,h]anthracene	0.053 U	ug/L	0.20	0.053	T
Benzo[g,h,i]perylene	0.045 U	ug/L	0.20	0.045	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.04	0.03	71	36 - 125	T
Nitrobenzene-d5 (S)	mg/L	0.04	0.03	67	34 - 139	T
p-Terphenyl-d14 (S)	mg/L	0.04	0.03	73	41 - 138	T

Lab Control Sample (4649926)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Naphthalene	ug/L	20	13	67	43 - 120	T
2-Methylnaphthalene	ug/L	20	15	73	39 - 123	T
1-Methylnaphthalene	ug/L	20	15	73	41 - 123	T
Acenaphthylene	ug/L	20	14	70	35 - 121	T
Acenaphthene	ug/L	20	15	75	46 - 120	T
Fluorene	ug/L	20	15	73	48 - 124	T

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Workorder: Clearwater PSTA (T2301957)

QC Batch: MStt/2283 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3510C
Associated Lab IDs: T2301957002, T2301957003, T2301957004, T2301957005

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenanthrene	ug/L	20	16	79	49 - 125	T
Anthracene	ug/L	20	15	76	49 - 127	T
Fluoranthene	ug/L	20	17	83	48 - 130	T
Pyrene	ug/L	20	19	93	48 - 131	T
Benzo[a]anthracene	ug/L	20	16	79	49 - 130	T
Chrysene	ug/L	20	17	85	49 - 130	T
Benzo[b]fluoranthene	ug/L	20	16	79	43 - 134	T
Benzo[k]fluoranthene	ug/L	20	15	76	44 - 134	T
Benzo[a]pyrene	ug/L	20	14	72	43 - 130	T
Indeno(1,2,3-cd)pyrene	ug/L	20	15	75	38 - 137	T
Dibenzo[a,h]anthracene	ug/L	20	14	71	34 - 141	T
Benzo[g,h,i]perylene	ug/L	20	15	74	34 - 138	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.04	0.03	77	36 - 125	T
Nitrobenzene-d5 (S)	mg/L	0.04	0.03	72	34 - 139	T
p-Terphenyl-d14 (S)	mg/L	0.04	0.03	78	41 - 138	T

Matrix Spike (4649927); Matrix Spike Duplicate (4649928); Parent Lab Sample (T2301957003)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Naphthalene	ug/L	20	11	56	43 - 120	12	60	8	30	T
2-Methylnaphthalene	ug/L	20	12	59	39 - 123	13	65	10	30	T
1-Methylnaphthalene	ug/L	20	12	60	41 - 123	13	66	10	30	T
Acenaphthylene	ug/L	20	12	59	35 - 121	13	65	9	30	T
Acenaphthene	ug/L	20	13	64	46 - 120	14	70	9	30	T
Fluorene	ug/L	20	13	66	48 - 124	14	71	7	30	T
Phenanthrene	ug/L	20	15	73	49 - 125	16	80	9	30	T
Anthracene	ug/L	20	14	72	49 - 127	16	80	9	30	T
Fluoranthene	ug/L	20	15	77	48 - 130	17	85	10	30	T
Pyrene	ug/L	20	17	86	48 - 131	19	94	10	30	T
Benzo[a]anthracene	ug/L	20	15	75	49 - 130	16	81	9	30	T
Chrysene	ug/L	20	15	77	49 - 130	17	83	8	30	T
Benzo[b]fluoranthene	ug/L	20	15	75	43 - 134	15	77	2	30	T
Benzo[k]fluoranthene	ug/L	20	15	76	44 - 134	16	79	3	30	T

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Workorder: Clearwater PSTA (T2301957)

QC Batch: MSS1/2283 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3510C
Associated Lab IDs: T2301957002, T2301957003, T2301957004, T2301957005

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzo[a]pyrene	ug/L	20	14	69	43 - 130	15	73	5	30	T
Indeno(1,2,3-cd)pyrene	ug/L	20	14	68	38 - 137	15	76	11	30	T
Dibenzo[a,h]anthracene	ug/L	20	14	69	34 - 141	14	70	1	30	T
Benzo[g,h,i]perylene	ug/L	20	14	72	34 - 138	15	76	6	30	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Fluorobiphenyl (S)	mg/L	0.04	0.03	65	36 - 125	0.03	71	8	30	T
Nitrobenzene-d5 (S)	mg/L	0.04	0.02	60	34 - 139	0.03	67	11	30	T
p-Terphenyl-d14 (S)	mg/L	0.04	0.03	73	41 - 138	0.03	83	12	30	T

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Workorder: Clearwater PSTA (T2301957)

QC Results

QC Batch: MSVm/4003
Preparation Method: SW-846 5030B
Associated Lab IDs: T2301957001, T2301957002, T2301957003, T2301957004, T2301957005

Analysis Method: SW-846 8260B

Method Blank(4660258)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.40 U	ug/L	1.0	0.40	M
Chloromethane	0.42 U	ug/L	1.0	0.42	M
Vinyl Chloride	0.12 U	ug/L	1.0	0.12	M
Bromomethane	0.64 U	ug/L	1.0	0.64	M
Chloroethane	0.64 U	ug/L	1.0	0.64	M
Trichlorofluoromethane	0.40 U	ug/L	1.0	0.40	M
Acrolein (Propenal)	3.4 U	ug/L	25	3.4	M
Acetone	2.0 U	ug/L	25	2.0	M
1,1-Dichloroethylene	0.47 U	ug/L	1.0	0.47	M
Iodomethane (Methyl Iodide)	1.2 U	ug/L	5.0	1.2	M
Acrylonitrile	2.6 U	ug/L	5.0	2.6	M
Methylene Chloride	1.0 U	ug/L	5.0	1.0	M
Carbon Disulfide	1.1 U	ug/L	5.0	1.1	M
trans-1,2-Dichloroethylene	0.59 U	ug/L	1.0	0.59	M
Methyl tert-butyl Ether (MTBE)	0.24 U	ug/L	1.0	0.24	M
1,1-Dichloroethane	0.37 U	ug/L	1.0	0.37	M
Vinyl Acetate	0.85 U	ug/L	5.0	0.85	M
2-Butanone (MEK)	1.6 U	ug/L	5.0	1.6	M
cis-1,2-Dichloroethylene	0.48 U	ug/L	1.0	0.48	M
Bromochloromethane	0.49 U	ug/L	1.0	0.49	M
Chloroform	0.51 U	ug/L	1.0	0.51	M
2,2-Dichloropropane	0.39 U	ug/L	1.0	0.39	M
1,2-Dichloroethane	0.49 U	ug/L	1.0	0.49	M
1,1,1-Trichloroethane	0.55 U	ug/L	1.0	0.55	M
1,1-Dichloropropene	0.49 U	ug/L	1.0	0.49	M
Carbon Tetrachloride	0.43 U	ug/L	1.0	0.43	M
Benzene	0.18 U	ug/L	1.0	0.18	M
Dibromomethane	0.40 U	ug/L	1.0	0.40	M
1,2-Dichloropropane	0.57 U	ug/L	1.0	0.57	M
Trichloroethene	0.46 U	ug/L	1.0	0.46	M
Bromodichloromethane	0.42 U	ug/L	1.0	0.42	M

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Workorder: Clearwater PSTA (T2301957)

QC Batch: MSVm/4003
Preparation Method: SW-846 5030B
Associated Lab IDs: T2301957001, T2301957002, T2301957003, T2301957004, T2301957005

Analysis Method: SW-846 8260B

Parameter	Results	Units	PQL	MDL	Lab
2-Chloroethyl Vinyl Ether	1.5 U	ug/L	5.0	1.5	M
cis-1,3-Dichloropropene	0.19 U	ug/L	1.0	0.19	M
4-Methyl-2-pentanone (MIBK)	1.9 U	ug/L	5.0	1.9	M
trans-1,3-Dichloropropylene	0.15 U	ug/L	1.0	0.15	M
1,1,2-Trichloroethane	0.61 U	ug/L	1.0	0.61	M
Toluene	0.49 U	ug/L	1.0	0.49	M
1,3-Dichloropropane	0.49 U	ug/L	1.0	0.49	M
2-Hexanone	0.78 U	ug/L	5.0	0.78	M
Dibromochloromethane	0.37 U	ug/L	1.0	0.37	M
Ethylene Dibromide (EDB)	0.013 U	ug/L	0.10	0.013	M
Tetrachloroethylene (PCE)	0.48 U	ug/L	1.0	0.48	M
1,1,1,2-Tetrachloroethane	0.67 U	ug/L	1.0	0.67	M
Chlorobenzene	0.69 U	ug/L	1.0	0.69	M
Ethylbenzene	0.38 U	ug/L	1.0	0.38	M
Bromoform	0.73 U	ug/L	5.0	0.73	M
Styrene	0.45 U	ug/L	1.0	0.45	M
1,1,2,2-Tetrachloroethane	0.16 U	ug/L	1.0	0.16	M
1,2,3-Trichloropropane	0.59 U	ug/L	1.0	0.59	M
Isopropylbenzene	0.37 U	ug/L	1.0	0.37	M
Bromobenzene	0.54 U	ug/L	1.0	0.54	M
n-propylbenzene	0.40 U	ug/L	1.0	0.40	M
2-Chlorotoluene	0.57 U	ug/L	1.0	0.57	M
4-Chlorotoluene	0.35 U	ug/L	1.0	0.35	M
1,3,5-Trimethylbenzene	0.42 U	ug/L	1.0	0.42	M
tert-butylbenzene	0.39 U	ug/L	1.0	0.39	M
1,2,4-Trimethylbenzene	0.47 U	ug/L	5.0	0.47	M
sec-butylbenzene	0.55 U	ug/L	1.0	0.55	M
1,3-Dichlorobenzene	0.59 U	ug/L	1.0	0.59	M
1,4-Dichlorobenzene	0.48 U	ug/L	1.0	0.48	M
1,2-Dichlorobenzene	0.87 U	ug/L	1.0	0.87	M
n-Butylbenzene	0.55 U	ug/L	1.0	0.55	M
1,2-Dibromo-3-Chloropropane	0.026 U	ug/L	0.10	0.026	M
1,2,4-Trichlorobenzene	0.57 U	ug/L	1.0	0.57	M
Naphthalene	0.40 U	ug/L	5.0	0.40	M

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Workorder: Clearwater PSTA (T2301957)

QC Batch: MSVm/4003
Preparation Method: SW-846 5030B
Associated Lab IDs: T2301957001, T2301957002, T2301957003, T2301957004, T2301957005

Analysis Method: SW-846 8260B

Parameter	Results	Units	PQL	MDL	Lab
Hexachlorobutadiene	0.31 U	ug/L	5.0	0.31	M
1,2,3-Trichlorobenzene	0.80 U	ug/L	5.0	0.80	M
Xylene (Total)	1.1 U	ug/L	2.0	1.1	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	45	89	70 - 128	M
Bromofluorobenzene (S)	ug/L	50	54	108	86 - 123	M
Toluene-d8 (S)	ug/L	50	54	107	77 - 119	M

Lab Control Sample (4660259); Lab Control Sample Duplicate (4660260); Parent Lab Sample (T2301957001, T2301957002, T2301957003, T2301957004, T2301957005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	ug/L	20	20	102		19	95	8		M
Chloromethane	ug/L	20	16	79		19	93	17		M
Vinyl Chloride	ug/L	20	19	93	70 - 130	19	93	0	20	M
Bromomethane	ug/L	20	22	108		23	114	6		M
Chloroethane	ug/L	20	16	81		19	95	15		M
Trichlorofluoromethane	ug/L	20	15	75		19	93	22		M
Acrolein (Propenal)	ug/L	100	94	94		100	102	8		M
Acetone	ug/L	20	16	81		20	99	20		M
1,1-Dichloroethylene	ug/L	20	18	92	70 - 130	22	109	17	20	M
Iodomethane (Methyl Iodide)	ug/L	20	15	73		19	95	26		M
Acrylonitrile	ug/L	20	18	92		21	107	15		M
Methylene Chloride	ug/L	20	17	86		21	104	19		M
Carbon Disulfide	ug/L	20	19	93		24	119	24		M
trans-1,2-Dichloroethylene	ug/L	20	18	90		23	116	25		M
Methyl tert-butyl Ether (MTBE)	ug/L	20	19	96	70 - 130	23	114	17	20	M
1,1-Dichloroethane	ug/L	20	18	89		23	114	25		M
Vinyl Acetate	ug/L	20	18	88		22	112	24		M
2-Butanone (MEK)	ug/L	20	17	86		22	111	25		M
cis-1,2-Dichloroethylene	ug/L	20	19	97	70 - 130	23	113	15	20	M
Bromochloromethane	ug/L	20	18	92		24	118	24		M
Chloroform	ug/L	20	20	98	70 - 130	23	114	15	20	M
2,2-Dichloropropane	ug/L	20	18	89		23	114	25		M

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Workorder: Clearwater PSTA (T2301957)

QC Batch: MSVm/4003 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5030B
Associated Lab IDs: T2301957001, T2301957002, T2301957003, T2301957004, T2301957005

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane	ug/L	20	18	91		23	116	24		M
1,1,1-Trichloroethane	ug/L	20	17	85		23	116	31		M
1,1-Dichloropropene	ug/L	20	17	86		23	113	27		M
Carbon Tetrachloride	ug/L	20	20	100		24	119	17		M
Benzene	ug/L	20	19	95	70 - 130	23	113	18	20	M
Dibromomethane	ug/L	20	18	88		23	114	25		M
1,2-Dichloropropane	ug/L	20	18	88		23	113	26		M
Trichloroethene	ug/L	20	19	97	70 - 130	22	111	13	20	M
Bromodichloromethane	ug/L	20	18	88		22	112	24		M
2-Chloroethyl Vinyl Ether	ug/L	40	34	86		45	112	26		M
cis-1,3-Dichloropropene	ug/L	20	18	88		22	112	24		M
4-Methyl-2-pentanone (MIB)	ug/L	20	18	89		23	115	25		M
trans-1,3-Dichloropropylene	ug/L	20	17	87		22	111	24		M
1,1,2-Trichloroethane	ug/L	20	18	90		22	110	20		M
Toluene	ug/L	20	19	94	70 - 130	22	112	18	20	M
1,3-Dichloropropane	ug/L	20	17	83		22	110	28		M
2-Hexanone	ug/L	20	16	82		22	109	29		M
Dibromochloromethane	ug/L	20	18	88		22	109	21		M
Ethylene Dibromide (EDB)	ug/L	20	16	80		21	105	27		M
Tetrachloroethylene (PCE)	ug/L	20	18	92	70 - 130	21	106	15	20	M
1,1,1,2-Tetrachloroethane	ug/L	20	17	84		22	112	28		M
Chlorobenzene	ug/L	20	19	94	70 - 130	22	109	15	20	M
Ethylbenzene	ug/L	20	18	91	70 - 130	22	109	18	20	M
Bromoform	ug/L	20	18	88		21	106	19		M
Styrene	ug/L	20	17	84		22	112	29		M
1,1,2,2-Tetrachloroethane	ug/L	20	17	85		22	111	26		M
1,2,3-Trichloropropane	ug/L	20	16	82		23	115	33		M
Isopropylbenzene	ug/L	20	18	92		21	105	13		M
Bromobenzene	ug/L	20	18	92		21	104	12		M
n-propylbenzene	ug/L	20	18	90		21	104	14		M
2-Chlorotoluene	ug/L	20	18	89		21	103	15		M
4-Chlorotoluene	ug/L	20	18	91		21	105	13		M
1,3,5-Trimethylbenzene	ug/L	20	18	91		21	105	14		M

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DRAFT

Workorder: Clearwater PSTA (T2301957)

QC Batch: MSVm/4003 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5030B
Associated Lab IDs: T2301957001, T2301957002, T2301957003, T2301957004, T2301957005

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
tert-butylbenzene	ug/L	20	19	93		21	105	12		M
1,2,4-Trimethylbenzene	ug/L	20	18	91	70 - 130	21	106	15	20	M
sec-butylbenzene	ug/L	20	19	93		21	107	15		M
1,3-Dichlorobenzene	ug/L	20	19	94	70 - 130	21	107	13	20	M
1,4-Dichlorobenzene	ug/L	20	19	94		21	104	9		M
1,2-Dichlorobenzene	ug/L	20	19	96	70 - 130	23	114	17	20	M
n-Butylbenzene	ug/L	20	19	93		21	105	12		M
1,2-Dibromo-3-Chloropropa	ug/L	20	20	100		22	111	10		M
1,2,4-Trichlorobenzene	ug/L	20	24	118		23	115	2		M
Naphthalene	ug/L	20	23	117		24	118	2		M
Hexachlorobutadiene	ug/L	20	22	112		23	113	1		M
1,2,3-Trichlorobenzene	ug/L	20	22	110		23	117	6		M
Xylene (Total)	ug/L	60	55	91	70 - 130	66	110	18	20	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	55	111	70 - 128	50	101	10		M
Bromofluorobenzene (S)	ug/L	50	50	99	86 - 123	45	90	10		M
Toluene-d8 (S)	ug/L	50	56	113	77 - 119	51	101	11		M

Matrix Spike (4660261); Parent Lab Sample (T2301957005)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	ug/L	20	19	95		M
Chloromethane	ug/L	20	18	90		M
Vinyl Chloride	ug/L	20	19	94	70 - 130	M
Bromomethane	ug/L	20	23	116		M
Chloroethane	ug/L	20	19	94		M
Trichlorofluoromethane	ug/L	20	20	99		M
Acrolein (Propenal)	ug/L	100	78	78		M
Acetone	ug/L	20	16	78		M
1,1-Dichloroethylene	ug/L	20	18	90	70 - 130	M
Iodomethane (Methyl Iodide)	ug/L	20	17	83		M
Acrylonitrile	ug/L	20	18	91		M
Methylene Chloride	ug/L	20	17	83		M

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Workorder: Clearwater PSTA (T2301957)

QC Batch: MSVm/4003
Preparation Method: SW-846 5030B
Associated Lab IDs: T2301957001, T2301957002, T2301957003, T2301957004, T2301957005

Analysis Method: SW-846 8260B

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Carbon Disulfide	ug/L	20	20	101		M
trans-1,2-Dichloroethylene	ug/L	20	18	91		M
Methyl tert-butyl Ether (MTBE)	ug/L	20	17	83	70 - 130	M
1,1-Dichloroethane	ug/L	20	18	89		M
Vinyl Acetate	ug/L	20	17	83		M
2-Butanone (MEK)	ug/L	20	18	89		M
cis-1,2-Dichloroethylene	ug/L	20	17	87	70 - 130	M
Bromochloromethane	ug/L	20	17	87		M
Chloroform	ug/L	20	17	86	70 - 130	M
2,2-Dichloropropane	ug/L	20	19	93		M
1,2-Dichloroethane	ug/L	20	17	84		M
1,1,1-Trichloroethane	ug/L	20	19	93		M
1,1-Dichloropropene	ug/L	20	19	93		M
Carbon Tetrachloride	ug/L	20	22	111		M
Benzene	ug/L	20	18	88	70 - 130	M
Dibromomethane	ug/L	20	17	84		M
1,2-Dichloropropane	ug/L	20	17	84		M
Trichloroethene	ug/L	20	18	91	70 - 130	M
Bromodichloromethane	ug/L	20	17	84		M
2-Chloroethyl Vinyl Ether	ug/L	40	33	82		M
cis-1,3-Dichloropropene	ug/L	20	17	84		M
4-Methyl-2-pentanone (MIBK)	ug/L	20	16	81		M
trans-1,3-Dichloropropylene	ug/L	20	16	82		M
1,1,2-Trichloroethane	ug/L	20	17	84		M
Toluene	ug/L	20	17	87	70 - 130	M
1,3-Dichloropropane	ug/L	20	17	83		M
2-Hexanone	ug/L	20	16	79		M
Dibromochloromethane	ug/L	20	17	86		M
Ethylene Dibromide (EDB)	ug/L	20	16	82		M
Tetrachloroethylene (PCE)	ug/L	20	18	91	70 - 130	M
1,1,1,2-Tetrachloroethane	ug/L	20	18	89		M
Chlorobenzene	ug/L	20	17	86	70 - 130	M
Ethylbenzene	ug/L	20	18	88	70 - 130	M
Bromoform	ug/L	20	17	84		M

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Workorder: Clearwater PSTA (T2301957)

QC Batch: MSVm/4003
Preparation Method: SW-846 5030B
Associated Lab IDs: T2301957001, T2301957002, T2301957003, T2301957004, T2301957005

Analysis Method: SW-846 8260B

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Styrene	ug/L	20	17	85		M
1,1,2,2-Tetrachloroethane	ug/L	20	17	83		M
1,2,3-Trichloropropane	ug/L	20	15	75		M
Isopropylbenzene	ug/L	20	20	100		M
Bromobenzene	ug/L	20	19	93		M
n-propylbenzene	ug/L	20	19	96		M
2-Chlorotoluene	ug/L	20	19	93		M
4-Chlorotoluene	ug/L	20	18	92		M
1,3,5-Trimethylbenzene	ug/L	20	19	96		M
tert-butylbenzene	ug/L	20	20	99		M
1,2,4-Trimethylbenzene	ug/L	20	19	96	70 - 130	M
sec-butylbenzene	ug/L	20	21	103		M
1,3-Dichlorobenzene	ug/L	20	20	98	70 - 130	M
1,4-Dichlorobenzene	ug/L	20	20	98		M
1,2-Dichlorobenzene	ug/L	20	20	101	70 - 130	M
n-Butylbenzene	ug/L	20	20	102		M
1,2-Dibromo-3-Chloropropane	ug/L	20	22	110		M
1,2,4-Trichlorobenzene	ug/L	20	25	124		M
Naphthalene	ug/L	20	23	117		M
Hexachlorobutadiene	ug/L	20	22	110		M
1,2,3-Trichlorobenzene	ug/L	20	24	118		M
Xylene (Total)	ug/L	60	52	87	70 - 130	M

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	98	70 - 128	M
Bromofluorobenzene (S)	ug/L	50	51	102	86 - 123	M
Toluene-d8 (S)	ug/L	50	51	102	77 - 119	M

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Workorder: Clearwater PSTA (T2301957)

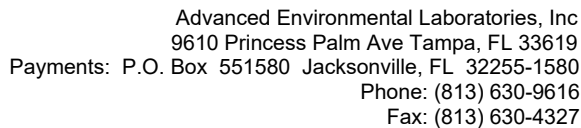
QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
ICPt/3434 - SW-846 6010			
T2301957001	TMW-1	DGMt/5539	SW-846 3010A
T2301957002	TMW-2	DGMt/5539	SW-846 3010A
T2301957003	TMW-3	DGMt/5539	SW-846 3010A
T2301957004	TMW-4	DGMt/5539	SW-846 3010A
T2301957005	TMW-5	DGMt/5539	SW-846 3010A
MSSt/2278 - SW-846 8270C (SIM)			
T2301957001	TMW-1	EXTt/3762	SW-846 3510C
MSSt/2283 - SW-846 8270C (SIM)			
T2301957002	TMW-2	EXTt/3767	SW-846 3510C
T2301957003	TMW-3	EXTt/3767	SW-846 3510C
T2301957004	TMW-4	EXTt/3767	SW-846 3510C
T2301957005	TMW-5	EXTt/3767	SW-846 3510C
MSVm/4003 - SW-846 8260B			
T2301957001	TMW-1	MSVm/4002	SW-846 5030B
T2301957002	TMW-2	MSVm/4002	SW-846 5030B
T2301957003	TMW-3	MSVm/4002	SW-846 5030B
T2301957004	TMW-4	MSVm/4002	SW-846 5030B
T2301957005	TMW-5	MSVm/4002	SW-846 5030B

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Workorder: Clearwater PSTA (T2301957)

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FINAL

Workorder: Clearwater PSTA (T2301880)

February 23, 2023

Alex Jones
Cardno
380 Park Place Blvd
Suite 300
Clearwater, FL 33759

RE: Workorder: T2301880 Clearwater PSTA

Dear Alex Jones:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday January 26, 2023. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sheila Wilcox, Assistant Lab Manager
SWilcox@aellab.com

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Workorder: Clearwater PSTA (T2301880)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2301880001	SB-1 (0-0.5)	SO	SM 2540G	01/26/2023 10:25	01/26/2023 15:45	1	Dry
T2301880001	SB-1 (0-0.5)	SO	SW-846 6010	01/26/2023 10:25	01/26/2023 15:45	7	Dry
T2301880001	SB-1 (0-0.5)	SO	SW-846 7471A	01/26/2023 10:25	01/26/2023 15:45	1	Dry
T2301880001	SB-1 (0-0.5)	SO	SW-846 8260B	01/26/2023 10:25	01/26/2023 15:45	68	Dry
T2301880001	SB-1 (0-0.5)	SO	SW-846 8270C (SIM)	01/26/2023 10:25	01/26/2023 15:45	18	Dry
T2301880002	SB-1 (0.5-2)	SO	SM 2540G	01/26/2023 10:30	01/26/2023 15:45	1	Dry
T2301880002	SB-1 (0.5-2)	SO	SW-846 6010	01/26/2023 10:30	01/26/2023 15:45	7	Dry
T2301880002	SB-1 (0.5-2)	SO	SW-846 7471A	01/26/2023 10:30	01/26/2023 15:45	1	Dry
T2301880002	SB-1 (0.5-2)	SO	SW-846 8260B	01/26/2023 10:30	01/26/2023 15:45	68	Dry
T2301880002	SB-1 (0.5-2)	SO	SW-846 8270C (SIM)	01/26/2023 10:30	01/26/2023 15:45	18	Dry
T2301880003	SB-2 (0-0.5)	SO	SM 2540G	01/26/2023 11:00	01/26/2023 15:45	1	Dry
T2301880003	SB-2 (0-0.5)	SO	SW-846 6010	01/26/2023 11:00	01/26/2023 15:45	7	Dry
T2301880003	SB-2 (0-0.5)	SO	SW-846 7471A	01/26/2023 11:00	01/26/2023 15:45	1	Dry
T2301880003	SB-2 (0-0.5)	SO	SW-846 8260B	01/26/2023 11:00	01/26/2023 15:45	68	Dry
T2301880003	SB-2 (0-0.5)	SO	SW-846 8270C (SIM)	01/26/2023 11:00	01/26/2023 15:45	18	Dry
T2301880004	SB-2 (0.5-2)	SO	SM 2540G	01/26/2023 11:05	01/26/2023 15:45	1	Dry
T2301880004	SB-2 (0.5-2)	SO	SW-846 6010	01/26/2023 11:05	01/26/2023 15:45	7	Dry
T2301880004	SB-2 (0.5-2)	SO	SW-846 7471A	01/26/2023 11:05	01/26/2023 15:45	1	Dry
T2301880004	SB-2 (0.5-2)	SO	SW-846 8260B	01/26/2023 11:05	01/26/2023 15:45	68	Dry
T2301880004	SB-2 (0.5-2)	SO	SW-846 8270C (SIM)	01/26/2023 11:05	01/26/2023 15:45	18	Dry
T2301880005	SB-3 (0-0.5)	SO	SM 2540G	01/26/2023 11:30	01/26/2023 15:45	1	Dry
T2301880005	SB-3 (0-0.5)	SO	SW-846 6010	01/26/2023 11:30	01/26/2023 15:45	7	Dry
T2301880005	SB-3 (0-0.5)	SO	SW-846 7471A	01/26/2023 11:30	01/26/2023 15:45	1	Dry
T2301880005	SB-3 (0-0.5)	SO	SW-846 8260B	01/26/2023 11:30	01/26/2023 15:45	68	Dry
T2301880005	SB-3 (0-0.5)	SO	SW-846 8270C (SIM)	01/26/2023 11:30	01/26/2023 15:45	18	Dry
T2301880006	SB-3 (0.5-2)	SO	SM 2540G	01/26/2023 11:35	01/26/2023 15:45	1	Dry
T2301880006	SB-3 (0.5-2)	SO	SW-846 6010	01/26/2023 11:35	01/26/2023 15:45	7	Dry
T2301880006	SB-3 (0.5-2)	SO	SW-846 7471A	01/26/2023 11:35	01/26/2023 15:45	1	Dry
T2301880006	SB-3 (0.5-2)	SO	SW-846 8260B	01/26/2023 11:35	01/26/2023 15:45	68	Dry
T2301880006	SB-3 (0.5-2)	SO	SW-846 8270C (SIM)	01/26/2023 11:35	01/26/2023 15:45	18	Dry
T2301880007	SB-4 (0-0.5)	SO	SM 2540G	01/26/2023 12:15	01/26/2023 15:45	1	Dry
T2301880007	SB-4 (0-0.5)	SO	SW-846 6010	01/26/2023 12:15	01/26/2023 15:45	7	Dry
T2301880007	SB-4 (0-0.5)	SO	SW-846 7471A	01/26/2023 12:15	01/26/2023 15:45	1	Dry
T2301880007	SB-4 (0-0.5)	SO	SW-846 8260B	01/26/2023 12:15	01/26/2023 15:45	68	Dry
T2301880007	SB-4 (0-0.5)	SO	SW-846 8270C (SIM)	01/26/2023 12:15	01/26/2023 15:45	18	Dry

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FINAL

Workorder: Clearwater PSTA (T2301880)

Sample Summary

Lab ID	Sample ID	Matrix	Method	Date Collected	Date Received	Analytes Reported	Basis
T2301880008	SB-4 (0.5-2)	SO	SM 2540G	01/26/2023 12:20	01/26/2023 15:45	1	Dry
T2301880008	SB-4 (0.5-2)	SO	SW-846 6010	01/26/2023 12:20	01/26/2023 15:45	7	Dry
T2301880008	SB-4 (0.5-2)	SO	SW-846 7471A	01/26/2023 12:20	01/26/2023 15:45	1	Dry
T2301880008	SB-4 (0.5-2)	SO	SW-846 8260B	01/26/2023 12:20	01/26/2023 15:45	68	Dry
T2301880008	SB-4 (0.5-2)	SO	SW-846 8270C (SIM)	01/26/2023 12:20	01/26/2023 15:45	18	Dry
T2301880009	SB-5 (0-0.5)	SO	SM 2540G	01/26/2023 12:50	01/26/2023 15:45	1	Dry
T2301880009	SB-5 (0-0.5)	SO	SW-846 6010	01/26/2023 12:50	01/26/2023 15:45	7	Dry
T2301880009	SB-5 (0-0.5)	SO	SW-846 7471A	01/26/2023 12:50	01/26/2023 15:45	1	Dry
T2301880009	SB-5 (0-0.5)	SO	SW-846 8260B	01/26/2023 12:50	01/26/2023 15:45	68	Dry
T2301880009	SB-5 (0-0.5)	SO	SW-846 8270C (SIM)	01/26/2023 12:50	01/26/2023 15:45	18	Dry
T2301880010	SB-5 (0.5-2)	SO	SM 2540G	01/26/2023 12:53	01/26/2023 15:45	1	Dry
T2301880010	SB-5 (0.5-2)	SO	SW-846 6010	01/26/2023 12:53	01/26/2023 15:45	7	Dry
T2301880010	SB-5 (0.5-2)	SO	SW-846 7471A	01/26/2023 12:53	01/26/2023 15:45	1	Dry
T2301880010	SB-5 (0.5-2)	SO	SW-846 8260B	01/26/2023 12:53	01/26/2023 15:45	68	Dry
T2301880010	SB-5 (0.5-2)	SO	SW-846 8270C (SIM)	01/26/2023 12:53	01/26/2023 15:45	18	Dry

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FINAL

Workorder: Clearwater PSTA (T2301880)

Workorder Summary

Batch Comments

ICPt/3431 - ICP 6010B Analysis

The matrix spike (MS) recovery of Arsenic for F2300253015 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and Matrix Spike Duplicate (MSD) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential high bias in this matrix. No further corrective action is required.

MSSt/2286 - 8270C Analysis, Soil, SIM Only

The matrix spike (MS) recovery of Pyrene for parent sample T2301869001 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and Matrix Spike Duplicate (MSD) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. No further corrective action is required.

The samples T2301880001, T2301927001, T2301927002, and T2301927003 were diluted prior to instrumental analysis. The extracts were highly colored and viscous which indicated the need to perform a dilution prior to injection into the instrument. The samples cannot be analyzed at a lower dilution.

The relative percent difference (RPD) for the following analyte(s) in the replicate matrix spike duplicate analyses of T2301869001 was outside control criteria: 2-Methylnaphthalene, 1-Methylnaphthalene, Benzo[k]fluoranthene, and Fluorene. Failing RPD indicates inconsistency in the parent sample matrix. All spike recoveries in the MS, MSD and associated LCS were within acceptable limits, indicating the analytical batch was in control. No further corrective action was needed.

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Workorder: Clearwater PSTA (T2301880)

Analytical Results Qualifiers

Parameter Qualifiers

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Lab QC Failure

Lab Qualifiers

M	DOH Certification #E82535 (FL NELAC) AEL-Miami
T	DOH Certification #E84589 (FL NELAC) AEL-Tampa

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Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880001
Sample ID: SB-1 (0-0.5)

Date Collected: 01/26/2023 10:25
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	1.2	mg/Kg	0.32	0.16	1	01/27/2023 14:30	01/30/2023 13:49	T
Barium	12	mg/Kg	0.32	0.16	1	01/27/2023 14:30	01/30/2023 13:49	T
Cadmium	0.22	mg/Kg	0.063	0.032	1	01/27/2023 14:30	01/30/2023 13:49	T
Chromium	5.7	mg/Kg	0.32	0.25	1	01/27/2023 14:30	01/30/2023 13:49	T
Lead	26	mg/Kg	0.32	0.16	1	01/27/2023 14:30	01/30/2023 13:49	T
Selenium	0.63	U mg/Kg	3.2	0.63	1	01/27/2023 14:30	01/30/2023 13:49	T
Silver	0.25	U mg/Kg	0.32	0.25	1	01/27/2023 14:30	01/30/2023 13:49	T
METALS (SW-846 7471A)								
Mercury	0.053	mg/Kg	0.0062	0.0031	1	02/17/2023 20:55	02/17/2023 23:07	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0093	U mg/Kg	0.049	0.0093	5	02/06/2023 14:20	02/07/2023 02:20	T
2-Methylnaphthalene	0.012	U mg/Kg	0.049	0.012	5	02/06/2023 14:20	02/07/2023 02:20	T
Acenaphthene	0.011	I mg/Kg	0.049	0.0090	5	02/06/2023 14:20	02/07/2023 02:20	T
Acenaphthylene	0.018	I mg/Kg	0.049	0.011	5	02/06/2023 14:20	02/07/2023 02:20	T
Anthracene	0.077	mg/Kg	0.049	0.015	5	02/06/2023 14:20	02/07/2023 02:20	T
Benzo[a]anthracene	0.56	mg/Kg	0.049	0.012	5	02/06/2023 14:20	02/07/2023 02:20	T
Benzo[a]pyrene	0.65	mg/Kg	0.049	0.010	5	02/06/2023 14:20	02/07/2023 02:20	T
Benzo[b]fluoranthene	0.94	mg/Kg	0.049	0.0094	5	02/06/2023 14:20	02/07/2023 02:20	T
Benzo[g,h,i]perylene	0.50	mg/Kg	0.049	0.011	5	02/06/2023 14:20	02/07/2023 02:20	T
Benzo[k]fluoranthene	0.34	mg/Kg	0.049	0.014	5	02/06/2023 14:20	02/07/2023 02:20	T
Chrysene	0.71	mg/Kg	0.049	0.017	5	02/06/2023 14:20	02/07/2023 02:20	T
Dibenzo[a,h]anthracene	0.14	mg/Kg	0.049	0.0099	5	02/06/2023 14:20	02/07/2023 02:20	T
Fluoranthene	1.0	mg/Kg	0.049	0.017	5	02/06/2023 14:20	02/07/2023 02:20	T
Fluorene	0.013	U mg/Kg	0.049	0.013	5	02/06/2023 14:20	02/07/2023 02:20	T
Indeno(1,2,3-cd)pyrene	0.56	mg/Kg	0.049	0.014	5	02/06/2023 14:20	02/07/2023 02:20	T
Naphthalene	0.010	U mg/Kg	0.049	0.010	5	02/06/2023 14:20	02/07/2023 02:20	T
Phenanthrene	0.32	mg/Kg	0.049	0.013	5	02/06/2023 14:20	02/07/2023 02:20	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880001	Date Collected: 01/26/2023 10:25			Matrix: Soil				
Sample ID: SB-1 (0-0.5)	Date Received: 01/26/2023 15:45							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	0.99	mg/Kg	0.049	0.014	5	02/06/2023 14:20	02/07/2023 02:20	T
(SM 2540G)								
Percent Moisture	19	%	0.0010	0.0010	1	01/27/2023 06:00	01/27/2023 06:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1,2-Tetrachloroethane	0.0012 U	mg/Kg	0.0037	0.0012	1	01/27/2023 15:34	01/27/2023 23:55	T
1,1,1-Trichloroethane	0.00087 U	mg/Kg	0.0037	0.00087	1	01/27/2023 15:34	01/27/2023 23:55	T
1,1,2,2-Tetrachloroethane	0.00063 U	mg/Kg	0.0037	0.00063	1	01/27/2023 15:34	01/27/2023 23:55	T
1,1,2-Trichloroethane	0.00060 U	mg/Kg	0.0037	0.00060	1	01/27/2023 15:34	01/27/2023 23:55	T
1,1-Dichloroethane	0.00087 U	mg/Kg	0.0037	0.00087	1	01/27/2023 15:34	01/27/2023 23:55	T
1,1-Dichloroethylene	0.00091 U	mg/Kg	0.0037	0.00091	1	01/27/2023 15:34	01/27/2023 23:55	T
1,1-Dichloropropene	0.00060 U	mg/Kg	0.0037	0.00060	1	01/27/2023 15:34	01/27/2023 23:55	T
1,2,3-Trichlorobenzene	0.00099 U	mg/Kg	0.0037	0.00099	1	01/27/2023 15:34	01/27/2023 23:55	T
1,2,3-Trichloropropane	0.0021 U	mg/Kg	0.0037	0.0021	1	01/27/2023 15:34	01/27/2023 23:55	T
1,2,4-Trichlorobenzene	0.00081 U	mg/Kg	0.0037	0.00081	1	01/27/2023 15:34	01/27/2023 23:55	T
1,2,4-Trimethylbenzene	0.0011 U	mg/Kg	0.0037	0.0011	1	01/27/2023 15:34	01/27/2023 23:55	T
1,2-Dibromo-3-Chloropropane	0.0016 U	mg/Kg	0.0037	0.0016	1	01/27/2023 15:34	01/27/2023 23:55	T
1,2-Dichlorobenzene	0.00059 U	mg/Kg	0.0037	0.00059	1	01/27/2023 15:34	01/27/2023 23:55	T
1,2-Dichloroethane	0.00097 U	mg/Kg	0.0037	0.00097	1	01/27/2023 15:34	01/27/2023 23:55	T
1,2-Dichloropropane	0.00067 U	mg/Kg	0.0037	0.00067	1	01/27/2023 15:34	01/27/2023 23:55	T
1,3,5-Trimethylbenzene	0.00083 U	mg/Kg	0.0037	0.00083	1	01/27/2023 15:34	01/27/2023 23:55	T
1,3-Dichlorobenzene	0.00069 U	mg/Kg	0.0037	0.00069	1	01/27/2023 15:34	01/27/2023 23:55	T
1,3-Dichloropropane	0.00053 U	mg/Kg	0.0037	0.00053	1	01/27/2023 15:34	01/27/2023 23:55	T
1,4-Dichlorobenzene	0.00082 U	mg/Kg	0.0037	0.00082	1	01/27/2023 15:34	01/27/2023 23:55	T
2,2-Dichloropropane	0.0014 U	mg/Kg	0.0037	0.0014	1	01/27/2023 15:34	01/27/2023 23:55	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880001
Sample ID: SB-1 (0-0.5)

Date Collected: 01/26/2023 10:25
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.0016 I	mg/Kg	0.0037	0.0013	1	01/27/2023 15:34	01/27/2023 23:55	T
2-Chloroethyl Vinyl Ether	0.0032 U	mg/Kg	0.0037	0.0032	1	01/27/2023 15:34	01/27/2023 23:55	T
2-Chlorotoluene	0.00083 U	mg/Kg	0.0037	0.00083	1	01/27/2023 15:34	01/27/2023 23:55	T
2-Hexanone	0.0019 U	mg/Kg	0.0037	0.0019	1	01/27/2023 15:34	01/27/2023 23:55	T
4-Chlorotoluene	0.00092 U	mg/Kg	0.0037	0.00092	1	01/27/2023 15:34	01/27/2023 23:55	T
4-Methyl-2-pentanone (MIBK)	0.00084 U	mg/Kg	0.0037	0.00084	1	01/27/2023 15:34	01/27/2023 23:55	T
Acetone	0.14	mg/Kg	0.0037	0.0027	1	01/27/2023 15:34	01/27/2023 23:55	T
Acrolein (Propenal)	0.0077 U	mg/Kg	0.019	0.0077	1	01/27/2023 15:34	01/27/2023 23:55	T
Acrylonitrile	0.00065 U	mg/Kg	0.0037	0.00065	1	01/27/2023 15:34	01/27/2023 23:55	T
Benzene	0.00062 U	mg/Kg	0.0037	0.00062	1	01/27/2023 15:34	01/27/2023 23:55	T
Bromobenzene	0.00069 U	mg/Kg	0.0037	0.00069	1	01/27/2023 15:34	01/27/2023 23:55	T
Bromochloromethane	0.00080 U	mg/Kg	0.0037	0.00080	1	01/27/2023 15:34	01/27/2023 23:55	T
Bromodichloromethane	0.00066 U	mg/Kg	0.0037	0.00066	1	01/27/2023 15:34	01/27/2023 23:55	T
Bromoform	0.0025 U	mg/Kg	0.0037	0.0025	1	01/27/2023 15:34	01/27/2023 23:55	T
Bromomethane	0.0015 U	mg/Kg	0.0037	0.0015	1	01/27/2023 15:34	01/27/2023 23:55	T
Carbon Disulfide	0.0011 U	mg/Kg	0.0037	0.0011	1	01/27/2023 15:34	01/27/2023 23:55	T
Carbon Tetrachloride	0.0010 U	mg/Kg	0.0037	0.0010	1	01/27/2023 15:34	01/27/2023 23:55	T
Chlorobenzene	0.00055 U	mg/Kg	0.0037	0.00055	1	01/27/2023 15:34	01/27/2023 23:55	T
Chloroethane	0.0018 U	mg/Kg	0.0037	0.0018	1	01/27/2023 15:34	01/27/2023 23:55	T
Chloroform	0.00076 U	mg/Kg	0.0037	0.00076	1	01/27/2023 15:34	01/27/2023 23:55	T
Chloromethane	0.00085 U	mg/Kg	0.0037	0.00085	1	01/27/2023 15:34	01/27/2023 23:55	T
Dibromochloromethane	0.0021 U	mg/Kg	0.0037	0.0021	1	01/27/2023 15:34	01/27/2023 23:55	T
Dibromomethane	0.00075 U	mg/Kg	0.0037	0.00075	1	01/27/2023 15:34	01/27/2023 23:55	T
Dichlorodifluoromethane	0.0013 U	mg/Kg	0.0037	0.0013	1	01/27/2023 15:34	01/27/2023 23:55	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880001	Date Collected: 01/26/2023 10:25				Matrix: Soil			
Sample ID: SB-1 (0-0.5)	Date Received: 01/26/2023 15:45							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00044 U	mg/Kg	0.0037	0.00044	1	01/27/2023 15:34	01/27/2023 23:55	T
Ethylene Dibromide (EDB)	0.00061 U	mg/Kg	0.0037	0.00061	1	01/27/2023 15:34	01/27/2023 23:55	T
Hexachlorobutadiene	0.0019 U	mg/Kg	0.0037	0.0019	1	01/27/2023 15:34	01/27/2023 23:55	T
Iodomethane (Methyl Iodide)	0.0026 U	mg/Kg	0.0037	0.0026	1	01/27/2023 15:34	01/27/2023 23:55	T
Isopropylbenzene	0.0055	mg/Kg	0.0037	0.00078	1	01/27/2023 15:34	01/27/2023 23:55	T
Methyl tert-butyl Ether (MTBE)	0.0012 U	mg/Kg	0.0037	0.0012	1	01/27/2023 15:34	01/27/2023 23:55	T
Methylene Chloride	0.0050 U	mg/Kg	0.0062	0.0050	1	01/27/2023 15:34	01/27/2023 23:55	T
Naphthalene	0.0017 U	mg/Kg	0.0037	0.0017	1	01/27/2023 15:34	01/27/2023 23:55	T
Styrene	0.00049 U	mg/Kg	0.0037	0.00049	1	01/27/2023 15:34	01/27/2023 23:55	T
Tetrachloroethylene (PCE)	0.00071 U	mg/Kg	0.0037	0.00071	1	01/27/2023 15:34	01/27/2023 23:55	T
Toluene	0.00046 U	mg/Kg	0.0037	0.00046	1	01/27/2023 15:34	01/27/2023 23:55	T
Trichloroethene	0.00091 U	mg/Kg	0.0037	0.00091	1	01/27/2023 15:34	01/27/2023 23:55	T
Trichlorofluoromethane	0.00082 U	mg/Kg	0.0037	0.00082	1	01/27/2023 15:34	01/27/2023 23:55	T
Vinyl Acetate	0.0018 U	mg/Kg	0.0037	0.0018	1	01/27/2023 15:34	01/27/2023 23:55	T
Vinyl Chloride	0.00072 U	mg/Kg	0.0037	0.00072	1	01/27/2023 15:34	01/27/2023 23:55	T
Xylene (Total)	0.0016 U	mg/Kg	0.0074	0.0016	1	01/27/2023 15:34	01/27/2023 23:55	T
cis-1,2-Dichloroethylene	0.00073 U	mg/Kg	0.0037	0.00073	1	01/27/2023 15:34	01/27/2023 23:55	T
cis-1,3-Dichloropropene	0.0026 U	mg/Kg	0.0037	0.0026	1	01/27/2023 15:34	01/27/2023 23:55	T
n-Butylbenzene	0.0010 U	mg/Kg	0.0037	0.0010	1	01/27/2023 15:34	01/27/2023 23:55	T
n-propylbenzene	0.00087 U	mg/Kg	0.0037	0.00087	1	01/27/2023 15:34	01/27/2023 23:55	T
sec-butylbenzene	0.00083 U	mg/Kg	0.0037	0.00083	1	01/27/2023 15:34	01/27/2023 23:55	T
tert-butylbenzene	0.0011 U	mg/Kg	0.0037	0.0011	1	01/27/2023 15:34	01/27/2023 23:55	T
trans-1,2-Dichloroethylene	0.00075 U	mg/Kg	0.0037	0.00075	1	01/27/2023 15:34	01/27/2023 23:55	T
trans-1,3-Dichloropropylene	0.0023 U	mg/Kg	0.0037	0.0023	1	01/27/2023 15:34	01/27/2023 23:55	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Analysis Results Comments

1,2,4-Trimethylbenzene

J3|Lab QC Failure

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	51	102	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	37	73	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	40	79	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.31	77	37 - 127	T^
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.31	79	33 - 134	T^
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.34	85	42 - 141	T^

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880002
Sample ID: SB-1 (0.5-2)

Date Collected: 01/26/2023 10:30
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	0.92	mg/Kg	0.31	0.16	1	01/27/2023 14:30	01/30/2023 13:51	T
Barium	11	mg/Kg	0.31	0.16	1	01/27/2023 14:30	01/30/2023 13:51	T
Cadmium	0.13	mg/Kg	0.063	0.031	1	01/27/2023 14:30	01/30/2023 13:51	T
Chromium	3.8	mg/Kg	0.31	0.25	1	01/27/2023 14:30	01/30/2023 13:51	T
Lead	17	mg/Kg	0.31	0.16	1	01/27/2023 14:30	01/30/2023 13:51	T
Selenium	0.63 U	mg/Kg	3.1	0.63	1	01/27/2023 14:30	01/30/2023 13:51	T
Silver	0.25 U	mg/Kg	0.31	0.25	1	01/27/2023 14:30	01/30/2023 13:51	T
METALS (SW-846 7471A)								
Mercury	0.037	mg/Kg	0.0061	0.0031	1	02/17/2023 20:55	02/17/2023 23:09	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0018 U	mg/Kg	0.0098	0.0018	1	02/06/2023 14:20	02/07/2023 00:25	T
2-Methylnaphthalene	0.0024 U	mg/Kg	0.0098	0.0024	1	02/06/2023 14:20	02/07/2023 00:25	T
Acenaphthene	0.017	mg/Kg	0.0098	0.0018	1	02/06/2023 14:20	02/07/2023 00:25	T
Acenaphthylene	0.012	mg/Kg	0.0098	0.0021	1	02/06/2023 14:20	02/07/2023 00:25	T
Anthracene	0.069	mg/Kg	0.0098	0.0030	1	02/06/2023 14:20	02/07/2023 00:25	T
Benzo[a]anthracene	0.37	mg/Kg	0.0098	0.0024	1	02/06/2023 14:20	02/07/2023 00:25	T
Benzo[a]pyrene	0.40	mg/Kg	0.0098	0.0020	1	02/06/2023 14:20	02/07/2023 00:25	T
Benzo[b]fluoranthene	0.58	mg/Kg	0.0098	0.0019	1	02/06/2023 14:20	02/07/2023 00:25	T
Benzo[g,h,i]perylene	0.32	mg/Kg	0.0098	0.0023	1	02/06/2023 14:20	02/07/2023 00:25	T
Benzo[k]fluoranthene	0.21	mg/Kg	0.0098	0.0028	1	02/06/2023 14:20	02/07/2023 00:25	T
Chrysene	0.44	mg/Kg	0.0098	0.0035	1	02/06/2023 14:20	02/07/2023 00:25	T
Dibenzo[a,h]anthracene	0.084	mg/Kg	0.0098	0.0020	1	02/06/2023 14:20	02/07/2023 00:25	T
Fluoranthene	0.72	mg/Kg	0.0098	0.0033	1	02/06/2023 14:20	02/07/2023 00:25	T
Fluorene	0.013	mg/Kg	0.0098	0.0025	1	02/06/2023 14:20	02/07/2023 00:25	T
Indeno(1,2,3-cd)pyrene	0.34	mg/Kg	0.0098	0.0028	1	02/06/2023 14:20	02/07/2023 00:25	T
Naphthalene	0.0020 U	mg/Kg	0.0098	0.0020	1	02/06/2023 14:20	02/07/2023 00:25	T
Phenanthrene	0.29	mg/Kg	0.0098	0.0025	1	02/06/2023 14:20	02/07/2023 00:25	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880002	Date Collected: 01/26/2023 10:30			Matrix: Soil				
Sample ID: SB-1 (0.5-2)	Date Received: 01/26/2023 15:45							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	0.69	mg/Kg	0.0098	0.0028	1	02/06/2023 14:20	02/07/2023 00:25	T
(SM 2540G)								
Percent Moisture	19	%	0.0010	0.0010	1	01/27/2023 06:00	01/27/2023 06:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1,2-Tetrachloroethane	0.0012 U	mg/Kg	0.0037	0.0012	1	01/27/2023 15:34	01/27/2023 23:03	T
1,1,1-Trichloroethane	0.00086 U	mg/Kg	0.0037	0.00086	1	01/27/2023 15:34	01/27/2023 23:03	T
1,1,2,2-Tetrachloroethane	0.00063 U	mg/Kg	0.0037	0.00063	1	01/27/2023 15:34	01/27/2023 23:03	T
1,1,2-Trichloroethane	0.00060 U	mg/Kg	0.0037	0.00060	1	01/27/2023 15:34	01/27/2023 23:03	T
1,1-Dichloroethane	0.00086 U	mg/Kg	0.0037	0.00086	1	01/27/2023 15:34	01/27/2023 23:03	T
1,1-Dichloroethylene	0.00090 U	mg/Kg	0.0037	0.00090	1	01/27/2023 15:34	01/27/2023 23:03	T
1,1-Dichloropropene	0.00060 U	mg/Kg	0.0037	0.00060	1	01/27/2023 15:34	01/27/2023 23:03	T
1,2,3-Trichlorobenzene	0.00098 U	mg/Kg	0.0037	0.00098	1	01/27/2023 15:34	01/27/2023 23:03	T
1,2,3-Trichloropropane	0.0021 U	mg/Kg	0.0037	0.0021	1	01/27/2023 15:34	01/27/2023 23:03	T
1,2,4-Trichlorobenzene	0.00080 U	mg/Kg	0.0037	0.00080	1	01/27/2023 15:34	01/27/2023 23:03	T
1,2,4-Trimethylbenzene	0.0011 U	mg/Kg	0.0037	0.0011	1	01/27/2023 15:34	01/27/2023 23:03	T
1,2-Dibromo-3-Chloropropane	0.0016 U	mg/Kg	0.0037	0.0016	1	01/27/2023 15:34	01/27/2023 23:03	T
1,2-Dichlorobenzene	0.00058 U	mg/Kg	0.0037	0.00058	1	01/27/2023 15:34	01/27/2023 23:03	T
1,2-Dichloroethane	0.00096 U	mg/Kg	0.0037	0.00096	1	01/27/2023 15:34	01/27/2023 23:03	T
1,2-Dichloropropane	0.00066 U	mg/Kg	0.0037	0.00066	1	01/27/2023 15:34	01/27/2023 23:03	T
1,3,5-Trimethylbenzene	0.00082 U	mg/Kg	0.0037	0.00082	1	01/27/2023 15:34	01/27/2023 23:03	T
1,3-Dichlorobenzene	0.00068 U	mg/Kg	0.0037	0.00068	1	01/27/2023 15:34	01/27/2023 23:03	T
1,3-Dichloropropane	0.00052 U	mg/Kg	0.0037	0.00052	1	01/27/2023 15:34	01/27/2023 23:03	T
1,4-Dichlorobenzene	0.00081 U	mg/Kg	0.0037	0.00081	1	01/27/2023 15:34	01/27/2023 23:03	T
2,2-Dichloropropane	0.0014 U	mg/Kg	0.0037	0.0014	1	01/27/2023 15:34	01/27/2023 23:03	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880002
Sample ID: SB-1 (0.5-2)

Date Collected: 01/26/2023 10:30
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.0012 U	mg/Kg	0.0037	0.0012	1	01/27/2023 15:34	01/27/2023 23:03	T
2-Chloroethyl Vinyl Ether	0.0032 U	mg/Kg	0.0037	0.0032	1	01/27/2023 15:34	01/27/2023 23:03	T
2-Chlorotoluene	0.00082 U	mg/Kg	0.0037	0.0008 2	1	01/27/2023 15:34	01/27/2023 23:03	T
2-Hexanone	0.0019 U	mg/Kg	0.0037	0.0019	1	01/27/2023 15:34	01/27/2023 23:03	T
4-Chlorotoluene	0.00091 U	mg/Kg	0.0037	0.0009 1	1	01/27/2023 15:34	01/27/2023 23:03	T
4-Methyl-2-pentanone (MIBK)	0.00083 U	mg/Kg	0.0037	0.0008 3	1	01/27/2023 15:34	01/27/2023 23:03	T
Acetone	0.025	mg/Kg	0.0037	0.0027	1	01/27/2023 15:34	01/27/2023 23:03	T
Acrolein (Propenal)	0.0076 U	mg/Kg	0.018	0.0076	1	01/27/2023 15:34	01/27/2023 23:03	T
Acrylonitrile	0.00064 U	mg/Kg	0.0037	0.0006 4	1	01/27/2023 15:34	01/27/2023 23:03	T
Benzene	0.00061 U	mg/Kg	0.0037	0.0006 1	1	01/27/2023 15:34	01/27/2023 23:03	T
Bromobenzene	0.00068 U	mg/Kg	0.0037	0.0006 8	1	01/27/2023 15:34	01/27/2023 23:03	T
Bromochloromethane	0.00079 U	mg/Kg	0.0037	0.0007 9	1	01/27/2023 15:34	01/27/2023 23:03	T
Bromodichloromethane	0.00065 U	mg/Kg	0.0037	0.0006 5	1	01/27/2023 15:34	01/27/2023 23:03	T
Bromoform	0.0025 U	mg/Kg	0.0037	0.0025	1	01/27/2023 15:34	01/27/2023 23:03	T
Bromomethane	0.0015 U	mg/Kg	0.0037	0.0015	1	01/27/2023 15:34	01/27/2023 23:03	T
Carbon Disulfide	0.0011 U	mg/Kg	0.0037	0.0011	1	01/27/2023 15:34	01/27/2023 23:03	T
Carbon Tetrachloride	0.0010 U	mg/Kg	0.0037	0.0010	1	01/27/2023 15:34	01/27/2023 23:03	T
Chlorobenzene	0.00055 U	mg/Kg	0.0037	0.0005 5	1	01/27/2023 15:34	01/27/2023 23:03	T
Chloroethane	0.0018 U	mg/Kg	0.0037	0.0018	1	01/27/2023 15:34	01/27/2023 23:03	T
Chloroform	0.00075 U	mg/Kg	0.0037	0.0007 5	1	01/27/2023 15:34	01/27/2023 23:03	T
Chloromethane	0.00084 U	mg/Kg	0.0037	0.0008 4	1	01/27/2023 15:34	01/27/2023 23:03	T
Dibromochloromethane	0.0021 U	mg/Kg	0.0037	0.0021	1	01/27/2023 15:34	01/27/2023 23:03	T
Dibromomethane	0.00074 U	mg/Kg	0.0037	0.0007 4	1	01/27/2023 15:34	01/27/2023 23:03	T
Dichlorodifluoromethane	0.0013 U	mg/Kg	0.0037	0.0013	1	01/27/2023 15:34	01/27/2023 23:03	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880002	Date Collected: 01/26/2023 10:30				Matrix: Soil			
Sample ID: SB-1 (0.5-2)	Date Received: 01/26/2023 15:45							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00044 U	mg/Kg	0.0037	0.00044	1	01/27/2023 15:34	01/27/2023 23:03	T
Ethylene Dibromide (EDB)	0.00061 U	mg/Kg	0.0037	0.00061	1	01/27/2023 15:34	01/27/2023 23:03	T
Hexachlorobutadiene	0.0019 U	mg/Kg	0.0037	0.0019	1	01/27/2023 15:34	01/27/2023 23:03	T
Iodomethane (Methyl Iodide)	0.0026 U	mg/Kg	0.0037	0.0026	1	01/27/2023 15:34	01/27/2023 23:03	T
Isopropylbenzene	0.00078 U	mg/Kg	0.0037	0.00077	1	01/27/2023 15:34	01/27/2023 23:03	T
Methyl tert-butyl Ether (MTBE)	0.0012 U	mg/Kg	0.0037	0.0012	1	01/27/2023 15:34	01/27/2023 23:03	T
Methylene Chloride	0.0049 U	mg/Kg	0.0061	0.0049	1	01/27/2023 15:34	01/27/2023 23:03	T
Naphthalene	0.0017 U	mg/Kg	0.0037	0.0017	1	01/27/2023 15:34	01/27/2023 23:03	T
Styrene	0.00049 U	mg/Kg	0.0037	0.00049	1	01/27/2023 15:34	01/27/2023 23:03	T
Tetrachloroethylene (PCE)	0.00070 U	mg/Kg	0.0037	0.00070	1	01/27/2023 15:34	01/27/2023 23:03	T
Toluene	0.00045 U	mg/Kg	0.0037	0.00045	1	01/27/2023 15:34	01/27/2023 23:03	T
Trichloroethene	0.00091 U	mg/Kg	0.0037	0.00091	1	01/27/2023 15:34	01/27/2023 23:03	T
Trichlorofluoromethane	0.00081 U	mg/Kg	0.0037	0.00081	1	01/27/2023 15:34	01/27/2023 23:03	T
Vinyl Acetate	0.0018 U	mg/Kg	0.0037	0.0018	1	01/27/2023 15:34	01/27/2023 23:03	T
Vinyl Chloride	0.00071 U	mg/Kg	0.0037	0.00071	1	01/27/2023 15:34	01/27/2023 23:03	T
Xylene (Total)	0.0016 U	mg/Kg	0.0074	0.0016	1	01/27/2023 15:34	01/27/2023 23:03	T
cis-1,2-Dichloroethylene	0.00073 U	mg/Kg	0.0037	0.00073	1	01/27/2023 15:34	01/27/2023 23:03	T
cis-1,3-Dichloropropene	0.0026 U	mg/Kg	0.0037	0.0026	1	01/27/2023 15:34	01/27/2023 23:03	T
n-Butylbenzene	0.0010 U	mg/Kg	0.0037	0.0010	1	01/27/2023 15:34	01/27/2023 23:03	T
n-propylbenzene	0.00086 U	mg/Kg	0.0037	0.00086	1	01/27/2023 15:34	01/27/2023 23:03	T
sec-butylbenzene	0.00082 U	mg/Kg	0.0037	0.00082	1	01/27/2023 15:34	01/27/2023 23:03	T
tert-butylbenzene	0.0011 U	mg/Kg	0.0037	0.0011	1	01/27/2023 15:34	01/27/2023 23:03	T
trans-1,2-Dichloroethylene	0.00075 U	mg/Kg	0.0037	0.00075	1	01/27/2023 15:34	01/27/2023 23:03	T
trans-1,3-Dichloropropylene	0.0023 U	mg/Kg	0.0037	0.0023	1	01/27/2023 15:34	01/27/2023 23:03	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Analysis Results Comments

1,2,4-Trimethylbenzene

J3|Lab QC Failure

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	54	107	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	37	73	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	39	79	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.25	64	37 - 127	T^
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.27	67	33 - 134	T^
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.32	80	42 - 141	T^

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880003
Sample ID: SB-2 (0-0.5)

Date Collected: 01/26/2023 11:00
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	0.13 U	mg/Kg	0.26	0.13	1	01/27/2023 14:30	01/30/2023 13:53	T
Barium	5.2	mg/Kg	0.26	0.13	1	01/27/2023 14:30	01/30/2023 13:53	T
Cadmium	0.11	mg/Kg	0.052	0.026	1	01/27/2023 14:30	01/30/2023 13:53	T
Chromium	1.9	mg/Kg	0.26	0.21	1	01/27/2023 14:30	01/30/2023 13:53	T
Lead	4.4	mg/Kg	0.26	0.13	1	01/27/2023 14:30	01/30/2023 13:53	T
Selenium	0.52 U	mg/Kg	2.6	0.52	1	01/27/2023 14:30	01/30/2023 13:53	T
Silver	0.21 U	mg/Kg	0.26	0.21	1	01/27/2023 14:30	01/30/2023 13:53	T
METALS (SW-846 7471A)								
Mercury	0.015	mg/Kg	0.0052	0.0026	1	02/17/2023 20:55	02/17/2023 23:12	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0016 U	mg/Kg	0.0083	0.0016	1	02/06/2023 14:20	02/06/2023 22:30	T
2-Methylnaphthalene	0.0020 U	mg/Kg	0.0083	0.0020	1	02/06/2023 14:20	02/06/2023 22:30	T
Acenaphthene	0.0015 U	mg/Kg	0.0083	0.0015	1	02/06/2023 14:20	02/06/2023 22:30	T
Acenaphthylene	0.0018 U	mg/Kg	0.0083	0.0018	1	02/06/2023 14:20	02/06/2023 22:30	T
Anthracene	0.0035 I	mg/Kg	0.0083	0.0025	1	02/06/2023 14:20	02/06/2023 22:30	T
Benzo[a]anthracene	0.022	mg/Kg	0.0083	0.0020	1	02/06/2023 14:20	02/06/2023 22:30	T
Benzo[a]pyrene	0.029	mg/Kg	0.0083	0.0017	1	02/06/2023 14:20	02/06/2023 22:30	T
Benzo[b]fluoranthene	0.044	mg/Kg	0.0083	0.0016	1	02/06/2023 14:20	02/06/2023 22:30	T
Benzo[g,h,i]perylene	0.026	mg/Kg	0.0083	0.0019	1	02/06/2023 14:20	02/06/2023 22:30	T
Benzo[k]fluoranthene	0.017	mg/Kg	0.0083	0.0024	1	02/06/2023 14:20	02/06/2023 22:30	T
Chrysene	0.033	mg/Kg	0.0083	0.0030	1	02/06/2023 14:20	02/06/2023 22:30	T
Dibenzo[a,h]anthracene	0.0062 I	mg/Kg	0.0083	0.0017	1	02/06/2023 14:20	02/06/2023 22:30	T
Fluoranthene	0.056	mg/Kg	0.0083	0.0028	1	02/06/2023 14:20	02/06/2023 22:30	T
Fluorene	0.0022 U	mg/Kg	0.0083	0.0022	1	02/06/2023 14:20	02/06/2023 22:30	T
Indeno(1,2,3-cd)pyrene	0.026	mg/Kg	0.0083	0.0024	1	02/06/2023 14:20	02/06/2023 22:30	T
Naphthalene	0.0017 U	mg/Kg	0.0083	0.0017	1	02/06/2023 14:20	02/06/2023 22:30	T
Phenanthrene	0.017	mg/Kg	0.0083	0.0022	1	02/06/2023 14:20	02/06/2023 22:30	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880003	Date Collected: 01/26/2023 11:00			Matrix: Soil				
Sample ID: SB-2 (0-0.5)	Date Received: 01/26/2023 15:45							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	0.050	mg/Kg	0.0083	0.0024	1	02/06/2023 14:20	02/06/2023 22:30	T
(SM 2540G)								
Percent Moisture	4.5	%	0.0010	0.0010	1	01/27/2023 06:00	01/27/2023 06:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1,2-Tetrachloroethane	0.0010 U	mg/Kg	0.0031	0.0010	1	01/27/2023 15:34	01/27/2023 19:58	T
1,1,1-Trichloroethane	0.00073 U	mg/Kg	0.0031	0.00073	1	01/27/2023 15:34	01/27/2023 19:58	T
1,1,2,2-Tetrachloroethane	0.00053 U	mg/Kg	0.0031	0.00053	1	01/27/2023 15:34	01/27/2023 19:58	T
1,1,2-Trichloroethane	0.00051 U	mg/Kg	0.0031	0.00051	1	01/27/2023 15:34	01/27/2023 19:58	T
1,1-Dichloroethane	0.00074 U	mg/Kg	0.0031	0.00074	1	01/27/2023 15:34	01/27/2023 19:58	T
1,1-Dichloroethylene	0.00077 U	mg/Kg	0.0031	0.00077	1	01/27/2023 15:34	01/27/2023 19:58	T
1,1-Dichloropropene	0.00051 U	mg/Kg	0.0031	0.00051	1	01/27/2023 15:34	01/27/2023 19:58	T
1,2,3-Trichlorobenzene	0.00084 U	mg/Kg	0.0031	0.00084	1	01/27/2023 15:34	01/27/2023 19:58	T
1,2,3-Trichloropropane	0.0018 U	mg/Kg	0.0031	0.0018	1	01/27/2023 15:34	01/27/2023 19:58	T
1,2,4-Trichlorobenzene	0.00068 U	mg/Kg	0.0031	0.00068	1	01/27/2023 15:34	01/27/2023 19:58	T
1,2,4-Trimethylbenzene	0.00092 U	mg/Kg	0.0031	0.00092	1	01/27/2023 15:34	01/27/2023 19:58	T
1,2-Dibromo-3-Chloropropane	0.0014 U	mg/Kg	0.0031	0.0014	1	01/27/2023 15:34	01/27/2023 19:58	T
1,2-Dichlorobenzene	0.00050 U	mg/Kg	0.0031	0.00050	1	01/27/2023 15:34	01/27/2023 19:58	T
1,2-Dichloroethane	0.00082 U	mg/Kg	0.0031	0.00082	1	01/27/2023 15:34	01/27/2023 19:58	T
1,2-Dichloropropane	0.00056 U	mg/Kg	0.0031	0.00056	1	01/27/2023 15:34	01/27/2023 19:58	T
1,3,5-Trimethylbenzene	0.00070 U	mg/Kg	0.0031	0.00070	1	01/27/2023 15:34	01/27/2023 19:58	T
1,3-Dichlorobenzene	0.00058 U	mg/Kg	0.0031	0.00058	1	01/27/2023 15:34	01/27/2023 19:58	T
1,3-Dichloropropane	0.00045 U	mg/Kg	0.0031	0.00045	1	01/27/2023 15:34	01/27/2023 19:58	T
1,4-Dichlorobenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	01/27/2023 15:34	01/27/2023 19:58	T
2,2-Dichloropropane	0.0012 U	mg/Kg	0.0031	0.0012	1	01/27/2023 15:34	01/27/2023 19:58	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880003
Sample ID: SB-2 (0-0.5)

Date Collected: 01/26/2023 11:00
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.0011 U	mg/Kg	0.0031	0.0011	1	01/27/2023 15:34	01/27/2023 19:58	T
2-Chloroethyl Vinyl Ether	0.0027 U	mg/Kg	0.0031	0.0027	1	01/27/2023 15:34	01/27/2023 19:58	T
2-Chlorotoluene	0.00070 U	mg/Kg	0.0031	0.00070	1	01/27/2023 15:34	01/27/2023 19:58	T
2-Hexanone	0.0016 U	mg/Kg	0.0031	0.0016	1	01/27/2023 15:34	01/27/2023 19:58	T
4-Chlorotoluene	0.00078 U	mg/Kg	0.0031	0.00078	1	01/27/2023 15:34	01/27/2023 19:58	T
4-Methyl-2-pentanone (MIBK)	0.00071 U	mg/Kg	0.0031	0.00071	1	01/27/2023 15:34	01/27/2023 19:58	T
Acetone	0.0023 U	mg/Kg	0.0031	0.0023	1	01/27/2023 15:34	01/27/2023 19:58	T
Acrolein (Propenal)	0.0065 U	mg/Kg	0.016	0.0065	1	01/27/2023 15:34	01/27/2023 19:58	T
Acrylonitrile	0.00055 U	mg/Kg	0.0031	0.00055	1	01/27/2023 15:34	01/27/2023 19:58	T
Benzene	0.00052 U	mg/Kg	0.0031	0.00052	1	01/27/2023 15:34	01/27/2023 19:58	T
Bromobenzene	0.00058 U	mg/Kg	0.0031	0.00058	1	01/27/2023 15:34	01/27/2023 19:58	T
Bromochloromethane	0.00067 U	mg/Kg	0.0031	0.00067	1	01/27/2023 15:34	01/27/2023 19:58	T
Bromodichloromethane	0.00055 U	mg/Kg	0.0031	0.00055	1	01/27/2023 15:34	01/27/2023 19:58	T
Bromoform	0.0021 U	mg/Kg	0.0031	0.0021	1	01/27/2023 15:34	01/27/2023 19:58	T
Bromomethane	0.0013 U	mg/Kg	0.0031	0.0013	1	01/27/2023 15:34	01/27/2023 19:58	T
Carbon Disulfide	0.00090 U	mg/Kg	0.0031	0.00090	1	01/27/2023 15:34	01/27/2023 19:58	T
Carbon Tetrachloride	0.00089 U	mg/Kg	0.0031	0.00089	1	01/27/2023 15:34	01/27/2023 19:58	T
Chlorobenzene	0.00047 U	mg/Kg	0.0031	0.00047	1	01/27/2023 15:34	01/27/2023 19:58	T
Chloroethane	0.0016 U	mg/Kg	0.0031	0.0016	1	01/27/2023 15:34	01/27/2023 19:58	T
Chloroform	0.00064 U	mg/Kg	0.0031	0.00064	1	01/27/2023 15:34	01/27/2023 19:58	T
Chloromethane	0.00072 U	mg/Kg	0.0031	0.00072	1	01/27/2023 15:34	01/27/2023 19:58	T
Dibromochloromethane	0.0018 U	mg/Kg	0.0031	0.0018	1	01/27/2023 15:34	01/27/2023 19:58	T
Dibromomethane	0.00063 U	mg/Kg	0.0031	0.00063	1	01/27/2023 15:34	01/27/2023 19:58	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0031	0.0011	1	01/27/2023 15:34	01/27/2023 19:58	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880003
Sample ID: SB-2 (0-0.5)

Date Collected: 01/26/2023 11:00
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00037 U	mg/Kg	0.0031	0.00037	1	01/27/2023 15:34	01/27/2023 19:58	T
Ethylene Dibromide (EDB)	0.00052 U	mg/Kg	0.0031	0.00052	1	01/27/2023 15:34	01/27/2023 19:58	T
Hexachlorobutadiene	0.0016 U	mg/Kg	0.0031	0.0016	1	01/27/2023 15:34	01/27/2023 19:58	T
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0031	0.0022	1	01/27/2023 15:34	01/27/2023 19:58	T
Isopropylbenzene	0.00066 U	mg/Kg	0.0031	0.00066	1	01/27/2023 15:34	01/27/2023 19:58	T
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0031	0.0010	1	01/27/2023 15:34	01/27/2023 19:58	T
Methylene Chloride	0.0042 U	mg/Kg	0.0052	0.0042	1	01/27/2023 15:34	01/27/2023 19:58	T
Naphthalene	0.0015 U	mg/Kg	0.0031	0.0015	1	01/27/2023 15:34	01/27/2023 19:58	T
Styrene	0.00042 U	mg/Kg	0.0031	0.00042	1	01/27/2023 15:34	01/27/2023 19:58	T
Tetrachloroethylene (PCE)	0.00060 U	mg/Kg	0.0031	0.00060	1	01/27/2023 15:34	01/27/2023 19:58	T
Toluene	0.00039 U	mg/Kg	0.0031	0.00039	1	01/27/2023 15:34	01/27/2023 19:58	T
Trichloroethene	0.00077 U	mg/Kg	0.0031	0.00077	1	01/27/2023 15:34	01/27/2023 19:58	T
Trichlorofluoromethane	0.00069 U	mg/Kg	0.0031	0.00069	1	01/27/2023 15:34	01/27/2023 19:58	T
Vinyl Acetate	0.0015 U	mg/Kg	0.0031	0.0015	1	01/27/2023 15:34	01/27/2023 19:58	T
Vinyl Chloride	0.00060 U	mg/Kg	0.0031	0.00060	1	01/27/2023 15:34	01/27/2023 19:58	T
Xylene (Total)	0.0014 U	mg/Kg	0.0063	0.0014	1	01/27/2023 15:34	01/27/2023 19:58	T
cis-1,2-Dichloroethylene	0.00062 U	mg/Kg	0.0031	0.00062	1	01/27/2023 15:34	01/27/2023 19:58	T
cis-1,3-Dichloropropene	0.0022 U	mg/Kg	0.0031	0.0022	1	01/27/2023 15:34	01/27/2023 19:58	T
n-Butylbenzene	0.00085 U	mg/Kg	0.0031	0.00085	1	01/27/2023 15:34	01/27/2023 19:58	T
n-propylbenzene	0.00073 U	mg/Kg	0.0031	0.00073	1	01/27/2023 15:34	01/27/2023 19:58	T
sec-butylbenzene	0.00070 U	mg/Kg	0.0031	0.00070	1	01/27/2023 15:34	01/27/2023 19:58	T
tert-butylbenzene	0.00095 U	mg/Kg	0.0031	0.00095	1	01/27/2023 15:34	01/27/2023 19:58	T
trans-1,2-Dichloroethylene	0.00064 U	mg/Kg	0.0031	0.00064	1	01/27/2023 15:34	01/27/2023 19:58	T
trans-1,3-Dichloropropylene	0.0019 U	mg/Kg	0.0031	0.0019	1	01/27/2023 15:34	01/27/2023 19:58	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880003 Date Collected: 01/26/2023 11:00 Matrix: Soil
Sample ID: SB-2 (0-0.5) Date Received: 01/26/2023 15:45

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
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Analysis Results Comments

1,2,4-Trimethylbenzene

J3|Lab QC Failure

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	50	100	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	36	72	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	39	79	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.27	67	37 - 127	T^
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.27	68	33 - 134	T^
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.32	81	42 - 141	T^

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880004
Sample ID: SB-2 (0.5-2)

Date Collected: 01/26/2023 11:05
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	0.13 U	mg/Kg	0.26	0.13	1	01/27/2023 14:30	01/30/2023 13:56	T
Barium	1.3	mg/Kg	0.26	0.13	1	01/27/2023 14:30	01/30/2023 13:56	T
Cadmium	0.031 I	mg/Kg	0.052	0.026	1	01/27/2023 14:30	01/30/2023 13:56	T
Chromium	0.32	mg/Kg	0.26	0.21	1	01/27/2023 14:30	01/30/2023 13:56	T
Lead	0.72	mg/Kg	0.26	0.13	1	01/27/2023 14:30	01/30/2023 13:56	T
Selenium	0.52 U	mg/Kg	2.6	0.52	1	01/27/2023 14:30	01/30/2023 13:56	T
Silver	0.21 U	mg/Kg	0.26	0.21	1	01/27/2023 14:30	01/30/2023 13:56	T
METALS (SW-846 7471A)								
Mercury	0.016	mg/Kg	0.0053	0.0026	1	02/17/2023 20:55	02/17/2023 23:14	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0016 U	mg/Kg	0.0083	0.0016	1	02/06/2023 14:20	02/06/2023 22:59	T
2-Methylnaphthalene	0.0020 U	mg/Kg	0.0083	0.0020	1	02/06/2023 14:20	02/06/2023 22:59	T
Acenaphthene	0.0015 U	mg/Kg	0.0083	0.0015	1	02/06/2023 14:20	02/06/2023 22:59	T
Acenaphthylene	0.0018 U	mg/Kg	0.0083	0.0018	1	02/06/2023 14:20	02/06/2023 22:59	T
Anthracene	0.0025 U	mg/Kg	0.0083	0.0025	1	02/06/2023 14:20	02/06/2023 22:59	T
Benzo[a]anthracene	0.018	mg/Kg	0.0083	0.0020	1	02/06/2023 14:20	02/06/2023 22:59	T
Benzo[a]pyrene	0.028	mg/Kg	0.0083	0.0017	1	02/06/2023 14:20	02/06/2023 22:59	T
Benzo[b]fluoranthene	0.043	mg/Kg	0.0083	0.0016	1	02/06/2023 14:20	02/06/2023 22:59	T
Benzo[g,h,i]perylene	0.026	mg/Kg	0.0083	0.0019	1	02/06/2023 14:20	02/06/2023 22:59	T
Benzo[k]fluoranthene	0.016	mg/Kg	0.0083	0.0024	1	02/06/2023 14:20	02/06/2023 22:59	T
Chrysene	0.029	mg/Kg	0.0083	0.0029	1	02/06/2023 14:20	02/06/2023 22:59	T
Dibenzo[a,h]anthracene	0.0062 I	mg/Kg	0.0083	0.0017	1	02/06/2023 14:20	02/06/2023 22:59	T
Fluoranthene	0.042	mg/Kg	0.0083	0.0028	1	02/06/2023 14:20	02/06/2023 22:59	T
Fluorene	0.0022 U	mg/Kg	0.0083	0.0022	1	02/06/2023 14:20	02/06/2023 22:59	T
Indeno(1,2,3-cd)pyrene	0.026	mg/Kg	0.0083	0.0024	1	02/06/2023 14:20	02/06/2023 22:59	T
Naphthalene	0.0017 U	mg/Kg	0.0083	0.0017	1	02/06/2023 14:20	02/06/2023 22:59	T
Phenanthrene	0.0089	mg/Kg	0.0083	0.0022	1	02/06/2023 14:20	02/06/2023 22:59	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880004
Sample ID: SB-2 (0.5-2)

Date Collected: 01/26/2023 11:05
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	0.039	mg/Kg	0.0083	0.0024	1	02/06/2023 14:20	02/06/2023 22:59	T
(SM 2540G)								
Percent Moisture	4.8	%	0.0010	0.0010	1	01/27/2023 06:00	01/27/2023 06:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1,2-Tetrachloroethane	0.0010 U	mg/Kg	0.0032	0.0010	1	01/27/2023 15:34	01/27/2023 23:29	T
1,1,1-Trichloroethane	0.00073 U	mg/Kg	0.0032	0.00073	1	01/27/2023 15:34	01/27/2023 23:29	T
1,1,2,2-Tetrachloroethane	0.00054 U	mg/Kg	0.0032	0.00054	1	01/27/2023 15:34	01/27/2023 23:29	T
1,1,2-Trichloroethane	0.00051 U	mg/Kg	0.0032	0.00051	1	01/27/2023 15:34	01/27/2023 23:29	T
1,1-Dichloroethane	0.00074 U	mg/Kg	0.0032	0.00074	1	01/27/2023 15:34	01/27/2023 23:29	T
1,1-Dichloroethylene	0.00077 U	mg/Kg	0.0032	0.00077	1	01/27/2023 15:34	01/27/2023 23:29	T
1,1-Dichloropropene	0.00051 U	mg/Kg	0.0032	0.00051	1	01/27/2023 15:34	01/27/2023 23:29	T
1,2,3-Trichlorobenzene	0.00084 U	mg/Kg	0.0032	0.00084	1	01/27/2023 15:34	01/27/2023 23:29	T
1,2,3-Trichloropropane	0.0018 U	mg/Kg	0.0032	0.0018	1	01/27/2023 15:34	01/27/2023 23:29	T
1,2,4-Trichlorobenzene	0.00069 U	mg/Kg	0.0032	0.00069	1	01/27/2023 15:34	01/27/2023 23:29	T
1,2,4-Trimethylbenzene	0.00093 U	mg/Kg	0.0032	0.00093	1	01/27/2023 15:34	01/27/2023 23:29	T
1,2-Dibromo-3-Chloropropane	0.0014 U	mg/Kg	0.0032	0.0014	1	01/27/2023 15:34	01/27/2023 23:29	T
1,2-Dichlorobenzene	0.00050 U	mg/Kg	0.0032	0.00050	1	01/27/2023 15:34	01/27/2023 23:29	T
1,2-Dichloroethane	0.00082 U	mg/Kg	0.0032	0.00082	1	01/27/2023 15:34	01/27/2023 23:29	T
1,2-Dichloropropane	0.00056 U	mg/Kg	0.0032	0.00056	1	01/27/2023 15:34	01/27/2023 23:29	T
1,3,5-Trimethylbenzene	0.00070 U	mg/Kg	0.0032	0.00070	1	01/27/2023 15:34	01/27/2023 23:29	T
1,3-Dichlorobenzene	0.00058 U	mg/Kg	0.0032	0.00058	1	01/27/2023 15:34	01/27/2023 23:29	T
1,3-Dichloropropane	0.00045 U	mg/Kg	0.0032	0.00045	1	01/27/2023 15:34	01/27/2023 23:29	T
1,4-Dichlorobenzene	0.00070 U	mg/Kg	0.0032	0.00070	1	01/27/2023 15:34	01/27/2023 23:29	T
2,2-Dichloropropane	0.0012 U	mg/Kg	0.0032	0.0012	1	01/27/2023 15:34	01/27/2023 23:29	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880004
Sample ID: SB-2 (0.5-2)

Date Collected: 01/26/2023 11:05
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.0011 U	mg/Kg	0.0032	0.0011	1	01/27/2023 15:34	01/27/2023 23:29	T
2-Chloroethyl Vinyl Ether	0.0027 U	mg/Kg	0.0032	0.0027	1	01/27/2023 15:34	01/27/2023 23:29	T
2-Chlorotoluene	0.00070 U	mg/Kg	0.0032	0.00070	1	01/27/2023 15:34	01/27/2023 23:29	T
2-Hexanone	0.0016 U	mg/Kg	0.0032	0.0016	1	01/27/2023 15:34	01/27/2023 23:29	T
4-Chlorotoluene	0.00078 U	mg/Kg	0.0032	0.00078	1	01/27/2023 15:34	01/27/2023 23:29	T
4-Methyl-2-pentanone (MIBK)	0.00071 U	mg/Kg	0.0032	0.00071	1	01/27/2023 15:34	01/27/2023 23:29	T
Acetone	0.019	mg/Kg	0.0032	0.0023	1	01/27/2023 15:34	01/27/2023 23:29	T
Acrolein (Propenal)	0.0065 U	mg/Kg	0.016	0.0065	1	01/27/2023 15:34	01/27/2023 23:29	T
Acrylonitrile	0.00055 U	mg/Kg	0.0032	0.00055	1	01/27/2023 15:34	01/27/2023 23:29	T
Benzene	0.00052 U	mg/Kg	0.0032	0.00052	1	01/27/2023 15:34	01/27/2023 23:29	T
Bromobenzene	0.00058 U	mg/Kg	0.0032	0.00058	1	01/27/2023 15:34	01/27/2023 23:29	T
Bromochloromethane	0.00068 U	mg/Kg	0.0032	0.00068	1	01/27/2023 15:34	01/27/2023 23:29	T
Bromodichloromethane	0.00056 U	mg/Kg	0.0032	0.00056	1	01/27/2023 15:34	01/27/2023 23:29	T
Bromoform	0.0021 U	mg/Kg	0.0032	0.0021	1	01/27/2023 15:34	01/27/2023 23:29	T
Bromomethane	0.0013 U	mg/Kg	0.0032	0.0013	1	01/27/2023 15:34	01/27/2023 23:29	T
Carbon Disulfide	0.00090 U	mg/Kg	0.0032	0.00090	1	01/27/2023 15:34	01/27/2023 23:29	T
Carbon Tetrachloride	0.00089 U	mg/Kg	0.0032	0.00089	1	01/27/2023 15:34	01/27/2023 23:29	T
Chlorobenzene	0.00047 U	mg/Kg	0.0032	0.00047	1	01/27/2023 15:34	01/27/2023 23:29	T
Chloroethane	0.0016 U	mg/Kg	0.0032	0.0016	1	01/27/2023 15:34	01/27/2023 23:29	T
Chloroform	0.00064 U	mg/Kg	0.0032	0.00064	1	01/27/2023 15:34	01/27/2023 23:29	T
Chloromethane	0.00072 U	mg/Kg	0.0032	0.00072	1	01/27/2023 15:34	01/27/2023 23:29	T
Dibromochloromethane	0.0018 U	mg/Kg	0.0032	0.0018	1	01/27/2023 15:34	01/27/2023 23:29	T
Dibromomethane	0.00064 U	mg/Kg	0.0032	0.00064	1	01/27/2023 15:34	01/27/2023 23:29	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0032	0.0011	1	01/27/2023 15:34	01/27/2023 23:29	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880004
Sample ID: SB-2 (0.5-2)

Date Collected: 01/26/2023 11:05
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00037 U	mg/Kg	0.0032	0.00037	1	01/27/2023 15:34	01/27/2023 23:29	T
Ethylene Dibromide (EDB)	0.00052 U	mg/Kg	0.0032	0.00052	1	01/27/2023 15:34	01/27/2023 23:29	T
Hexachlorobutadiene	0.0016 U	mg/Kg	0.0032	0.0016	1	01/27/2023 15:34	01/27/2023 23:29	T
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0032	0.0022	1	01/27/2023 15:34	01/27/2023 23:29	T
Isopropylbenzene	0.00066 U	mg/Kg	0.0032	0.00066	1	01/27/2023 15:34	01/27/2023 23:29	T
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0032	0.0010	1	01/27/2023 15:34	01/27/2023 23:29	T
Methylene Chloride	0.0042 U	mg/Kg	0.0053	0.0042	1	01/27/2023 15:34	01/27/2023 23:29	T
Naphthalene	0.0015 U	mg/Kg	0.0032	0.0015	1	01/27/2023 15:34	01/27/2023 23:29	T
Styrene	0.00042 U	mg/Kg	0.0032	0.00042	1	01/27/2023 15:34	01/27/2023 23:29	T
Tetrachloroethylene (PCE)	0.00060 U	mg/Kg	0.0032	0.00060	1	01/27/2023 15:34	01/27/2023 23:29	T
Toluene	0.00039 U	mg/Kg	0.0032	0.00039	1	01/27/2023 15:34	01/27/2023 23:29	T
Trichloroethene	0.00077 U	mg/Kg	0.0032	0.00077	1	01/27/2023 15:34	01/27/2023 23:29	T
Trichlorofluoromethane	0.00070 U	mg/Kg	0.0032	0.00070	1	01/27/2023 15:34	01/27/2023 23:29	T
Vinyl Acetate	0.0015 U	mg/Kg	0.0032	0.0015	1	01/27/2023 15:34	01/27/2023 23:29	T
Vinyl Chloride	0.00061 U	mg/Kg	0.0032	0.00061	1	01/27/2023 15:34	01/27/2023 23:29	T
Xylene (Total)	0.0014 U	mg/Kg	0.0063	0.0014	1	01/27/2023 15:34	01/27/2023 23:29	T
cis-1,2-Dichloroethylene	0.00062 U	mg/Kg	0.0032	0.00062	1	01/27/2023 15:34	01/27/2023 23:29	T
cis-1,3-Dichloropropene	0.0022 U	mg/Kg	0.0032	0.0022	1	01/27/2023 15:34	01/27/2023 23:29	T
n-Butylbenzene	0.00086 U	mg/Kg	0.0032	0.00086	1	01/27/2023 15:34	01/27/2023 23:29	T
n-propylbenzene	0.00073 U	mg/Kg	0.0032	0.00073	1	01/27/2023 15:34	01/27/2023 23:29	T
sec-butylbenzene	0.00070 U	mg/Kg	0.0032	0.00070	1	01/27/2023 15:34	01/27/2023 23:29	T
tert-butylbenzene	0.00095 U	mg/Kg	0.0032	0.00095	1	01/27/2023 15:34	01/27/2023 23:29	T
trans-1,2-Dichloroethylene	0.00064 U	mg/Kg	0.0032	0.00064	1	01/27/2023 15:34	01/27/2023 23:29	T
trans-1,3-Dichloropropylene	0.0019 U	mg/Kg	0.0032	0.0019	1	01/27/2023 15:34	01/27/2023 23:29	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880004 Date Collected: 01/26/2023 11:05 Matrix: Soil
Sample ID: SB-2 (0.5-2) Date Received: 01/26/2023 15:45

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
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Analysis Results Comments

1,2,4-Trimethylbenzene

J3|Lab QC Failure

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	51	102	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	37	74	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	40	80	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.39	0.26	66	37 - 127	T^
Nitrobenzene-d5 (S)	mg/Kg	0.39	0.26	66	33 - 134	T^
p-Terphenyl-d14 (S)	mg/Kg	0.39	0.32	82	42 - 141	T^

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880005
Sample ID: SB-3 (0-0.5)

Date Collected: 01/26/2023 11:30
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	0.56	mg/Kg	0.28	0.14	1	01/27/2023 14:30	01/30/2023 13:58	T
Barium	18	mg/Kg	0.28	0.14	1	01/27/2023 14:30	01/30/2023 13:58	T
Cadmium	0.24	mg/Kg	0.056	0.028	1	01/27/2023 14:30	01/30/2023 13:58	T
Chromium	5.2	mg/Kg	0.28	0.22	1	01/27/2023 14:30	01/30/2023 13:58	T
Lead	9.8	mg/Kg	0.28	0.14	1	01/27/2023 14:30	01/30/2023 13:58	T
Selenium	0.56 U	mg/Kg	2.8	0.56	1	01/27/2023 14:30	01/30/2023 13:58	T
Silver	0.22 U	mg/Kg	0.28	0.22	1	01/27/2023 14:30	01/30/2023 13:58	T
METALS (SW-846 7471A)								
Mercury	0.018	mg/Kg	0.0054	0.0027	1	02/17/2023 20:55	02/17/2023 23:16	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0016 U	mg/Kg	0.0086	0.0016	1	02/06/2023 14:20	02/07/2023 00:54	T
2-Methylnaphthalene	0.0021 U	mg/Kg	0.0086	0.0021	1	02/06/2023 14:20	02/07/2023 00:54	T
Acenaphthene	0.0016 U	mg/Kg	0.0086	0.0016	1	02/06/2023 14:20	02/07/2023 00:54	T
Acenaphthylene	0.0027 I	mg/Kg	0.0086	0.0019	1	02/06/2023 14:20	02/07/2023 00:54	T
Anthracene	0.0085 I	mg/Kg	0.0086	0.0026	1	02/06/2023 14:20	02/07/2023 00:54	T
Benzo[a]anthracene	0.094	mg/Kg	0.0086	0.0021	1	02/06/2023 14:20	02/07/2023 00:54	T
Benzo[a]pyrene	0.14	mg/Kg	0.0086	0.0018	1	02/06/2023 14:20	02/07/2023 00:54	T
Benzo[b]fluoranthene	0.23	mg/Kg	0.0086	0.0017	1	02/06/2023 14:20	02/07/2023 00:54	T
Benzo[g,h,i]perylene	0.13	mg/Kg	0.0086	0.0020	1	02/06/2023 14:20	02/07/2023 00:54	T
Benzo[k]fluoranthene	0.081	mg/Kg	0.0086	0.0025	1	02/06/2023 14:20	02/07/2023 00:54	T
Chrysene	0.15	mg/Kg	0.0086	0.0031	1	02/06/2023 14:20	02/07/2023 00:54	T
Dibenzo[a,h]anthracene	0.032	mg/Kg	0.0086	0.0017	1	02/06/2023 14:20	02/07/2023 00:54	T
Fluoranthene	0.22	mg/Kg	0.0086	0.0029	1	02/06/2023 14:20	02/07/2023 00:54	T
Fluorene	0.0022 U	mg/Kg	0.0086	0.0022	1	02/06/2023 14:20	02/07/2023 00:54	T
Indeno(1,2,3-cd)pyrene	0.14	mg/Kg	0.0086	0.0025	1	02/06/2023 14:20	02/07/2023 00:54	T
Naphthalene	0.0018 U	mg/Kg	0.0086	0.0018	1	02/06/2023 14:20	02/07/2023 00:54	T
Phenanthrene	0.045	mg/Kg	0.0086	0.0022	1	02/06/2023 14:20	02/07/2023 00:54	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880005	Date Collected: 01/26/2023 11:30			Matrix: Soil				
Sample ID: SB-3 (0-0.5)	Date Received: 01/26/2023 15:45							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	0.19	mg/Kg	0.0086	0.0024	1	02/06/2023 14:20	02/07/2023 00:54	T
(SM 2540G)								
Percent Moisture	8.1	%	0.0010	0.0010	1	01/27/2023 06:00	01/27/2023 06:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1,2-Tetrachloroethane	0.0010 U	mg/Kg	0.0033	0.0010	1	01/27/2023 15:34	01/27/2023 20:24	T
1,1,1-Trichloroethane	0.00076 U	mg/Kg	0.0033	0.00076	1	01/27/2023 15:34	01/27/2023 20:24	T
1,1,2,2-Tetrachloroethane	0.00056 U	mg/Kg	0.0033	0.00056	1	01/27/2023 15:34	01/27/2023 20:24	T
1,1,2-Trichloroethane	0.00053 U	mg/Kg	0.0033	0.00053	1	01/27/2023 15:34	01/27/2023 20:24	T
1,1-Dichloroethane	0.00076 U	mg/Kg	0.0033	0.00076	1	01/27/2023 15:34	01/27/2023 20:24	T
1,1-Dichloroethylene	0.00080 U	mg/Kg	0.0033	0.00080	1	01/27/2023 15:34	01/27/2023 20:24	T
1,1-Dichloropropene	0.00053 U	mg/Kg	0.0033	0.00053	1	01/27/2023 15:34	01/27/2023 20:24	T
1,2,3-Trichlorobenzene	0.00087 U	mg/Kg	0.0033	0.00087	1	01/27/2023 15:34	01/27/2023 20:24	T
1,2,3-Trichloropropane	0.0018 U	mg/Kg	0.0033	0.0018	1	01/27/2023 15:34	01/27/2023 20:24	T
1,2,4-Trichlorobenzene	0.00071 U	mg/Kg	0.0033	0.00071	1	01/27/2023 15:34	01/27/2023 20:24	T
1,2,4-Trimethylbenzene	0.00096 U	mg/Kg	0.0033	0.00096	1	01/27/2023 15:34	01/27/2023 20:24	T
1,2-Dibromo-3-Chloropropane	0.0014 U	mg/Kg	0.0033	0.0014	1	01/27/2023 15:34	01/27/2023 20:24	T
1,2-Dichlorobenzene	0.00052 U	mg/Kg	0.0033	0.00052	1	01/27/2023 15:34	01/27/2023 20:24	T
1,2-Dichloroethane	0.00085 U	mg/Kg	0.0033	0.00085	1	01/27/2023 15:34	01/27/2023 20:24	T
1,2-Dichloropropane	0.00058 U	mg/Kg	0.0033	0.00058	1	01/27/2023 15:34	01/27/2023 20:24	T
1,3,5-Trimethylbenzene	0.00073 U	mg/Kg	0.0033	0.00073	1	01/27/2023 15:34	01/27/2023 20:24	T
1,3-Dichlorobenzene	0.00060 U	mg/Kg	0.0033	0.00060	1	01/27/2023 15:34	01/27/2023 20:24	T
1,3-Dichloropropane	0.00046 U	mg/Kg	0.0033	0.00046	1	01/27/2023 15:34	01/27/2023 20:24	T
1,4-Dichlorobenzene	0.00072 U	mg/Kg	0.0033	0.00072	1	01/27/2023 15:34	01/27/2023 20:24	T
2,2-Dichloropropane	0.0013 U	mg/Kg	0.0033	0.0013	1	01/27/2023 15:34	01/27/2023 20:24	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880005
Sample ID: SB-3 (0-0.5)

Date Collected: 01/26/2023 11:30
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.0011 U	mg/Kg	0.0033	0.0011	1	01/27/2023 15:34	01/27/2023 20:24	T
2-Chloroethyl Vinyl Ether	0.0028 U	mg/Kg	0.0033	0.0028	1	01/27/2023 15:34	01/27/2023 20:24	T
2-Chlorotoluene	0.00073 U	mg/Kg	0.0033	0.00073	1	01/27/2023 15:34	01/27/2023 20:24	T
2-Hexanone	0.0017 U	mg/Kg	0.0033	0.0017	1	01/27/2023 15:34	01/27/2023 20:24	T
4-Chlorotoluene	0.00081 U	mg/Kg	0.0033	0.00081	1	01/27/2023 15:34	01/27/2023 20:24	T
4-Methyl-2-pentanone (MIBK)	0.00074 U	mg/Kg	0.0033	0.00074	1	01/27/2023 15:34	01/27/2023 20:24	T
Acetone	0.0024 U	mg/Kg	0.0033	0.0024	1	01/27/2023 15:34	01/27/2023 20:24	T
Acrolein (Propenal)	0.0068 U	mg/Kg	0.016	0.0068	1	01/27/2023 15:34	01/27/2023 20:24	T
Acrylonitrile	0.00057 U	mg/Kg	0.0033	0.00057	1	01/27/2023 15:34	01/27/2023 20:24	T
Benzene	0.00054 U	mg/Kg	0.0033	0.00054	1	01/27/2023 15:34	01/27/2023 20:24	T
Bromobenzene	0.00060 U	mg/Kg	0.0033	0.00060	1	01/27/2023 15:34	01/27/2023 20:24	T
Bromochloromethane	0.00070 U	mg/Kg	0.0033	0.00070	1	01/27/2023 15:34	01/27/2023 20:24	T
Bromodichloromethane	0.00058 U	mg/Kg	0.0033	0.00058	1	01/27/2023 15:34	01/27/2023 20:24	T
Bromoform	0.0022 U	mg/Kg	0.0033	0.0022	1	01/27/2023 15:34	01/27/2023 20:24	T
Bromomethane	0.0014 U	mg/Kg	0.0033	0.0014	1	01/27/2023 15:34	01/27/2023 20:24	T
Carbon Disulfide	0.00093 U	mg/Kg	0.0033	0.00093	1	01/27/2023 15:34	01/27/2023 20:24	T
Carbon Tetrachloride	0.00092 U	mg/Kg	0.0033	0.00092	1	01/27/2023 15:34	01/27/2023 20:24	T
Chlorobenzene	0.00048 U	mg/Kg	0.0033	0.00048	1	01/27/2023 15:34	01/27/2023 20:24	T
Chloroethane	0.0016 U	mg/Kg	0.0033	0.0016	1	01/27/2023 15:34	01/27/2023 20:24	T
Chloroform	0.00067 U	mg/Kg	0.0033	0.00067	1	01/27/2023 15:34	01/27/2023 20:24	T
Chloromethane	0.00075 U	mg/Kg	0.0033	0.00075	1	01/27/2023 15:34	01/27/2023 20:24	T
Dibromochloromethane	0.0019 U	mg/Kg	0.0033	0.0019	1	01/27/2023 15:34	01/27/2023 20:24	T
Dibromomethane	0.00066 U	mg/Kg	0.0033	0.00066	1	01/27/2023 15:34	01/27/2023 20:24	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0033	0.0011	1	01/27/2023 15:34	01/27/2023 20:24	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880005	Date Collected: 01/26/2023 11:30				Matrix: Soil				
Sample ID: SB-3 (0-0.5)	Date Received: 01/26/2023 15:45								
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab	
Ethylbenzene	0.00039 U	mg/Kg	0.0033	0.00039	1	01/27/2023 15:34	01/27/2023 20:24	T	
Ethylene Dibromide (EDB)	0.00054 U	mg/Kg	0.0033	0.00054	1	01/27/2023 15:34	01/27/2023 20:24	T	
Hexachlorobutadiene	0.0017 U	mg/Kg	0.0033	0.0017	1	01/27/2023 15:34	01/27/2023 20:24	T	
Iodomethane (Methyl Iodide)	0.0023 U	mg/Kg	0.0033	0.0023	1	01/27/2023 15:34	01/27/2023 20:24	T	
Isopropylbenzene	0.00068 U	mg/Kg	0.0033	0.00068	1	01/27/2023 15:34	01/27/2023 20:24	T	
Methyl tert-butyl Ether (MTBE)	0.0011 U	mg/Kg	0.0033	0.0011	1	01/27/2023 15:34	01/27/2023 20:24	T	
Methylene Chloride	0.0044 U	mg/Kg	0.0054	0.0044	1	01/27/2023 15:34	01/27/2023 20:24	T	
Naphthalene	0.0015 U	mg/Kg	0.0033	0.0015	1	01/27/2023 15:34	01/27/2023 20:24	T	
Styrene	0.00043 U	mg/Kg	0.0033	0.00043	1	01/27/2023 15:34	01/27/2023 20:24	T	
Tetrachloroethylene (PCE)	0.00062 U	mg/Kg	0.0033	0.00062	1	01/27/2023 15:34	01/27/2023 20:24	T	
Toluene	0.00040 U	mg/Kg	0.0033	0.00040	1	01/27/2023 15:34	01/27/2023 20:24	T	
Trichloroethene	0.00080 U	mg/Kg	0.0033	0.00080	1	01/27/2023 15:34	01/27/2023 20:24	T	
Trichlorofluoromethane	0.00072 U	mg/Kg	0.0033	0.00072	1	01/27/2023 15:34	01/27/2023 20:24	T	
Vinyl Acetate	0.0016 U	mg/Kg	0.0033	0.0016	1	01/27/2023 15:34	01/27/2023 20:24	T	
Vinyl Chloride	0.00063 U	mg/Kg	0.0033	0.00063	1	01/27/2023 15:34	01/27/2023 20:24	T	
Xylene (Total)	0.0014 U	mg/Kg	0.0065	0.0014	1	01/27/2023 15:34	01/27/2023 20:24	T	
cis-1,2-Dichloroethylene	0.00064 U	mg/Kg	0.0033	0.00064	1	01/27/2023 15:34	01/27/2023 20:24	T	
cis-1,3-Dichloropropene	0.0023 U	mg/Kg	0.0033	0.0023	1	01/27/2023 15:34	01/27/2023 20:24	T	
n-Butylbenzene	0.00089 U	mg/Kg	0.0033	0.00089	1	01/27/2023 15:34	01/27/2023 20:24	T	
n-propylbenzene	0.00076 U	mg/Kg	0.0033	0.00076	1	01/27/2023 15:34	01/27/2023 20:24	T	
sec-butylbenzene	0.00073 U	mg/Kg	0.0033	0.00073	1	01/27/2023 15:34	01/27/2023 20:24	T	
tert-butylbenzene	0.00099 U	mg/Kg	0.0033	0.00099	1	01/27/2023 15:34	01/27/2023 20:24	T	
trans-1,2-Dichloroethylene	0.00066 U	mg/Kg	0.0033	0.00066	1	01/27/2023 15:34	01/27/2023 20:24	T	
trans-1,3-Dichloropropylene	0.0020 U	mg/Kg	0.0033	0.0020	1	01/27/2023 15:34	01/27/2023 20:24	T	

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880005 Date Collected: 01/26/2023 11:30 Matrix: Soil
Sample ID: SB-3 (0-0.5) Date Received: 01/26/2023 15:45

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
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Analysis Results Comments

1,2,4-Trimethylbenzene

J3|Lab QC Failure

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	50	100	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	36	72	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	40	79	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.25	63	37 - 127	T^
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.25	64	33 - 134	T^
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.32	81	42 - 141	T^

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID:	T2301880006	Date Collected:	01/26/2023 11:35			Matrix:	Soil	
Sample ID:	SB-3 (0.5-2)	Date Received:	01/26/2023 15:45					
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	0.87	mg/Kg	0.28	0.14	1	01/27/2023 14:30	01/30/2023 14:00	T
Barium	16	mg/Kg	0.28	0.14	1	01/27/2023 14:30	01/30/2023 14:00	T
Cadmium	0.15	mg/Kg	0.055	0.028	1	01/27/2023 14:30	01/30/2023 14:00	T
Chromium	3.9	mg/Kg	0.28	0.22	1	01/27/2023 14:30	01/30/2023 14:00	T
Lead	9.3	mg/Kg	0.28	0.14	1	01/27/2023 14:30	01/30/2023 14:00	T
Selenium	0.55 U	mg/Kg	2.8	0.55	1	01/27/2023 14:30	01/30/2023 14:00	T
Silver	0.22 U	mg/Kg	0.28	0.22	1	01/27/2023 14:30	01/30/2023 14:00	T
METALS (SW-846 7471A)								
Mercury	0.011	mg/Kg	0.0052	0.0026	1	02/17/2023 20:55	02/17/2023 23:18	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0016 U	mg/Kg	0.0084	0.0016	1	02/06/2023 14:20	02/06/2023 23:28	T
2-Methylnaphthalene	0.0021 U	mg/Kg	0.0084	0.0021	1	02/06/2023 14:20	02/06/2023 23:28	T
Acenaphthene	0.0015 U	mg/Kg	0.0084	0.0015	1	02/06/2023 14:20	02/06/2023 23:28	T
Acenaphthylene	0.0018 U	mg/Kg	0.0084	0.0018	1	02/06/2023 14:20	02/06/2023 23:28	T
Anthracene	0.0039 I	mg/Kg	0.0084	0.0026	1	02/06/2023 14:20	02/06/2023 23:28	T
Benzo[a]anthracene	0.034	mg/Kg	0.0084	0.0020	1	02/06/2023 14:20	02/06/2023 23:28	T
Benzo[a]pyrene	0.051	mg/Kg	0.0084	0.0017	1	02/06/2023 14:20	02/06/2023 23:28	T
Benzo[b]fluoranthene	0.080	mg/Kg	0.0084	0.0016	1	02/06/2023 14:20	02/06/2023 23:28	T
Benzo[g,h,i]perylene	0.047	mg/Kg	0.0084	0.0020	1	02/06/2023 14:20	02/06/2023 23:28	T
Benzo[k]fluoranthene	0.030	mg/Kg	0.0084	0.0024	1	02/06/2023 14:20	02/06/2023 23:28	T
Chrysene	0.052	mg/Kg	0.0084	0.0030	1	02/06/2023 14:20	02/06/2023 23:28	T
Dibenzo[a,h]anthracene	0.011	mg/Kg	0.0084	0.0017	1	02/06/2023 14:20	02/06/2023 23:28	T
Fluoranthene	0.082	mg/Kg	0.0084	0.0028	1	02/06/2023 14:20	02/06/2023 23:28	T
Fluorene	0.0022 U	mg/Kg	0.0084	0.0022	1	02/06/2023 14:20	02/06/2023 23:28	T
Indeno(1,2,3-cd)pyrene	0.051	mg/Kg	0.0084	0.0024	1	02/06/2023 14:20	02/06/2023 23:28	T
Naphthalene	0.0017 U	mg/Kg	0.0084	0.0017	1	02/06/2023 14:20	02/06/2023 23:28	T
Phenanthrene	0.020	mg/Kg	0.0084	0.0022	1	02/06/2023 14:20	02/06/2023 23:28	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880006
Sample ID: SB-3 (0.5-2)

Date Collected: 01/26/2023 11:35
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	0.075	mg/Kg	0.0084	0.0024	1	02/06/2023 14:20	02/06/2023 23:28	T
(SM 2540G)								
Percent Moisture	5.4	%	0.0010	0.0010	1	01/27/2023 06:00	01/27/2023 06:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1,2-Tetrachloroethane	0.0010 U	mg/Kg	0.0032	0.0010	1	01/27/2023 15:34	01/27/2023 20:51	T
1,1,1-Trichloroethane	0.00074 U	mg/Kg	0.0032	0.00074	1	01/27/2023 15:34	01/27/2023 20:51	T
1,1,2,2-Tetrachloroethane	0.00054 U	mg/Kg	0.0032	0.00054	1	01/27/2023 15:34	01/27/2023 20:51	T
1,1,2-Trichloroethane	0.00051 U	mg/Kg	0.0032	0.00051	1	01/27/2023 15:34	01/27/2023 20:51	T
1,1-Dichloroethane	0.00074 U	mg/Kg	0.0032	0.00074	1	01/27/2023 15:34	01/27/2023 20:51	T
1,1-Dichloroethylene	0.00078 U	mg/Kg	0.0032	0.00078	1	01/27/2023 15:34	01/27/2023 20:51	T
1,1-Dichloropropene	0.00051 U	mg/Kg	0.0032	0.00051	1	01/27/2023 15:34	01/27/2023 20:51	T
1,2,3-Trichlorobenzene	0.00085 U	mg/Kg	0.0032	0.00085	1	01/27/2023 15:34	01/27/2023 20:51	T
1,2,3-Trichloropropane	0.0018 U	mg/Kg	0.0032	0.0018	1	01/27/2023 15:34	01/27/2023 20:51	T
1,2,4-Trichlorobenzene	0.00069 U	mg/Kg	0.0032	0.00069	1	01/27/2023 15:34	01/27/2023 20:51	T
1,2,4-Trimethylbenzene	0.00093 U	mg/Kg	0.0032	0.00093	1	01/27/2023 15:34	01/27/2023 20:51	T
1,2-Dibromo-3-Chloropropane	0.0014 U	mg/Kg	0.0032	0.0014	1	01/27/2023 15:34	01/27/2023 20:51	T
1,2-Dichlorobenzene	0.00050 U	mg/Kg	0.0032	0.00050	1	01/27/2023 15:34	01/27/2023 20:51	T
1,2-Dichloroethane	0.00083 U	mg/Kg	0.0032	0.00083	1	01/27/2023 15:34	01/27/2023 20:51	T
1,2-Dichloropropane	0.00057 U	mg/Kg	0.0032	0.00057	1	01/27/2023 15:34	01/27/2023 20:51	T
1,3,5-Trimethylbenzene	0.00071 U	mg/Kg	0.0032	0.00071	1	01/27/2023 15:34	01/27/2023 20:51	T
1,3-Dichlorobenzene	0.00058 U	mg/Kg	0.0032	0.00058	1	01/27/2023 15:34	01/27/2023 20:51	T
1,3-Dichloropropane	0.00045 U	mg/Kg	0.0032	0.00045	1	01/27/2023 15:34	01/27/2023 20:51	T
1,4-Dichlorobenzene	0.00070 U	mg/Kg	0.0032	0.00070	1	01/27/2023 15:34	01/27/2023 20:51	T
2,2-Dichloropropane	0.0012 U	mg/Kg	0.0032	0.0012	1	01/27/2023 15:34	01/27/2023 20:51	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880006
Sample ID: SB-3 (0.5-2)

Date Collected: 01/26/2023 11:35
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.0011 U	mg/Kg	0.0032	0.0011	1	01/27/2023 15:34	01/27/2023 20:51	T
2-Chloroethyl Vinyl Ether	0.0028 U	mg/Kg	0.0032	0.0028	1	01/27/2023 15:34	01/27/2023 20:51	T
2-Chlorotoluene	0.00071 U	mg/Kg	0.0032	0.00071	1	01/27/2023 15:34	01/27/2023 20:51	T
2-Hexanone	0.0016 U	mg/Kg	0.0032	0.0016	1	01/27/2023 15:34	01/27/2023 20:51	T
4-Chlorotoluene	0.00079 U	mg/Kg	0.0032	0.00079	1	01/27/2023 15:34	01/27/2023 20:51	T
4-Methyl-2-pentanone (MIBK)	0.00071 U	mg/Kg	0.0032	0.00071	1	01/27/2023 15:34	01/27/2023 20:51	T
Acetone	0.023	mg/Kg	0.0032	0.0023	1	01/27/2023 15:34	01/27/2023 20:51	T
Acrolein (Propenal)	0.0066 U	mg/Kg	0.016	0.0066	1	01/27/2023 15:34	01/27/2023 20:51	T
Acrylonitrile	0.00055 U	mg/Kg	0.0032	0.00055	1	01/27/2023 15:34	01/27/2023 20:51	T
Benzene	0.00053 U	mg/Kg	0.0032	0.00053	1	01/27/2023 15:34	01/27/2023 20:51	T
Bromobenzene	0.00059 U	mg/Kg	0.0032	0.00059	1	01/27/2023 15:34	01/27/2023 20:51	T
Bromochloromethane	0.00068 U	mg/Kg	0.0032	0.00068	1	01/27/2023 15:34	01/27/2023 20:51	T
Bromodichloromethane	0.00056 U	mg/Kg	0.0032	0.00056	1	01/27/2023 15:34	01/27/2023 20:51	T
Bromoform	0.0021 U	mg/Kg	0.0032	0.0021	1	01/27/2023 15:34	01/27/2023 20:51	T
Bromomethane	0.0013 U	mg/Kg	0.0032	0.0013	1	01/27/2023 15:34	01/27/2023 20:51	T
Carbon Disulfide	0.00090 U	mg/Kg	0.0032	0.00090	1	01/27/2023 15:34	01/27/2023 20:51	T
Carbon Tetrachloride	0.00089 U	mg/Kg	0.0032	0.00089	1	01/27/2023 15:34	01/27/2023 20:51	T
Chlorobenzene	0.00047 U	mg/Kg	0.0032	0.00047	1	01/27/2023 15:34	01/27/2023 20:51	T
Chloroethane	0.0016 U	mg/Kg	0.0032	0.0016	1	01/27/2023 15:34	01/27/2023 20:51	T
Chloroform	0.00065 U	mg/Kg	0.0032	0.00065	1	01/27/2023 15:34	01/27/2023 20:51	T
Chloromethane	0.00073 U	mg/Kg	0.0032	0.00073	1	01/27/2023 15:34	01/27/2023 20:51	T
Dibromochloromethane	0.0018 U	mg/Kg	0.0032	0.0018	1	01/27/2023 15:34	01/27/2023 20:51	T
Dibromomethane	0.00064 U	mg/Kg	0.0032	0.00064	1	01/27/2023 15:34	01/27/2023 20:51	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0032	0.0011	1	01/27/2023 15:34	01/27/2023 20:51	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880006	Date Collected: 01/26/2023 11:35				Matrix: Soil			
Sample ID: SB-3 (0.5-2)	Date Received: 01/26/2023 15:45							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00038 U	mg/Kg	0.0032	0.00038	1	01/27/2023 15:34	01/27/2023 20:51	T
Ethylene Dibromide (EDB)	0.00052 U	mg/Kg	0.0032	0.00052	1	01/27/2023 15:34	01/27/2023 20:51	T
Hexachlorobutadiene	0.0016 U	mg/Kg	0.0032	0.0016	1	01/27/2023 15:34	01/27/2023 20:51	T
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0032	0.0022	1	01/27/2023 15:34	01/27/2023 20:51	T
Isopropylbenzene	0.00066 U	mg/Kg	0.0032	0.00066	1	01/27/2023 15:34	01/27/2023 20:51	T
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0032	0.0010	1	01/27/2023 15:34	01/27/2023 20:51	T
Methylene Chloride	0.0043 U	mg/Kg	0.0053	0.0043	1	01/27/2023 15:34	01/27/2023 20:51	T
Naphthalene	0.0015 U	mg/Kg	0.0032	0.0015	1	01/27/2023 15:34	01/27/2023 20:51	T
Styrene	0.00042 U	mg/Kg	0.0032	0.00042	1	01/27/2023 15:34	01/27/2023 20:51	T
Tetrachloroethylene (PCE)	0.00060 U	mg/Kg	0.0032	0.00060	1	01/27/2023 15:34	01/27/2023 20:51	T
Toluene	0.00039 U	mg/Kg	0.0032	0.00039	1	01/27/2023 15:34	01/27/2023 20:51	T
Trichloroethene	0.00078 U	mg/Kg	0.0032	0.00078	1	01/27/2023 15:34	01/27/2023 20:51	T
Trichlorofluoromethane	0.00070 U	mg/Kg	0.0032	0.00070	1	01/27/2023 15:34	01/27/2023 20:51	T
Vinyl Acetate	0.0015 U	mg/Kg	0.0032	0.0015	1	01/27/2023 15:34	01/27/2023 20:51	T
Vinyl Chloride	0.00061 U	mg/Kg	0.0032	0.00061	1	01/27/2023 15:34	01/27/2023 20:51	T
Xylene (Total)	0.0014 U	mg/Kg	0.0063	0.0014	1	01/27/2023 15:34	01/27/2023 20:51	T
cis-1,2-Dichloroethylene	0.00062 U	mg/Kg	0.0032	0.00062	1	01/27/2023 15:34	01/27/2023 20:51	T
cis-1,3-Dichloropropene	0.0023 U	mg/Kg	0.0032	0.0023	1	01/27/2023 15:34	01/27/2023 20:51	T
n-Butylbenzene	0.00086 U	mg/Kg	0.0032	0.00086	1	01/27/2023 15:34	01/27/2023 20:51	T
n-propylbenzene	0.00074 U	mg/Kg	0.0032	0.00074	1	01/27/2023 15:34	01/27/2023 20:51	T
sec-butylbenzene	0.00071 U	mg/Kg	0.0032	0.00071	1	01/27/2023 15:34	01/27/2023 20:51	T
tert-butylbenzene	0.00096 U	mg/Kg	0.0032	0.00096	1	01/27/2023 15:34	01/27/2023 20:51	T
trans-1,2-Dichloroethylene	0.00064 U	mg/Kg	0.0032	0.00064	1	01/27/2023 15:34	01/27/2023 20:51	T
trans-1,3-Dichloropropylene	0.0019 U	mg/Kg	0.0032	0.0019	1	01/27/2023 15:34	01/27/2023 20:51	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880006 Date Collected: 01/26/2023 11:35 Matrix: Soil
Sample ID: SB-3 (0.5-2) Date Received: 01/26/2023 15:45

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
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Analysis Results Comments

1,2,4-Trimethylbenzene

J3|Lab QC Failure

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	52	103	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	36	73	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	40	80	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.25	63	37 - 127	T^
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.26	66	33 - 134	T^
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.33	82	42 - 141	T^

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880007
Sample ID: SB-4 (0-0.5)

Date Collected: 01/26/2023 12:15
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	0.33	mg/Kg	0.27	0.13	1	01/27/2023 14:30	01/30/2023 14:03	T
Barium	3.2	mg/Kg	0.27	0.13	1	01/27/2023 14:30	01/30/2023 14:03	T
Cadmium	0.098	mg/Kg	0.053	0.027	1	01/27/2023 14:30	01/30/2023 14:03	T
Chromium	2.3	mg/Kg	0.27	0.21	1	01/27/2023 14:30	01/30/2023 14:03	T
Lead	4.2	mg/Kg	0.27	0.13	1	01/27/2023 14:30	01/30/2023 14:03	T
Selenium	0.53 U	mg/Kg	2.7	0.53	1	01/27/2023 14:30	01/30/2023 14:03	T
Silver	0.21 U	mg/Kg	0.27	0.21	1	01/27/2023 14:30	01/30/2023 14:03	T
METALS (SW-846 7471A)								
Mercury	0.016	mg/Kg	0.0053	0.0027	1	02/17/2023 20:55	02/17/2023 23:20	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0016 U	mg/Kg	0.0083	0.0016	1	02/06/2023 14:20	02/07/2023 01:23	T
2-Methylnaphthalene	0.0020 U	mg/Kg	0.0083	0.0020	1	02/06/2023 14:20	02/07/2023 01:23	T
Acenaphthene	0.0015 U	mg/Kg	0.0083	0.0015	1	02/06/2023 14:20	02/07/2023 01:23	T
Acenaphthylene	0.0026 I	mg/Kg	0.0083	0.0018	1	02/06/2023 14:20	02/07/2023 01:23	T
Anthracene	0.0064 I	mg/Kg	0.0083	0.0025	1	02/06/2023 14:20	02/07/2023 01:23	T
Benzo[a]anthracene	0.057	mg/Kg	0.0083	0.0020	1	02/06/2023 14:20	02/07/2023 01:23	T
Benzo[a]pyrene	0.088	mg/Kg	0.0083	0.0017	1	02/06/2023 14:20	02/07/2023 01:23	T
Benzo[b]fluoranthene	0.14	mg/Kg	0.0083	0.0016	1	02/06/2023 14:20	02/07/2023 01:23	T
Benzo[g,h,i]perylene	0.080	mg/Kg	0.0083	0.0019	1	02/06/2023 14:20	02/07/2023 01:23	T
Benzo[k]fluoranthene	0.051	mg/Kg	0.0083	0.0024	1	02/06/2023 14:20	02/07/2023 01:23	T
Chrysene	0.092	mg/Kg	0.0083	0.0030	1	02/06/2023 14:20	02/07/2023 01:23	T
Dibenzo[a,h]anthracene	0.020	mg/Kg	0.0083	0.0017	1	02/06/2023 14:20	02/07/2023 01:23	T
Fluoranthene	0.14	mg/Kg	0.0083	0.0028	1	02/06/2023 14:20	02/07/2023 01:23	T
Fluorene	0.0022 U	mg/Kg	0.0083	0.0022	1	02/06/2023 14:20	02/07/2023 01:23	T
Indeno(1,2,3-cd)pyrene	0.086	mg/Kg	0.0083	0.0024	1	02/06/2023 14:20	02/07/2023 01:23	T
Naphthalene	0.0017 U	mg/Kg	0.0083	0.0017	1	02/06/2023 14:20	02/07/2023 01:23	T
Phenanthrene	0.027	mg/Kg	0.0083	0.0022	1	02/06/2023 14:20	02/07/2023 01:23	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880007
Sample ID: SB-4 (0-0.5)

Date Collected: 01/26/2023 12:15
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	0.12	mg/Kg	0.0083	0.0024	1	02/06/2023 14:20	02/07/2023 01:23	T
(SM 2540G)								
Percent Moisture	4.5	%	0.0010	0.0010	1	01/27/2023 06:00	01/27/2023 06:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1,2-Tetrachloroethane	0.0010 U	mg/Kg	0.0031	0.0010	1	01/27/2023 15:34	01/27/2023 21:17	T
1,1,1-Trichloroethane	0.00073 U	mg/Kg	0.0031	0.00073	1	01/27/2023 15:34	01/27/2023 21:17	T
1,1,2,2-Tetrachloroethane	0.00053 U	mg/Kg	0.0031	0.00053	1	01/27/2023 15:34	01/27/2023 21:17	T
1,1,2-Trichloroethane	0.00051 U	mg/Kg	0.0031	0.00051	1	01/27/2023 15:34	01/27/2023 21:17	T
1,1-Dichloroethane	0.00073 U	mg/Kg	0.0031	0.00073	1	01/27/2023 15:34	01/27/2023 21:17	T
1,1-Dichloroethylene	0.00077 U	mg/Kg	0.0031	0.00077	1	01/27/2023 15:34	01/27/2023 21:17	T
1,1-Dichloropropene	0.00051 U	mg/Kg	0.0031	0.00051	1	01/27/2023 15:34	01/27/2023 21:17	T
1,2,3-Trichlorobenzene	0.00084 U	mg/Kg	0.0031	0.00084	1	01/27/2023 15:34	01/27/2023 21:17	T
1,2,3-Trichloropropane	0.0018 U	mg/Kg	0.0031	0.0018	1	01/27/2023 15:34	01/27/2023 21:17	T
1,2,4-Trichlorobenzene	0.00068 U	mg/Kg	0.0031	0.00068	1	01/27/2023 15:34	01/27/2023 21:17	T
1,2,4-Trimethylbenzene	0.00092 U	mg/Kg	0.0031	0.00092	1	01/27/2023 15:34	01/27/2023 21:17	T
1,2-Dibromo-3-Chloropropane	0.0014 U	mg/Kg	0.0031	0.0014	1	01/27/2023 15:34	01/27/2023 21:17	T
1,2-Dichlorobenzene	0.00050 U	mg/Kg	0.0031	0.00050	1	01/27/2023 15:34	01/27/2023 21:17	T
1,2-Dichloroethane	0.00082 U	mg/Kg	0.0031	0.00082	1	01/27/2023 15:34	01/27/2023 21:17	T
1,2-Dichloropropane	0.00056 U	mg/Kg	0.0031	0.00056	1	01/27/2023 15:34	01/27/2023 21:17	T
1,3,5-Trimethylbenzene	0.00070 U	mg/Kg	0.0031	0.00070	1	01/27/2023 15:34	01/27/2023 21:17	T
1,3-Dichlorobenzene	0.00058 U	mg/Kg	0.0031	0.00058	1	01/27/2023 15:34	01/27/2023 21:17	T
1,3-Dichloropropane	0.00045 U	mg/Kg	0.0031	0.00045	1	01/27/2023 15:34	01/27/2023 21:17	T
1,4-Dichlorobenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	01/27/2023 15:34	01/27/2023 21:17	T
2,2-Dichloropropane	0.0012 U	mg/Kg	0.0031	0.0012	1	01/27/2023 15:34	01/27/2023 21:17	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880007
Sample ID: SB-4 (0-0.5)

Date Collected: 01/26/2023 12:15
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.0011 U	mg/Kg	0.0031	0.0011	1	01/27/2023 15:34	01/27/2023 21:17	T
2-Chloroethyl Vinyl Ether	0.0027 U	mg/Kg	0.0031	0.0027	1	01/27/2023 15:34	01/27/2023 21:17	T
2-Chlorotoluene	0.00070 U	mg/Kg	0.0031	0.00070	1	01/27/2023 15:34	01/27/2023 21:17	T
2-Hexanone	0.0016 U	mg/Kg	0.0031	0.0016	1	01/27/2023 15:34	01/27/2023 21:17	T
4-Chlorotoluene	0.00078 U	mg/Kg	0.0031	0.00078	1	01/27/2023 15:34	01/27/2023 21:17	T
4-Methyl-2-pentanone (MIBK)	0.00071 U	mg/Kg	0.0031	0.00071	1	01/27/2023 15:34	01/27/2023 21:17	T
Acetone	0.0023 U	mg/Kg	0.0031	0.0023	1	01/27/2023 15:34	01/27/2023 21:17	T
Acrolein (Propenal)	0.0065 U	mg/Kg	0.016	0.0065	1	01/27/2023 15:34	01/27/2023 21:17	T
Acrylonitrile	0.00055 U	mg/Kg	0.0031	0.00055	1	01/27/2023 15:34	01/27/2023 21:17	T
Benzene	0.00052 U	mg/Kg	0.0031	0.00052	1	01/27/2023 15:34	01/27/2023 21:17	T
Bromobenzene	0.00058 U	mg/Kg	0.0031	0.00058	1	01/27/2023 15:34	01/27/2023 21:17	T
Bromochloromethane	0.00067 U	mg/Kg	0.0031	0.00067	1	01/27/2023 15:34	01/27/2023 21:17	T
Bromodichloromethane	0.00055 U	mg/Kg	0.0031	0.00055	1	01/27/2023 15:34	01/27/2023 21:17	T
Bromoform	0.0021 U	mg/Kg	0.0031	0.0021	1	01/27/2023 15:34	01/27/2023 21:17	T
Bromomethane	0.0013 U	mg/Kg	0.0031	0.0013	1	01/27/2023 15:34	01/27/2023 21:17	T
Carbon Disulfide	0.00090 U	mg/Kg	0.0031	0.00090	1	01/27/2023 15:34	01/27/2023 21:17	T
Carbon Tetrachloride	0.00088 U	mg/Kg	0.0031	0.00088	1	01/27/2023 15:34	01/27/2023 21:17	T
Chlorobenzene	0.00047 U	mg/Kg	0.0031	0.00047	1	01/27/2023 15:34	01/27/2023 21:17	T
Chloroethane	0.0016 U	mg/Kg	0.0031	0.0016	1	01/27/2023 15:34	01/27/2023 21:17	T
Chloroform	0.00064 U	mg/Kg	0.0031	0.00064	1	01/27/2023 15:34	01/27/2023 21:17	T
Chloromethane	0.00072 U	mg/Kg	0.0031	0.00072	1	01/27/2023 15:34	01/27/2023 21:17	T
Dibromochloromethane	0.0018 U	mg/Kg	0.0031	0.0018	1	01/27/2023 15:34	01/27/2023 21:17	T
Dibromomethane	0.00063 U	mg/Kg	0.0031	0.00063	1	01/27/2023 15:34	01/27/2023 21:17	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0031	0.0011	1	01/27/2023 15:34	01/27/2023 21:17	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880007	Date Collected: 01/26/2023 12:15				Matrix: Soil			
Sample ID: SB-4 (0-0.5)	Date Received: 01/26/2023 15:45							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00037 U	mg/Kg	0.0031	0.00037	1	01/27/2023 15:34	01/27/2023 21:17	T
Ethylene Dibromide (EDB)	0.00052 U	mg/Kg	0.0031	0.00052	1	01/27/2023 15:34	01/27/2023 21:17	T
Hexachlorobutadiene	0.0016 U	mg/Kg	0.0031	0.0016	1	01/27/2023 15:34	01/27/2023 21:17	T
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0031	0.0022	1	01/27/2023 15:34	01/27/2023 21:17	T
Isopropylbenzene	0.00066 U	mg/Kg	0.0031	0.00066	1	01/27/2023 15:34	01/27/2023 21:17	T
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0031	0.0010	1	01/27/2023 15:34	01/27/2023 21:17	T
Methylene Chloride	0.0042 U	mg/Kg	0.0052	0.0042	1	01/27/2023 15:34	01/27/2023 21:17	T
Naphthalene	0.0015 U	mg/Kg	0.0031	0.0015	1	01/27/2023 15:34	01/27/2023 21:17	T
Styrene	0.00042 U	mg/Kg	0.0031	0.00042	1	01/27/2023 15:34	01/27/2023 21:17	T
Tetrachloroethylene (PCE)	0.00060 U	mg/Kg	0.0031	0.00060	1	01/27/2023 15:34	01/27/2023 21:17	T
Toluene	0.00039 U	mg/Kg	0.0031	0.00039	1	01/27/2023 15:34	01/27/2023 21:17	T
Trichloroethene	0.00077 U	mg/Kg	0.0031	0.00077	1	01/27/2023 15:34	01/27/2023 21:17	T
Trichlorofluoromethane	0.00069 U	mg/Kg	0.0031	0.00069	1	01/27/2023 15:34	01/27/2023 21:17	T
Vinyl Acetate	0.0015 U	mg/Kg	0.0031	0.0015	1	01/27/2023 15:34	01/27/2023 21:17	T
Vinyl Chloride	0.00060 U	mg/Kg	0.0031	0.00060	1	01/27/2023 15:34	01/27/2023 21:17	T
Xylene (Total)	0.0014 U	mg/Kg	0.0063	0.0014	1	01/27/2023 15:34	01/27/2023 21:17	T
cis-1,2-Dichloroethylene	0.00062 U	mg/Kg	0.0031	0.00062	1	01/27/2023 15:34	01/27/2023 21:17	T
cis-1,3-Dichloropropene	0.0022 U	mg/Kg	0.0031	0.0022	1	01/27/2023 15:34	01/27/2023 21:17	T
n-Butylbenzene	0.00085 U	mg/Kg	0.0031	0.00085	1	01/27/2023 15:34	01/27/2023 21:17	T
n-propylbenzene	0.00073 U	mg/Kg	0.0031	0.00073	1	01/27/2023 15:34	01/27/2023 21:17	T
sec-butylbenzene	0.00070 U	mg/Kg	0.0031	0.00070	1	01/27/2023 15:34	01/27/2023 21:17	T
tert-butylbenzene	0.00095 U	mg/Kg	0.0031	0.00095	1	01/27/2023 15:34	01/27/2023 21:17	T
trans-1,2-Dichloroethylene	0.00064 U	mg/Kg	0.0031	0.00064	1	01/27/2023 15:34	01/27/2023 21:17	T
trans-1,3-Dichloropropylene	0.0019 U	mg/Kg	0.0031	0.0019	1	01/27/2023 15:34	01/27/2023 21:17	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880007 Date Collected: 01/26/2023 12:15 Matrix: Soil
Sample ID: SB-4 (0-0.5) Date Received: 01/26/2023 15:45

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
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Analysis Results Comments

1,2,4-Trimethylbenzene

J3|Lab QC Failure

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	52	104	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	36	73	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	40	79	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.20	50	37 - 127	T^
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.18	46	33 - 134	T^
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.29	73	42 - 141	T^

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880008	Date Collected: 01/26/2023 12:20			Matrix: Soil				
Sample ID: SB-4 (0.5-2)	Date Received: 01/26/2023 15:45							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	0.42	mg/Kg	0.26	0.13	1	01/27/2023 14:30	01/30/2023 14:05	T
Barium	3.6	mg/Kg	0.26	0.13	1	01/27/2023 14:30	01/30/2023 14:05	T
Cadmium	0.047 I	mg/Kg	0.051	0.026	1	01/27/2023 14:30	01/30/2023 14:05	T
Chromium	2.2	mg/Kg	0.26	0.20	1	01/27/2023 14:30	01/30/2023 14:05	T
Lead	3.1	mg/Kg	0.26	0.13	1	01/27/2023 14:30	01/30/2023 14:05	T
Selenium	0.51 U	mg/Kg	2.6	0.51	1	01/27/2023 14:30	01/30/2023 14:05	T
Silver	0.20 U	mg/Kg	0.26	0.20	1	01/27/2023 14:30	01/30/2023 14:05	T
METALS (SW-846 7471A)								
Mercury	0.010	mg/Kg	0.0051	0.0025	1	02/17/2023 20:55	02/17/2023 23:27	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0015 U	mg/Kg	0.0081	0.0015	1	02/06/2023 14:20	02/06/2023 23:57	T
2-Methylnaphthalene	0.0020 U	mg/Kg	0.0081	0.0020	1	02/06/2023 14:20	02/06/2023 23:57	T
Acenaphthene	0.0015 U	mg/Kg	0.0081	0.0015	1	02/06/2023 14:20	02/06/2023 23:57	T
Acenaphthylene	0.0018 U	mg/Kg	0.0081	0.0018	1	02/06/2023 14:20	02/06/2023 23:57	T
Anthracene	0.0031 I	mg/Kg	0.0081	0.0025	1	02/06/2023 14:20	02/06/2023 23:57	T
Benzo[a]anthracene	0.010	mg/Kg	0.0081	0.0020	1	02/06/2023 14:20	02/06/2023 23:57	T
Benzo[a]pyrene	0.010	mg/Kg	0.0081	0.0017	1	02/06/2023 14:20	02/06/2023 23:57	T
Benzo[b]fluoranthene	0.014	mg/Kg	0.0081	0.0016	1	02/06/2023 14:20	02/06/2023 23:57	T
Benzo[g,h,i]perylene	0.0085	mg/Kg	0.0081	0.0019	1	02/06/2023 14:20	02/06/2023 23:57	T
Benzo[k]fluoranthene	0.0055 I	mg/Kg	0.0081	0.0023	1	02/06/2023 14:20	02/06/2023 23:57	T
Chrysene	0.011	mg/Kg	0.0081	0.0029	1	02/06/2023 14:20	02/06/2023 23:57	T
Dibenzo[a,h]anthracene	0.0021 I	mg/Kg	0.0081	0.0016	1	02/06/2023 14:20	02/06/2023 23:57	T
Fluoranthene	0.023	mg/Kg	0.0081	0.0027	1	02/06/2023 14:20	02/06/2023 23:57	T
Fluorene	0.0021 U	mg/Kg	0.0081	0.0021	1	02/06/2023 14:20	02/06/2023 23:57	T
Indeno(1,2,3-cd)pyrene	0.0088	mg/Kg	0.0081	0.0023	1	02/06/2023 14:20	02/06/2023 23:57	T
Naphthalene	0.0017 U	mg/Kg	0.0081	0.0017	1	02/06/2023 14:20	02/06/2023 23:57	T
Phenanthrene	0.013	mg/Kg	0.0081	0.0021	1	02/06/2023 14:20	02/06/2023 23:57	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880008
Sample ID: SB-4 (0.5-2)

Date Collected: 01/26/2023 12:20
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	0.023	mg/Kg	0.0081	0.0023	1	02/06/2023 14:20	02/06/2023 23:57	T
(SM 2540G)								
Percent Moisture	3.3	%	0.0010	0.0010	1	01/27/2023 06:00	01/27/2023 06:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1,2-Tetrachloroethane	0.0010 U	mg/Kg	0.0031	0.0010	1	01/27/2023 15:34	01/27/2023 21:43	T
1,1,1-Trichloroethane	0.00072 U	mg/Kg	0.0031	0.00072	1	01/27/2023 15:34	01/27/2023 21:43	T
1,1,2,2-Tetrachloroethane	0.00053 U	mg/Kg	0.0031	0.00053	1	01/27/2023 15:34	01/27/2023 21:43	T
1,1,2-Trichloroethane	0.00050 U	mg/Kg	0.0031	0.00050	1	01/27/2023 15:34	01/27/2023 21:43	T
1,1-Dichloroethane	0.00073 U	mg/Kg	0.0031	0.00073	1	01/27/2023 15:34	01/27/2023 21:43	T
1,1-Dichloroethylene	0.00076 U	mg/Kg	0.0031	0.00076	1	01/27/2023 15:34	01/27/2023 21:43	T
1,1-Dichloropropene	0.00050 U	mg/Kg	0.0031	0.00050	1	01/27/2023 15:34	01/27/2023 21:43	T
1,2,3-Trichlorobenzene	0.00083 U	mg/Kg	0.0031	0.00083	1	01/27/2023 15:34	01/27/2023 21:43	T
1,2,3-Trichloropropane	0.0017 U	mg/Kg	0.0031	0.0017	1	01/27/2023 15:34	01/27/2023 21:43	T
1,2,4-Trichlorobenzene	0.00067 U	mg/Kg	0.0031	0.00067	1	01/27/2023 15:34	01/27/2023 21:43	T
1,2,4-Trimethylbenzene	0.00091 U	mg/Kg	0.0031	0.00091	1	01/27/2023 15:34	01/27/2023 21:43	T
1,2-Dibromo-3-Chloropropane	0.0013 U	mg/Kg	0.0031	0.0013	1	01/27/2023 15:34	01/27/2023 21:43	T
1,2-Dichlorobenzene	0.00049 U	mg/Kg	0.0031	0.00049	1	01/27/2023 15:34	01/27/2023 21:43	T
1,2-Dichloroethane	0.00081 U	mg/Kg	0.0031	0.00081	1	01/27/2023 15:34	01/27/2023 21:43	T
1,2-Dichloropropane	0.00056 U	mg/Kg	0.0031	0.00056	1	01/27/2023 15:34	01/27/2023 21:43	T
1,3,5-Trimethylbenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	01/27/2023 15:34	01/27/2023 21:43	T
1,3-Dichlorobenzene	0.00057 U	mg/Kg	0.0031	0.00057	1	01/27/2023 15:34	01/27/2023 21:43	T
1,3-Dichloropropane	0.00044 U	mg/Kg	0.0031	0.00044	1	01/27/2023 15:34	01/27/2023 21:43	T
1,4-Dichlorobenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	01/27/2023 15:34	01/27/2023 21:43	T
2,2-Dichloropropane	0.0012 U	mg/Kg	0.0031	0.0012	1	01/27/2023 15:34	01/27/2023 21:43	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880008
Sample ID: SB-4 (0.5-2)

Date Collected: 01/26/2023 12:20
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.0010 U	mg/Kg	0.0031	0.0010	1	01/27/2023 15:34	01/27/2023 21:43	T
2-Chloroethyl Vinyl Ether	0.0027 U	mg/Kg	0.0031	0.0027	1	01/27/2023 15:34	01/27/2023 21:43	T
2-Chlorotoluene	0.00069 U	mg/Kg	0.0031	0.00069	1	01/27/2023 15:34	01/27/2023 21:43	T
2-Hexanone	0.0016 U	mg/Kg	0.0031	0.0016	1	01/27/2023 15:34	01/27/2023 21:43	T
4-Chlorotoluene	0.00077 U	mg/Kg	0.0031	0.00077	1	01/27/2023 15:34	01/27/2023 21:43	T
4-Methyl-2-pentanone (MIBK)	0.00070 U	mg/Kg	0.0031	0.00070	1	01/27/2023 15:34	01/27/2023 21:43	T
Acetone	0.0023 U	mg/Kg	0.0031	0.0023	1	01/27/2023 15:34	01/27/2023 21:43	T
Acrolein (Propenal)	0.0064 U	mg/Kg	0.016	0.0064	1	01/27/2023 15:34	01/27/2023 21:43	T
Acrylonitrile	0.00054 U	mg/Kg	0.0031	0.00054	1	01/27/2023 15:34	01/27/2023 21:43	T
Benzene	0.00051 U	mg/Kg	0.0031	0.00051	1	01/27/2023 15:34	01/27/2023 21:43	T
Bromobenzene	0.00057 U	mg/Kg	0.0031	0.00057	1	01/27/2023 15:34	01/27/2023 21:43	T
Bromochloromethane	0.00067 U	mg/Kg	0.0031	0.00067	1	01/27/2023 15:34	01/27/2023 21:43	T
Bromodichloromethane	0.00055 U	mg/Kg	0.0031	0.00055	1	01/27/2023 15:34	01/27/2023 21:43	T
Bromoform	0.0021 U	mg/Kg	0.0031	0.0021	1	01/27/2023 15:34	01/27/2023 21:43	T
Bromomethane	0.0013 U	mg/Kg	0.0031	0.0013	1	01/27/2023 15:34	01/27/2023 21:43	T
Carbon Disulfide	0.00089 U	mg/Kg	0.0031	0.00089	1	01/27/2023 15:34	01/27/2023 21:43	T
Carbon Tetrachloride	0.00087 U	mg/Kg	0.0031	0.00087	1	01/27/2023 15:34	01/27/2023 21:43	T
Chlorobenzene	0.00046 U	mg/Kg	0.0031	0.00046	1	01/27/2023 15:34	01/27/2023 21:43	T
Chloroethane	0.0015 U	mg/Kg	0.0031	0.0015	1	01/27/2023 15:34	01/27/2023 21:43	T
Chloroform	0.00063 U	mg/Kg	0.0031	0.00063	1	01/27/2023 15:34	01/27/2023 21:43	T
Chloromethane	0.00071 U	mg/Kg	0.0031	0.00071	1	01/27/2023 15:34	01/27/2023 21:43	T
Dibromochloromethane	0.0018 U	mg/Kg	0.0031	0.0018	1	01/27/2023 15:34	01/27/2023 21:43	T
Dibromomethane	0.00063 U	mg/Kg	0.0031	0.00063	1	01/27/2023 15:34	01/27/2023 21:43	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0031	0.0011	1	01/27/2023 15:34	01/27/2023 21:43	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880008
Sample ID: SB-4 (0.5-2)

Date Collected: 01/26/2023 12:20
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00037 U	mg/Kg	0.0031	0.00037	1	01/27/2023 15:34	01/27/2023 21:43	T
Ethylene Dibromide (EDB)	0.00051 U	mg/Kg	0.0031	0.00051	1	01/27/2023 15:34	01/27/2023 21:43	T
Hexachlorobutadiene	0.0016 U	mg/Kg	0.0031	0.0016	1	01/27/2023 15:34	01/27/2023 21:43	T
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0031	0.0022	1	01/27/2023 15:34	01/27/2023 21:43	T
Isopropylbenzene	0.00065 U	mg/Kg	0.0031	0.00065	1	01/27/2023 15:34	01/27/2023 21:43	T
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0031	0.0010	1	01/27/2023 15:34	01/27/2023 21:43	T
Methylene Chloride	0.0042 U	mg/Kg	0.0052	0.0042	1	01/27/2023 15:34	01/27/2023 21:43	T
Naphthalene	0.0014 U	mg/Kg	0.0031	0.0014	1	01/27/2023 15:34	01/27/2023 21:43	T
Styrene	0.00041 U	mg/Kg	0.0031	0.00041	1	01/27/2023 15:34	01/27/2023 21:43	T
Tetrachloroethylene (PCE)	0.00059 U	mg/Kg	0.0031	0.00059	1	01/27/2023 15:34	01/27/2023 21:43	T
Toluene	0.00038 U	mg/Kg	0.0031	0.00038	1	01/27/2023 15:34	01/27/2023 21:43	T
Trichloroethene	0.00076 U	mg/Kg	0.0031	0.00076	1	01/27/2023 15:34	01/27/2023 21:43	T
Trichlorofluoromethane	0.00069 U	mg/Kg	0.0031	0.00069	1	01/27/2023 15:34	01/27/2023 21:43	T
Vinyl Acetate	0.0015 U	mg/Kg	0.0031	0.0015	1	01/27/2023 15:34	01/27/2023 21:43	T
Vinyl Chloride	0.00060 U	mg/Kg	0.0031	0.00060	1	01/27/2023 15:34	01/27/2023 21:43	T
Xylene (Total)	0.0013 U	mg/Kg	0.0062	0.0013	1	01/27/2023 15:34	01/27/2023 21:43	T
cis-1,2-Dichloroethylene	0.00061 U	mg/Kg	0.0031	0.00061	1	01/27/2023 15:34	01/27/2023 21:43	T
cis-1,3-Dichloropropene	0.0022 U	mg/Kg	0.0031	0.0022	1	01/27/2023 15:34	01/27/2023 21:43	T
n-Butylbenzene	0.00084 U	mg/Kg	0.0031	0.00084	1	01/27/2023 15:34	01/27/2023 21:43	T
n-propylbenzene	0.00072 U	mg/Kg	0.0031	0.00072	1	01/27/2023 15:34	01/27/2023 21:43	T
sec-butylbenzene	0.00069 U	mg/Kg	0.0031	0.00069	1	01/27/2023 15:34	01/27/2023 21:43	T
tert-butylbenzene	0.00094 U	mg/Kg	0.0031	0.00094	1	01/27/2023 15:34	01/27/2023 21:43	T
trans-1,2-Dichloroethylene	0.00063 U	mg/Kg	0.0031	0.00063	1	01/27/2023 15:34	01/27/2023 21:43	T
trans-1,3-Dichloropropylene	0.0019 U	mg/Kg	0.0031	0.0019	1	01/27/2023 15:34	01/27/2023 21:43	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880008 Date Collected: 01/26/2023 12:20 Matrix: Soil
Sample ID: SB-4 (0.5-2) Date Received: 01/26/2023 15:45

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
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Analysis Results Comments

1,2,4-Trimethylbenzene

J3|Lab QC Failure

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	52	104	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	37	74	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	40	80	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.39	0.21	52	37 - 127	T^
Nitrobenzene-d5 (S)	mg/Kg	0.39	0.20	52	33 - 134	T^
p-Terphenyl-d14 (S)	mg/Kg	0.39	0.33	83	42 - 141	T^

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880009
Sample ID: SB-5 (0-0.5)

Date Collected: 01/26/2023 12:50
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	0.15 I	mg/Kg	0.28	0.14	1	01/27/2023 14:30	01/30/2023 14:07	T
Barium	5.9	mg/Kg	0.28	0.14	1	01/27/2023 14:30	01/30/2023 14:07	T
Cadmium	0.073	mg/Kg	0.057	0.028	1	01/27/2023 14:30	01/30/2023 14:07	T
Chromium	2.0	mg/Kg	0.28	0.23	1	01/27/2023 14:30	01/30/2023 14:07	T
Lead	6.8	mg/Kg	0.28	0.14	1	01/27/2023 14:30	01/30/2023 14:07	T
Selenium	0.57 U	mg/Kg	2.8	0.57	1	01/27/2023 14:30	01/30/2023 14:07	T
Silver	0.23 U	mg/Kg	0.28	0.23	1	01/27/2023 14:30	01/30/2023 14:07	T
METALS (SW-846 7471A)								
Mercury	0.026	mg/Kg	0.0057	0.0029	1	02/17/2023 20:55	02/17/2023 23:29	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0017 U	mg/Kg	0.0091	0.0017	1	02/06/2023 14:20	02/07/2023 01:51	T
2-Methylnaphthalene	0.0022 U	mg/Kg	0.0091	0.0022	1	02/06/2023 14:20	02/07/2023 01:51	T
Acenaphthene	0.0026 I	mg/Kg	0.0091	0.0017	1	02/06/2023 14:20	02/07/2023 01:51	T
Acenaphthylene	0.0056 I	mg/Kg	0.0091	0.0019	1	02/06/2023 14:20	02/07/2023 01:51	T
Anthracene	0.016	mg/Kg	0.0091	0.0028	1	02/06/2023 14:20	02/07/2023 01:51	T
Benzo[a]anthracene	0.11	mg/Kg	0.0091	0.0022	1	02/06/2023 14:20	02/07/2023 01:51	T
Benzo[a]pyrene	0.16	mg/Kg	0.0091	0.0018	1	02/06/2023 14:20	02/07/2023 01:51	T
Benzo[b]fluoranthene	0.25	mg/Kg	0.0091	0.0017	1	02/06/2023 14:20	02/07/2023 01:51	T
Benzo[g,h,i]perylene	0.14	mg/Kg	0.0091	0.0021	1	02/06/2023 14:20	02/07/2023 01:51	T
Benzo[k]fluoranthene	0.090	mg/Kg	0.0091	0.0026	1	02/06/2023 14:20	02/07/2023 01:51	T
Chrysene	0.17	mg/Kg	0.0091	0.0032	1	02/06/2023 14:20	02/07/2023 01:51	T
Dibenzo[a,h]anthracene	0.035	mg/Kg	0.0091	0.0018	1	02/06/2023 14:20	02/07/2023 01:51	T
Fluoranthene	0.27	mg/Kg	0.0091	0.0031	1	02/06/2023 14:20	02/07/2023 01:51	T
Fluorene	0.0024 I	mg/Kg	0.0091	0.0024	1	02/06/2023 14:20	02/07/2023 01:51	T
Indeno(1,2,3-cd)pyrene	0.15	mg/Kg	0.0091	0.0026	1	02/06/2023 14:20	02/07/2023 01:51	T
Naphthalene	0.0019 U	mg/Kg	0.0091	0.0019	1	02/06/2023 14:20	02/07/2023 01:51	T
Phenanthrene	0.070	mg/Kg	0.0091	0.0024	1	02/06/2023 14:20	02/07/2023 01:51	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880009
Sample ID: SB-5 (0-0.5)

Date Collected: 01/26/2023 12:50
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	0.24	mg/Kg	0.0091	0.0026	1	02/06/2023 14:20	02/07/2023 01:51	T
(SM 2540G)								
Percent Moisture	12	%	0.0010	0.0010	1	01/27/2023 06:00	01/27/2023 06:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1,2-Tetrachloroethane	0.0011 U	mg/Kg	0.0034	0.0011	1	01/27/2023 15:34	01/27/2023 22:10	T
1,1,1-Trichloroethane	0.00080 U	mg/Kg	0.0034	0.00080	1	01/27/2023 15:34	01/27/2023 22:10	T
1,1,2,2-Tetrachloroethane	0.00058 U	mg/Kg	0.0034	0.00058	1	01/27/2023 15:34	01/27/2023 22:10	T
1,1,2-Trichloroethane	0.00056 U	mg/Kg	0.0034	0.00056	1	01/27/2023 15:34	01/27/2023 22:10	T
1,1-Dichloroethane	0.00080 U	mg/Kg	0.0034	0.00080	1	01/27/2023 15:34	01/27/2023 22:10	T
1,1-Dichloroethylene	0.00084 U	mg/Kg	0.0034	0.00084	1	01/27/2023 15:34	01/27/2023 22:10	T
1,1-Dichloropropene	0.00055 U	mg/Kg	0.0034	0.00055	1	01/27/2023 15:34	01/27/2023 22:10	T
1,2,3-Trichlorobenzene	0.00091 U	mg/Kg	0.0034	0.00091	1	01/27/2023 15:34	01/27/2023 22:10	T
1,2,3-Trichloropropane	0.0019 U	mg/Kg	0.0034	0.0019	1	01/27/2023 15:34	01/27/2023 22:10	T
1,2,4-Trichlorobenzene	0.00074 U	mg/Kg	0.0034	0.00074	1	01/27/2023 15:34	01/27/2023 22:10	T
1,2,4-Trimethylbenzene	0.0010 U	mg/Kg	0.0034	0.0010	1	01/27/2023 15:34	01/27/2023 22:10	T
1,2-Dibromo-3-Chloropropane	0.0015 U	mg/Kg	0.0034	0.0015	1	01/27/2023 15:34	01/27/2023 22:10	T
1,2-Dichlorobenzene	0.00054 U	mg/Kg	0.0034	0.00054	1	01/27/2023 15:34	01/27/2023 22:10	T
1,2-Dichloroethane	0.00089 U	mg/Kg	0.0034	0.00089	1	01/27/2023 15:34	01/27/2023 22:10	T
1,2-Dichloropropane	0.00061 U	mg/Kg	0.0034	0.00061	1	01/27/2023 15:34	01/27/2023 22:10	T
1,3,5-Trimethylbenzene	0.00076 U	mg/Kg	0.0034	0.00076	1	01/27/2023 15:34	01/27/2023 22:10	T
1,3-Dichlorobenzene	0.00063 U	mg/Kg	0.0034	0.00063	1	01/27/2023 15:34	01/27/2023 22:10	T
1,3-Dichloropropane	0.00049 U	mg/Kg	0.0034	0.00049	1	01/27/2023 15:34	01/27/2023 22:10	T
1,4-Dichlorobenzene	0.00076 U	mg/Kg	0.0034	0.00076	1	01/27/2023 15:34	01/27/2023 22:10	T
2,2-Dichloropropane	0.0013 U	mg/Kg	0.0034	0.0013	1	01/27/2023 15:34	01/27/2023 22:10	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880009
Sample ID: SB-5 (0-0.5)

Date Collected: 01/26/2023 12:50
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.0012 U	mg/Kg	0.0034	0.0012	1	01/27/2023 15:34	01/27/2023 22:10	T
2-Chloroethyl Vinyl Ether	0.0030 U	mg/Kg	0.0034	0.0030	1	01/27/2023 15:34	01/27/2023 22:10	T
2-Chlorotoluene	0.00076 U	mg/Kg	0.0034	0.00076	1	01/27/2023 15:34	01/27/2023 22:10	T
2-Hexanone	0.0018 U	mg/Kg	0.0034	0.0018	1	01/27/2023 15:34	01/27/2023 22:10	T
4-Chlorotoluene	0.00085 U	mg/Kg	0.0034	0.00085	1	01/27/2023 15:34	01/27/2023 22:10	T
4-Methyl-2-pentanone (MIBK)	0.00077 U	mg/Kg	0.0034	0.00077	1	01/27/2023 15:34	01/27/2023 22:10	T
Acetone	0.0025 U	mg/Kg	0.0034	0.0025	1	01/27/2023 15:34	01/27/2023 22:10	T
Acrolein (Propenal)	0.0071 U	mg/Kg	0.017	0.0071	1	01/27/2023 15:34	01/27/2023 22:10	T
Acrylonitrile	0.00059 U	mg/Kg	0.0034	0.00059	1	01/27/2023 15:34	01/27/2023 22:10	T
Benzene	0.00057 U	mg/Kg	0.0034	0.00057	1	01/27/2023 15:34	01/27/2023 22:10	T
Bromobenzene	0.00063 U	mg/Kg	0.0034	0.00063	1	01/27/2023 15:34	01/27/2023 22:10	T
Bromochloromethane	0.00073 U	mg/Kg	0.0034	0.00073	1	01/27/2023 15:34	01/27/2023 22:10	T
Bromodichloromethane	0.00060 U	mg/Kg	0.0034	0.00060	1	01/27/2023 15:34	01/27/2023 22:10	T
Bromoform	0.0023 U	mg/Kg	0.0034	0.0023	1	01/27/2023 15:34	01/27/2023 22:10	T
Bromomethane	0.0014 U	mg/Kg	0.0034	0.0014	1	01/27/2023 15:34	01/27/2023 22:10	T
Carbon Disulfide	0.00098 U	mg/Kg	0.0034	0.00098	1	01/27/2023 15:34	01/27/2023 22:10	T
Carbon Tetrachloride	0.00096 U	mg/Kg	0.0034	0.00096	1	01/27/2023 15:34	01/27/2023 22:10	T
Chlorobenzene	0.00051 U	mg/Kg	0.0034	0.00051	1	01/27/2023 15:34	01/27/2023 22:10	T
Chloroethane	0.0017 U	mg/Kg	0.0034	0.0017	1	01/27/2023 15:34	01/27/2023 22:10	T
Chloroform	0.00070 U	mg/Kg	0.0034	0.00070	1	01/27/2023 15:34	01/27/2023 22:10	T
Chloromethane	0.00078 U	mg/Kg	0.0034	0.00078	1	01/27/2023 15:34	01/27/2023 22:10	T
Dibromochloromethane	0.0020 U	mg/Kg	0.0034	0.0020	1	01/27/2023 15:34	01/27/2023 22:10	T
Dibromomethane	0.00069 U	mg/Kg	0.0034	0.00069	1	01/27/2023 15:34	01/27/2023 22:10	T
Dichlorodifluoromethane	0.0012 U	mg/Kg	0.0034	0.0012	1	01/27/2023 15:34	01/27/2023 22:10	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880009	Date Collected: 01/26/2023 12:50				Matrix: Soil			
Sample ID: SB-5 (0-0.5)	Date Received: 01/26/2023 15:45							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00041 U	mg/Kg	0.0034	0.00041	1	01/27/2023 15:34	01/27/2023 22:10	T
Ethylene Dibromide (EDB)	0.00057 U	mg/Kg	0.0034	0.00057	1	01/27/2023 15:34	01/27/2023 22:10	T
Hexachlorobutadiene	0.0018 U	mg/Kg	0.0034	0.0018	1	01/27/2023 15:34	01/27/2023 22:10	T
Iodomethane (Methyl Iodide)	0.0024 U	mg/Kg	0.0034	0.0024	1	01/27/2023 15:34	01/27/2023 22:10	T
Isopropylbenzene	0.00071 U	mg/Kg	0.0034	0.00071	1	01/27/2023 15:34	01/27/2023 22:10	T
Methyl tert-butyl Ether (MTBE)	0.0011 U	mg/Kg	0.0034	0.0011	1	01/27/2023 15:34	01/27/2023 22:10	T
Methylene Chloride	0.0046 U	mg/Kg	0.0057	0.0046	1	01/27/2023 15:34	01/27/2023 22:10	T
Naphthalene	0.0016 U	mg/Kg	0.0034	0.0016	1	01/27/2023 15:34	01/27/2023 22:10	T
Styrene	0.00045 U	mg/Kg	0.0034	0.00045	1	01/27/2023 15:34	01/27/2023 22:10	T
Tetrachloroethylene (PCE)	0.00065 U	mg/Kg	0.0034	0.00065	1	01/27/2023 15:34	01/27/2023 22:10	T
Toluene	0.00042 U	mg/Kg	0.0034	0.00042	1	01/27/2023 15:34	01/27/2023 22:10	T
Trichloroethene	0.00084 U	mg/Kg	0.0034	0.00084	1	01/27/2023 15:34	01/27/2023 22:10	T
Trichlorofluoromethane	0.00076 U	mg/Kg	0.0034	0.00076	1	01/27/2023 15:34	01/27/2023 22:10	T
Vinyl Acetate	0.0017 U	mg/Kg	0.0034	0.0017	1	01/27/2023 15:34	01/27/2023 22:10	T
Vinyl Chloride	0.00066 U	mg/Kg	0.0034	0.00066	1	01/27/2023 15:34	01/27/2023 22:10	T
Xylene (Total)	0.0015 U	mg/Kg	0.0068	0.0015	1	01/27/2023 15:34	01/27/2023 22:10	T
cis-1,2-Dichloroethylene	0.00067 U	mg/Kg	0.0034	0.00067	1	01/27/2023 15:34	01/27/2023 22:10	T
cis-1,3-Dichloropropene	0.0024 U	mg/Kg	0.0034	0.0024	1	01/27/2023 15:34	01/27/2023 22:10	T
n-Butylbenzene	0.00093 U	mg/Kg	0.0034	0.00093	1	01/27/2023 15:34	01/27/2023 22:10	T
n-propylbenzene	0.00080 U	mg/Kg	0.0034	0.00080	1	01/27/2023 15:34	01/27/2023 22:10	T
sec-butylbenzene	0.00076 U	mg/Kg	0.0034	0.00076	1	01/27/2023 15:34	01/27/2023 22:10	T
tert-butylbenzene	0.0010 U	mg/Kg	0.0034	0.0010	1	01/27/2023 15:34	01/27/2023 22:10	T
trans-1,2-Dichloroethylene	0.00069 U	mg/Kg	0.0034	0.00069	1	01/27/2023 15:34	01/27/2023 22:10	T
trans-1,3-Dichloropropylene	0.0021 U	mg/Kg	0.0034	0.0021	1	01/27/2023 15:34	01/27/2023 22:10	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Analysis Results Comments

1,2,4-Trimethylbenzene

J3|Lab QC Failure

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	52	104	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	36	72	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	40	79	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.25	63	37 - 127	T^
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.24	60	33 - 134	T^
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.30	76	42 - 141	T^

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880010	Date Collected: 01/26/2023 12:53			Matrix: Soil				
Sample ID: SB-5 (0.5-2)	Date Received: 01/26/2023 15:45							
Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
METALS (SW-846 3050B/SW-846 6010)								
Arsenic	0.14 I	mg/Kg	0.27	0.13	1	01/27/2023 14:30	01/30/2023 14:10	T
Barium	8.8	mg/Kg	0.27	0.13	1	01/27/2023 14:30	01/30/2023 14:10	T
Cadmium	0.051 I	mg/Kg	0.054	0.027	1	01/27/2023 14:30	01/30/2023 14:10	T
Chromium	5.9	mg/Kg	0.27	0.22	1	01/27/2023 14:30	01/30/2023 14:10	T
Lead	7.2	mg/Kg	0.27	0.13	1	01/27/2023 14:30	01/30/2023 14:10	T
Selenium	0.54 U	mg/Kg	2.7	0.54	1	01/27/2023 14:30	01/30/2023 14:10	T
Silver	0.22 U	mg/Kg	0.27	0.22	1	01/27/2023 14:30	01/30/2023 14:10	T
METALS (SW-846 7471A)								
Mercury	0.021	mg/Kg	0.0053	0.0027	1	02/17/2023 20:55	02/17/2023 23:31	M
SEMIVOLATILES (SW-846 3550B/SW-846 8270C (SIM))								
1-Methylnaphthalene	0.0016 U	mg/Kg	0.0084	0.0016	1	02/06/2023 14:20	02/06/2023 22:02	T
2-Methylnaphthalene	0.0020 U	mg/Kg	0.0084	0.0020	1	02/06/2023 14:20	02/06/2023 22:02	T
Acenaphthene	0.0015 U	mg/Kg	0.0084	0.0015	1	02/06/2023 14:20	02/06/2023 22:02	T
Acenaphthylene	0.0019 I	mg/Kg	0.0084	0.0018	1	02/06/2023 14:20	02/06/2023 22:02	T
Anthracene	0.0025 U	mg/Kg	0.0084	0.0025	1	02/06/2023 14:20	02/06/2023 22:02	T
Benzo[a]anthracene	0.0045 I	mg/Kg	0.0084	0.0020	1	02/06/2023 14:20	02/06/2023 22:02	T
Benzo[a]pyrene	0.0054 I	mg/Kg	0.0084	0.0017	1	02/06/2023 14:20	02/06/2023 22:02	T
Benzo[b]fluoranthene	0.0073 I	mg/Kg	0.0084	0.0016	1	02/06/2023 14:20	02/06/2023 22:02	T
Benzo[g,h,i]perylene	0.0048 I	mg/Kg	0.0084	0.0019	1	02/06/2023 14:20	02/06/2023 22:02	T
Benzo[k]fluoranthene	0.0029 I	mg/Kg	0.0084	0.0024	1	02/06/2023 14:20	02/06/2023 22:02	T
Chrysene	0.0054 I	mg/Kg	0.0084	0.0030	1	02/06/2023 14:20	02/06/2023 22:02	T
Dibenzo[a,h]anthracene	0.0017 U	mg/Kg	0.0084	0.0017	1	02/06/2023 14:20	02/06/2023 22:02	T
Fluoranthene	0.0085	mg/Kg	0.0084	0.0028	1	02/06/2023 14:20	02/06/2023 22:02	T
Fluorene	0.0022 U	mg/Kg	0.0084	0.0022	1	02/06/2023 14:20	02/06/2023 22:02	T
Indeno(1,2,3-cd)pyrene	0.0045 I	mg/Kg	0.0084	0.0024	1	02/06/2023 14:20	02/06/2023 22:02	T
Naphthalene	0.0017 U	mg/Kg	0.0084	0.0017	1	02/06/2023 14:20	02/06/2023 22:02	T
Phenanthrene	0.0039 I	mg/Kg	0.0084	0.0022	1	02/06/2023 14:20	02/06/2023 22:02	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880010
Sample ID: SB-5 (0.5-2)

Date Collected: 01/26/2023 12:53
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Pyrene	0.0085	mg/Kg	0.0084	0.0024	1	02/06/2023 14:20	02/06/2023 22:02	T
(SM 2540G)								
Percent Moisture	4.6	%	0.0010	0.0010	1	01/27/2023 06:00	01/27/2023 06:00	T
VOLATILES (SW-846 5035/SW-846 8260B)								
1,1,1,2-Tetrachloroethane	0.0010 U	mg/Kg	0.0031	0.0010	1	01/27/2023 15:34	01/27/2023 22:36	T
1,1,1-Trichloroethane	0.00073 U	mg/Kg	0.0031	0.00073	1	01/27/2023 15:34	01/27/2023 22:36	T
1,1,2,2-Tetrachloroethane	0.00053 U	mg/Kg	0.0031	0.00053	1	01/27/2023 15:34	01/27/2023 22:36	T
1,1,2-Trichloroethane	0.00051 U	mg/Kg	0.0031	0.00051	1	01/27/2023 15:34	01/27/2023 22:36	T
1,1-Dichloroethane	0.00074 U	mg/Kg	0.0031	0.00074	1	01/27/2023 15:34	01/27/2023 22:36	T
1,1-Dichloroethylene	0.00077 U	mg/Kg	0.0031	0.00077	1	01/27/2023 15:34	01/27/2023 22:36	T
1,1-Dichloropropene	0.00051 U	mg/Kg	0.0031	0.00051	1	01/27/2023 15:34	01/27/2023 22:36	T
1,2,3-Trichlorobenzene	0.00084 U	mg/Kg	0.0031	0.00084	1	01/27/2023 15:34	01/27/2023 22:36	T
1,2,3-Trichloropropane	0.0018 U	mg/Kg	0.0031	0.0018	1	01/27/2023 15:34	01/27/2023 22:36	T
1,2,4-Trichlorobenzene	0.00068 U	mg/Kg	0.0031	0.00068	1	01/27/2023 15:34	01/27/2023 22:36	T
1,2,4-Trimethylbenzene	0.00092 U	mg/Kg	0.0031	0.00092	1	01/27/2023 15:34	01/27/2023 22:36	T
1,2-Dibromo-3-Chloropropane	0.0014 U	mg/Kg	0.0031	0.0014	1	01/27/2023 15:34	01/27/2023 22:36	T
1,2-Dichlorobenzene	0.00050 U	mg/Kg	0.0031	0.00050	1	01/27/2023 15:34	01/27/2023 22:36	T
1,2-Dichloroethane	0.00082 U	mg/Kg	0.0031	0.00082	1	01/27/2023 15:34	01/27/2023 22:36	T
1,2-Dichloropropane	0.00056 U	mg/Kg	0.0031	0.00056	1	01/27/2023 15:34	01/27/2023 22:36	T
1,3,5-Trimethylbenzene	0.00070 U	mg/Kg	0.0031	0.00070	1	01/27/2023 15:34	01/27/2023 22:36	T
1,3-Dichlorobenzene	0.00058 U	mg/Kg	0.0031	0.00058	1	01/27/2023 15:34	01/27/2023 22:36	T
1,3-Dichloropropane	0.00045 U	mg/Kg	0.0031	0.00045	1	01/27/2023 15:34	01/27/2023 22:36	T
1,4-Dichlorobenzene	0.00070 U	mg/Kg	0.0031	0.00070	1	01/27/2023 15:34	01/27/2023 22:36	T
2,2-Dichloropropane	0.0012 U	mg/Kg	0.0031	0.0012	1	01/27/2023 15:34	01/27/2023 22:36	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880010
Sample ID: SB-5 (0.5-2)

Date Collected: 01/26/2023 12:53
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
2-Butanone (MEK)	0.0011 U	mg/Kg	0.0031	0.0011	1	01/27/2023 15:34	01/27/2023 22:36	T
2-Chloroethyl Vinyl Ether	0.0027 U	mg/Kg	0.0031	0.0027	1	01/27/2023 15:34	01/27/2023 22:36	T
2-Chlorotoluene	0.00070 U	mg/Kg	0.0031	0.00070	1	01/27/2023 15:34	01/27/2023 22:36	T
2-Hexanone	0.0016 U	mg/Kg	0.0031	0.0016	1	01/27/2023 15:34	01/27/2023 22:36	T
4-Chlorotoluene	0.00078 U	mg/Kg	0.0031	0.00078	1	01/27/2023 15:34	01/27/2023 22:36	T
4-Methyl-2-pentanone (MIBK)	0.00071 U	mg/Kg	0.0031	0.00071	1	01/27/2023 15:34	01/27/2023 22:36	T
Acetone	0.0023 U	mg/Kg	0.0031	0.0023	1	01/27/2023 15:34	01/27/2023 22:36	T
Acrolein (Propenal)	0.0065 U	mg/Kg	0.016	0.0065	1	01/27/2023 15:34	01/27/2023 22:36	T
Acrylonitrile	0.00055 U	mg/Kg	0.0031	0.00055	1	01/27/2023 15:34	01/27/2023 22:36	T
Benzene	0.00052 U	mg/Kg	0.0031	0.00052	1	01/27/2023 15:34	01/27/2023 22:36	T
Bromobenzene	0.00058 U	mg/Kg	0.0031	0.00058	1	01/27/2023 15:34	01/27/2023 22:36	T
Bromochloromethane	0.00067 U	mg/Kg	0.0031	0.00067	1	01/27/2023 15:34	01/27/2023 22:36	T
Bromodichloromethane	0.00055 U	mg/Kg	0.0031	0.00055	1	01/27/2023 15:34	01/27/2023 22:36	T
Bromoform	0.0021 U	mg/Kg	0.0031	0.0021	1	01/27/2023 15:34	01/27/2023 22:36	T
Bromomethane	0.0013 U	mg/Kg	0.0031	0.0013	1	01/27/2023 15:34	01/27/2023 22:36	T
Carbon Disulfide	0.00090 U	mg/Kg	0.0031	0.00090	1	01/27/2023 15:34	01/27/2023 22:36	T
Carbon Tetrachloride	0.00089 U	mg/Kg	0.0031	0.00089	1	01/27/2023 15:34	01/27/2023 22:36	T
Chlorobenzene	0.00047 U	mg/Kg	0.0031	0.00047	1	01/27/2023 15:34	01/27/2023 22:36	T
Chloroethane	0.0016 U	mg/Kg	0.0031	0.0016	1	01/27/2023 15:34	01/27/2023 22:36	T
Chloroform	0.00064 U	mg/Kg	0.0031	0.00064	1	01/27/2023 15:34	01/27/2023 22:36	T
Chloromethane	0.00072 U	mg/Kg	0.0031	0.00072	1	01/27/2023 15:34	01/27/2023 22:36	T
Dibromochloromethane	0.0018 U	mg/Kg	0.0031	0.0018	1	01/27/2023 15:34	01/27/2023 22:36	T
Dibromomethane	0.00063 U	mg/Kg	0.0031	0.00063	1	01/27/2023 15:34	01/27/2023 22:36	T
Dichlorodifluoromethane	0.0011 U	mg/Kg	0.0031	0.0011	1	01/27/2023 15:34	01/27/2023 22:36	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880010
Sample ID: SB-5 (0.5-2)

Date Collected: 01/26/2023 12:53
Date Received: 01/26/2023 15:45

Matrix: Soil

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
Ethylbenzene	0.00037 U	mg/Kg	0.0031	0.00037	1	01/27/2023 15:34	01/27/2023 22:36	T
Ethylene Dibromide (EDB)	0.00052 U	mg/Kg	0.0031	0.00052	1	01/27/2023 15:34	01/27/2023 22:36	T
Hexachlorobutadiene	0.0016 U	mg/Kg	0.0031	0.0016	1	01/27/2023 15:34	01/27/2023 22:36	T
Iodomethane (Methyl Iodide)	0.0022 U	mg/Kg	0.0031	0.0022	1	01/27/2023 15:34	01/27/2023 22:36	T
Isopropylbenzene	0.00066 U	mg/Kg	0.0031	0.00066	1	01/27/2023 15:34	01/27/2023 22:36	T
Methyl tert-butyl Ether (MTBE)	0.0010 U	mg/Kg	0.0031	0.0010	1	01/27/2023 15:34	01/27/2023 22:36	T
Methylene Chloride	0.0042 U	mg/Kg	0.0052	0.0042	1	01/27/2023 15:34	01/27/2023 22:36	T
Naphthalene	0.0015 U	mg/Kg	0.0031	0.0015	1	01/27/2023 15:34	01/27/2023 22:36	T
Styrene	0.00042 U	mg/Kg	0.0031	0.00042	1	01/27/2023 15:34	01/27/2023 22:36	T
Tetrachloroethylene (PCE)	0.00060 U	mg/Kg	0.0031	0.00060	1	01/27/2023 15:34	01/27/2023 22:36	T
Toluene	0.00039 U	mg/Kg	0.0031	0.00039	1	01/27/2023 15:34	01/27/2023 22:36	T
Trichloroethene	0.00077 U	mg/Kg	0.0031	0.00077	1	01/27/2023 15:34	01/27/2023 22:36	T
Trichlorofluoromethane	0.00070 U	mg/Kg	0.0031	0.00070	1	01/27/2023 15:34	01/27/2023 22:36	T
Vinyl Acetate	0.0015 U	mg/Kg	0.0031	0.0015	1	01/27/2023 15:34	01/27/2023 22:36	T
Vinyl Chloride	0.00060 U	mg/Kg	0.0031	0.00060	1	01/27/2023 15:34	01/27/2023 22:36	T
Xylene (Total)	0.0014 U	mg/Kg	0.0063	0.0014	1	01/27/2023 15:34	01/27/2023 22:36	T
cis-1,2-Dichloroethylene	0.00062 U	mg/Kg	0.0031	0.00062	1	01/27/2023 15:34	01/27/2023 22:36	T
cis-1,3-Dichloropropene	0.0022 U	mg/Kg	0.0031	0.0022	1	01/27/2023 15:34	01/27/2023 22:36	T
n-Butylbenzene	0.00085 U	mg/Kg	0.0031	0.00085	1	01/27/2023 15:34	01/27/2023 22:36	T
n-propylbenzene	0.00073 U	mg/Kg	0.0031	0.00073	1	01/27/2023 15:34	01/27/2023 22:36	T
sec-butylbenzene	0.00070 U	mg/Kg	0.0031	0.00070	1	01/27/2023 15:34	01/27/2023 22:36	T
tert-butylbenzene	0.00095 U	mg/Kg	0.0031	0.00095	1	01/27/2023 15:34	01/27/2023 22:36	T
trans-1,2-Dichloroethylene	0.00064 U	mg/Kg	0.0031	0.00064	1	01/27/2023 15:34	01/27/2023 22:36	T
trans-1,3-Dichloropropylene	0.0019 U	mg/Kg	0.0031	0.0019	1	01/27/2023 15:34	01/27/2023 22:36	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

Analytical Results

Lab ID: T2301880010 Date Collected: 01/26/2023 12:53 Matrix: Soil
Sample ID: SB-5 (0.5-2) Date Received: 01/26/2023 15:45

Parameter	Results	Units	PQL	MDL	DF	Prepared	Analyzed	Lab
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Analysis Results Comments

1,2,4-Trimethylbenzene

J3|Lab QC Failure

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/Kg	50	51	102	69 - 134	T
Toluene-d8 (S)	ug/Kg	50	36	72	72 - 122	T
Bromofluorobenzene (S)	ug/Kg	50	40	79	79 - 126	T
2-Fluorobiphenyl (S)	mg/Kg	0.40	0.22	54	37 - 127	T^
Nitrobenzene-d5 (S)	mg/Kg	0.40	0.22	56	33 - 134	T^
p-Terphenyl-d14 (S)	mg/Kg	0.40	0.31	78	42 - 141	T^

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FINAL

Workorder: Clearwater PSTA (T2301880)

QC Results

QC Batch: CVAm/1294 **Analysis Method:** SW-846 7471A
Preparation Method: SW-846 7471A
Associated Lab IDs: T2301880001, T2301880002, T2301880003, T2301880004, T2301880005, T2301880006, T2301880007, T2301880008, T2301880009, T2301880010

Method Blank(4674672)

Parameter	Results	Units	PQL	MDL	Lab
Mercury	0.0025 U	mg/Kg	0.0050	0.0025	M

Lab Control Sample (4674673)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Mercury	mg/Kg	0.10	.09	93	80 - 120	M

Matrix Spike (4674674); Matrix Spike Duplicate (4674675); Parent Lab Sample (M2300834001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Mercury	mg/Kg	0.10	.1	96	80 - 120	.1	94	3	20	M

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FINAL

Workorder: Clearwater PSTA (T2301880)

QC Results

QC Batch: ICP1/3431 Analysis Method: SW-846 6010
Preparation Method: SW-846 3050B
Associated Lab IDs: T2301880001, T2301880002, T2301880003, T2301880004, T2301880005, T2301880006, T2301880007, T2301880008, T2301880009, T2301880010

Method Blank(4644529)

Parameter	Results	Units	PQL	MDL	Lab
Silver	0.20 U	mg/Kg	0.25	0.20	T
Arsenic	0.12 U	mg/Kg	0.25	0.12	T
Barium	0.12 U	mg/Kg	0.25	0.12	T
Cadmium	0.025 U	mg/Kg	0.050	0.025	T
Chromium	0.20 U	mg/Kg	0.25	0.20	T
Lead	0.12 U	mg/Kg	0.25	0.12	T
Selenium	0.50 U	mg/Kg	2.5	0.50	T

Lab Control Sample (4644530)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Silver	mg/Kg	2.50	2.2	90	80 - 120	T
Arsenic	mg/Kg	25	23	90	80 - 120	T
Barium	mg/Kg	25	25	98	80 - 120	T
Cadmium	mg/Kg	2.50	2.3	92	80 - 120	T
Chromium	mg/Kg	25	25	99	80 - 120	T
Lead	mg/Kg	25	23	93	80 - 120	T
Selenium	mg/Kg	25	22	90	80 - 120	T

Matrix Spike (4644531); Matrix Spike Duplicate (4644532); Parent Lab Sample (F2300253015)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Silver	mg/Kg	2.40	1.8	74	75 - 125	1.9	74	7	20	T
Arsenic	mg/Kg	24	20	74	75 - 125	21	75	7	20	T
Barium	mg/Kg	24	24	71	75 - 125	27	75	8	20	T
Cadmium	mg/Kg	2.40	1.9	69	75 - 125	2.1	70	7	20	T
Chromium	mg/Kg	24	26	72	75 - 125	28	75	7	20	T
Lead	mg/Kg	24	16	65	75 - 125	18	66	8	20	T
Selenium	mg/Kg	24	17	71	75 - 125	18	71	7	20	T

QC Result Comments

Matrix Spike - 4644531 - Arsenic

J4|Estimated Result





FINAL

Workorder: Clearwater PSTA (T2301880)

QC Result Comments

Matrix Spike - 4644531 - Barium

J4|Estimated Result

Matrix Spike - 4644531 - Cadmium

J4|Estimated Result

Matrix Spike - 4644531 - Chromium

J4|Estimated Result

Matrix Spike - 4644531 - Lead

J4|Estimated Result

Matrix Spike - 4644531 - Selenium

J4|Estimated Result

Matrix Spike - 4644531 - Silver

J4|Estimated Result

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FINAL

Workorder: Clearwater PSTA (T2301880)

QC Results

QC Batch: MSS1/2286 Analysis Method: SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2301880001, T2301880002, T2301880003, T2301880004, T2301880005, T2301880006, T2301880007, T2301880008, T2301880009, T2301880010

Method Blank(4653703)

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.0016 U	mg/Kg	0.0080	0.0016	T
2-Methylnaphthalene	0.0020 U	mg/Kg	0.0080	0.0020	T
1-Methylnaphthalene	0.0015 U	mg/Kg	0.0080	0.0015	T
Acenaphthylene	0.0017 U	mg/Kg	0.0080	0.0017	T
Acenaphthene	0.0015 U	mg/Kg	0.0080	0.0015	T
Fluorene	0.0021 U	mg/Kg	0.0080	0.0021	T
Phenanthrene	0.0021 U	mg/Kg	0.0080	0.0021	T
Anthracene	0.0024 U	mg/Kg	0.0080	0.0024	T
Fluoranthene	0.0027 U	mg/Kg	0.0080	0.0027	T
Pyrene	0.0023 U	mg/Kg	0.0080	0.0023	T
Benzo[a]anthracene	0.0019 U	mg/Kg	0.0080	0.0019	T
Chrysene	0.0028 U	mg/Kg	0.0080	0.0028	T
Benzo[b]fluoranthene	0.0015 U	mg/Kg	0.0080	0.0015	T
Benzo[k]fluoranthene	0.0023 U	mg/Kg	0.0080	0.0023	T
Benzo[a]pyrene	0.0016 U	mg/Kg	0.0080	0.0016	T
Indeno(1,2,3-cd)pyrene	0.0023 U	mg/Kg	0.0080	0.0023	T
Dibenzo[a,h]anthracene	0.0016 U	mg/Kg	0.0080	0.0016	T
Benzo[g,h,i]perylene	0.0019 U	mg/Kg	0.0080	0.0019	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.31	78	37 - 127	T^
Nitrobenzene-d5 (S)	mg/L	0.40	0.34	86	33 - 134	T^
p-Terphenyl-d14 (S)	mg/L	0.40	0.32	80	42 - 141	T^

Lab Control Sample (4653704)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Naphthalene	mg/Kg	0.20	.16	81	38 - 120	T
2-Methylnaphthalene	mg/Kg	0.20	.15	76	39 - 120	T
1-Methylnaphthalene	mg/Kg	0.20	.15	75	43 - 120	T
Acenaphthylene	mg/Kg	0.20	.16	82	39 - 118	T
Acenaphthene	mg/Kg	0.20	.17	85	44 - 117	T
Fluorene	mg/Kg	0.20	.16	81	47 - 121	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

QC Batch: MSS1/2286 **Analysis Method:** SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2301880001, T2301880002, T2301880003, T2301880004, T2301880005, T2301880006, T2301880007, T2301880008, T2301880009, T2301880010

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Phenanthrene	mg/Kg	0.20	.17	83	49 - 122	T
Anthracene	mg/Kg	0.20	.17	87	50 - 123	T
Fluoranthene	mg/Kg	0.20	.17	85	51 - 126	T
Pyrene	mg/Kg	0.20	.19	95	51 - 127	T
Benzo[a]anthracene	mg/Kg	0.20	.17	83	52 - 126	T
Chrysene	mg/Kg	0.20	.17	85	52 - 128	T
Benzo[b]fluoranthene	mg/Kg	0.20	.16	79	43 - 132	T
Benzo[k]fluoranthene	mg/Kg	0.20	.18	88	46 - 133	T
Benzo[a]pyrene	mg/Kg	0.20	.16	81	42 - 129	T
Indeno(1,2,3-cd)pyrene	mg/Kg	0.20	.16	79	39 - 135	T
Dibenzo[a,h]anthracene	mg/Kg	0.20	.17	85	40 - 139	T
Benzo[g,h,i]perylene	mg/Kg	0.20	.17	86	41 - 133	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.31	77	37 - 127	T^
Nitrobenzene-d5 (S)	mg/L	0.40	0.35	89	33 - 134	T^
p-Terphenyl-d14 (S)	mg/L	0.40	0.32	79	42 - 141	T^

Matrix Spike (4653705); Matrix Spike Duplicate (4653706); Parent Lab Sample (T2301869001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Naphthalene	mg/Kg	0.20	.12	59	38 - 120	.16	79	29	30	T
2-Methylnaphthalene	mg/Kg	0.20	.11	54	39 - 120	.15	75	33	30	T
1-Methylnaphthalene	mg/Kg	0.20	.11	53	43 - 120	.15	74	32	30	T
Acenaphthylene	mg/Kg	0.20	.12	60	39 - 118	.16	81	30	30	T
Acenaphthene	mg/Kg	0.20	.12	61	44 - 117	.17	83	30	30	T
Fluorene	mg/Kg	0.20	.12	60	47 - 121	.16	82	31	30	T
Phenanthrene	mg/Kg	0.20	.12	62	49 - 122	.17	84	30	30	T
Anthracene	mg/Kg	0.20	.14	68	50 - 123	.18	91	29	30	T
Fluoranthene	mg/Kg	0.20	.13	57	51 - 126	.17	79	30	30	T
Pyrene	mg/Kg	0.20	.15	36	51 - 127	.19	60	28	30	T
Benzo[a]anthracene	mg/Kg	0.20	.12	56	52 - 126	.17	78	30	30	T
Chrysene	mg/Kg	0.20	.12	58	52 - 128	.17	79	29	30	T
Benzo[b]fluoranthene	mg/Kg	0.20	.12	47	43 - 132	.16	68	30	30	T
Benzo[k]fluoranthene	mg/Kg	0.20	.12	57	46 - 133	.17	79	31	30	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

QC Batch: MSS1/2286 Analysis Method: SW-846 8270C (SIM)
Preparation Method: SW-846 3550B
Associated Lab IDs: T2301880001, T2301880002, T2301880003, T2301880004, T2301880005, T2301880006, T2301880007, T2301880008, T2301880009, T2301880010

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Benzo[a]pyrene	mg/Kg	0.20	.12	53	42 - 129	.16	74	30	30	T
Indeno(1,2,3-cd)pyrene	mg/Kg	0.20	.11	54	39 - 135	.15	73	29	30	T
Dibenzo[a,h]anthracene	mg/Kg	0.20	.12	61	40 - 139	.17	82	30	30	T
Benzo[g,h,i]perylene	mg/Kg	0.20	.12	59	41 - 133	.16	79	28	30	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
2-Fluorobiphenyl (S)	mg/L	0.40	0.22	56	37 - 127	0.30	75	29	30	T^
Nitrobenzene-d5 (S)	mg/L	0.40	0.25	63	33 - 134	0.33	84	29	30	T^
p-Terphenyl-d14 (S)	mg/L	0.40	0.24	59	42 - 141	0.32	80	30	30	T^

QC Result Comments

Matrix Spike - 4653705 - Pyrene

J4|Estimated Result

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FINAL

Workorder: Clearwater PSTA (T2301880)

QC Results

QC Batch: MSVt/5766 Analysis Method: SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2301880001, T2301880002, T2301880003, T2301880004, T2301880005, T2301880006, T2301880007, T2301880008, T2301880009, T2301880010

Method Blank(4649439)

Parameter	Results	Units	PQL	MDL	Lab
Dichlorodifluoromethane	0.0010 U	mg/Kg	0.0030	0.0010	T
Chloromethane	0.00069 U	mg/Kg	0.0030	0.00069	T
Vinyl Chloride	0.00058 U	mg/Kg	0.0030	0.00058	T
Bromomethane	0.0012 U	mg/Kg	0.0030	0.0012	T
Chloroethane	0.0015 U	mg/Kg	0.0030	0.0015	T
Trichlorofluoromethane	0.00066 U	mg/Kg	0.0030	0.00066	T
Acrolein (Propenal)	0.0062 U	mg/Kg	0.015	0.0062	T
Acetone	0.0022 U	mg/Kg	0.0030	0.0022	T
1,1-Dichloroethylene	0.00073 U	mg/Kg	0.0030	0.00073	T
Iodomethane (Methyl Iodide)	0.0021 U	mg/Kg	0.0030	0.0021	T
Acrylonitrile	0.00052 U	mg/Kg	0.0030	0.00052	T
Methylene Chloride	0.0040 U	mg/Kg	0.0050	0.0040	T
Carbon Disulfide	0.00086 U	mg/Kg	0.0030	0.00086	T
trans-1,2-Dichloroethylene	0.00061 U	mg/Kg	0.0030	0.00061	T
Methyl tert-butyl Ether (MTBE)	0.00098 U	mg/Kg	0.0030	0.00098	T
1,1-Dichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	T
Vinyl Acetate	0.0015 U	mg/Kg	0.0030	0.0015	T
2-Butanone (MEK)	0.0010 U	mg/Kg	0.0030	0.0010	T
cis-1,2-Dichloroethylene	0.00059 U	mg/Kg	0.0030	0.00059	T
Bromochloromethane	0.00064 U	mg/Kg	0.0030	0.00064	T
Chloroform	0.00061 U	mg/Kg	0.0030	0.00061	T
2,2-Dichloropropane	0.0012 U	mg/Kg	0.0030	0.0012	T
1,2-Dichloroethane	0.00078 U	mg/Kg	0.0030	0.00078	T
1,1,1-Trichloroethane	0.00070 U	mg/Kg	0.0030	0.00070	T
1,1-Dichloropropene	0.00049 U	mg/Kg	0.0030	0.00049	T
Carbon Tetrachloride	0.00084 U	mg/Kg	0.0030	0.00084	T
Benzene	0.00050 U	mg/Kg	0.0030	0.00050	T
Dibromomethane	0.00060 U	mg/Kg	0.0030	0.00060	T
1,2-Dichloropropane	0.00054 U	mg/Kg	0.0030	0.00054	T
Trichloroethene	0.00074 U	mg/Kg	0.0030	0.00074	T
Bromodichloromethane	0.00053 U	mg/Kg	0.0030	0.00053	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

QC Batch: MSVt/5766 **Analysis Method:** SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2301880001, T2301880002, T2301880003, T2301880004, T2301880005, T2301880006, T2301880007, T2301880008, T2301880009, T2301880010

Parameter	Results	Units	PQL	MDL	Lab
2-Chloroethyl Vinyl Ether	0.0026 U	mg/Kg	0.0030	0.0026	T
cis-1,3-Dichloropropene	0.0021 U	mg/Kg	0.0030	0.0021	T
4-Methyl-2-pentanone (MIBK)	0.00068 U	mg/Kg	0.0030	0.00068	T
trans-1,3-Dichloropropylene	0.0018 U	mg/Kg	0.0030	0.0018	T
1,1,2-Trichloroethane	0.00049 U	mg/Kg	0.0030	0.00049	T
Toluene	0.00037 U	mg/Kg	0.0030	0.00037	T
1,3-Dichloropropane	0.00043 U	mg/Kg	0.0030	0.00043	T
2-Hexanone	0.0015 U	mg/Kg	0.0030	0.0015	T
Dibromochloromethane	0.0017 U	mg/Kg	0.0030	0.0017	T
Ethylene Dibromide (EDB)	0.00050 U	mg/Kg	0.0030	0.00050	T
Tetrachloroethylene (PCE)	0.00057 U	mg/Kg	0.0030	0.00057	T
1,1,1,2-Tetrachloroethane	0.00096 U	mg/Kg	0.0030	0.00096	T
Chlorobenzene	0.00044 U	mg/Kg	0.0030	0.00044	T
Ethylbenzene	0.00036 U	mg/Kg	0.0030	0.00036	T
Bromoform	0.0020 U	mg/Kg	0.0030	0.0020	T
Styrene	0.00040 U	mg/Kg	0.0030	0.00040	T
1,1,2,2-Tetrachloroethane	0.00051 U	mg/Kg	0.0030	0.00051	T
1,2,3-Trichloropropane	0.0017 U	mg/Kg	0.0030	0.0017	T
Isopropylbenzene	0.00063 U	mg/Kg	0.0030	0.00063	T
Bromobenzene	0.00056 U	mg/Kg	0.0030	0.00056	T
n-propylbenzene	0.00070 U	mg/Kg	0.0030	0.00070	T
2-Chlorotoluene	0.00067 U	mg/Kg	0.0030	0.00067	T
4-Chlorotoluene	0.00074 U	mg/Kg	0.0030	0.00074	T
1,3,5-Trimethylbenzene	0.00067 U	mg/Kg	0.0030	0.00067	T
tert-butylbenzene	0.00091 U	mg/Kg	0.0030	0.00091	T
1,2,4-Trimethylbenzene	0.00088 U	mg/Kg	0.0030	0.00088	T
sec-butylbenzene	0.00067 U	mg/Kg	0.0030	0.00067	T
1,3-Dichlorobenzene	0.00055 U	mg/Kg	0.0030	0.00055	T
1,4-Dichlorobenzene	0.00066 U	mg/Kg	0.0030	0.00066	T
1,2-Dichlorobenzene	0.00048 U	mg/Kg	0.0030	0.00048	T
n-Butylbenzene	0.00082 U	mg/Kg	0.0030	0.00082	T
1,2-Dibromo-3-Chloropropane	0.0013 U	mg/Kg	0.0030	0.0013	T
1,2,4-Trichlorobenzene	0.00065 U	mg/Kg	0.0030	0.00065	T





FINAL

Workorder: Clearwater PSTA (T2301880)

QC Batch: MSVt/5766 Analysis Method: SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2301880001, T2301880002, T2301880003, T2301880004, T2301880005, T2301880006, T2301880007, T2301880008, T2301880009, T2301880010

Parameter	Results	Units	PQL	MDL	Lab
Naphthalene	0.0014 U	mg/Kg	0.0030	0.0014	T
Hexachlorobutadiene	0.0015 U	mg/Kg	0.0030	0.0015	T
1,2,3-Trichlorobenzene	0.00080 U	mg/Kg	0.0030	0.00080	T
Xylene (Total)	0.0013 U	mg/Kg	0.0060	0.0013	T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	48	96	69 - 134	T
Bromofluorobenzene (S)	ug/L	50	39	78	79 - 126	T
Toluene-d8 (S)	ug/L	50	36	72	72 - 122	T

Lab Control Sample (4649440); Lab Control Sample Duplicate (4649441); Parent Lab Sample (T2301880001, T2301880002, T2301880003, T2301880004, T2301880005, T2301880006, T2301880007, T2301880008, T2301880009, T2301880010)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.1	485		.09	438	10		T
Chloromethane	mg/Kg	0.02	.09	426		.08	389	9		T
Vinyl Chloride	mg/Kg	0.02	.03	130	70 - 130	.03	125	3	20	T
Bromomethane	mg/Kg	0.02	.06	307		.06	299	3		T
Chloroethane	mg/Kg	0.02	.05	268		.05	252	6		T
Trichlorofluoromethane	mg/Kg	0.02	.04	198		.04	181	9		T
Acetone	mg/Kg	0.02	.04	197		.03	172	14		T
1,1-Dichloroethylene	mg/Kg	0.02	.02	104	70 - 130	.02	92	12	20	T
Methylene Chloride	mg/Kg	0.02	.04	189		.03	170	11		T
Carbon Disulfide	mg/Kg	0.02	.01	51		.01	45	12		T
trans-1,2-Dichloroethylene	mg/Kg	0.02	.02	122		.02	112	9		T
Methyl tert-butyl Ether (MT)	mg/Kg	0.02	.03	123	70 - 130	.02	109	12	20	T
1,1-Dichloroethane	mg/Kg	0.02	.02	121		.02	109	11		T
2-Butanone (MEK)	mg/Kg	0.02	.03	172		.03	151	13		T
cis-1,2-Dichloroethylene	mg/Kg	0.02	.03	130	70 - 130	.02	120	8	20	T
Chloroform	mg/Kg	0.02	.02	112	70 - 130	.02	102	9	20	T
1,2-Dichloroethane	mg/Kg	0.02	.03	145		.03	131	10		T
1,1,1-Trichloroethane	mg/Kg	0.02	.03	140		.03	127	9		T
Carbon Tetrachloride	mg/Kg	0.02	.03	159		.03	146	9		T
Benzene	mg/Kg	0.02	.02	88	70 - 130	.02	79	11	20	T
1,2-Dichloropropane	mg/Kg	0.02	.02	114		.02	99	14		T

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Workorder: Clearwater PSTA (T2301880)

QC Batch: MSVt/5766 Analysis Method: SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2301880001, T2301880002, T2301880003, T2301880004, T2301880005, T2301880006, T2301880007, T2301880008, T2301880009, T2301880010

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
Trichloroethene	mg/Kg	0.02	.02	111	70 - 130	.02	98	12	20	T
Bromodichloromethane	mg/Kg	0.02	.02	113		.02	101	11		T
cis-1,3-Dichloropropene	mg/Kg	0.02	.02	90		.02	80	12		T
4-Methyl-2-pentanone (MIB)	mg/Kg	0.02	.03	171		.03	153	11		T
trans-1,3-Dichloropropylene	mg/Kg	0.02	.02	100		.02	89	12		T
1,1,2-Trichloroethane	mg/Kg	0.02	.02	104		.02	90	14		T
Toluene	mg/Kg	0.02	.02	80	70 - 130	.01	72	11	20	T
2-Hexanone	mg/Kg	0.02	.03	130		.02	118	9		T
Dibromochloromethane	mg/Kg	0.02	.02	116		.02	102	13		T
Ethylene Dibromide (EDB)	mg/Kg	0.02	.02	90		.02	81	11		T
Tetrachloroethylene (PCE)	mg/Kg	0.02	.03	129	70 - 130	.02	119	8	20	T
Chlorobenzene	mg/Kg	0.02	.02	97	70 - 130	.02	85	13	20	T
Ethylbenzene	mg/Kg	0.02	.02	83	70 - 130	.02	74	11	20	T
Bromoform	mg/Kg	0.02	.03	130		.02	115	12		T
Styrene	mg/Kg	0.02	.02	89		.02	79	12		T
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.01	61		.01	55	11		T
Isopropylbenzene	mg/Kg	0.02	.02	80		.02	73	9		T
1,3-Dichlorobenzene	mg/Kg	0.02	.02	94	70 - 130	.02	87	8	20	T
1,4-Dichlorobenzene	mg/Kg	0.02	.02	95		.02	88	7		T
1,2-Dichlorobenzene	mg/Kg	0.02	.02	93	70 - 130	.02	84	10	20	T
1,2-Dibromo-3-Chloropropa	mg/Kg	0.02	.02	98		.02	89	10		T
1,2,4-Trichlorobenzene	mg/Kg	0.02	.02	105		.02	97	9		T
Xylene (Total)	mg/Kg	0.06	.05	83	70 - 130	.05	74	11	20	T
1,1-Dichloropropene	mg/Kg	0.02	.02	96		.02	86	11		T
1,1,1,2-Tetrachloroethane	mg/Kg	0.02	.02	120		.02	106	13		T
1,2,3-Trichlorobenzene	mg/Kg	0.02	.02	106		.02	97	8		T
1,2,3-Trichloropropane	mg/Kg	0.02	.01	63		.01	57	9		T
1,2,4-Trimethylbenzene	mg/Kg	0.02	.01	70	70 - 130	.02	73	4	20	T
1,3,5-Trimethylbenzene	mg/Kg	0.02	.02	76		.01	70	7		T
1,3-Dichloropropane	mg/Kg	0.02	.01	69		.01	63	8		T
2,2-Dichloropropane	mg/Kg	0.02	.02	122		.02	108	12		T
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.03	160		.03	133	18		T
2-Chlorotoluene	mg/Kg	0.02	.01	68		.01	62	8		T





FINAL

Workorder: Clearwater PSTA (T2301880)

QC Batch: MSVt/5766 Analysis Method: SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2301880001, T2301880002, T2301880003, T2301880004, T2301880005, T2301880006, T2301880007, T2301880008, T2301880009, T2301880010

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
4-Chlorotoluene	mg/Kg	0.02	.01	67		.01	61	10		T
Acrolein (Propenal)	mg/Kg	0.10	.37	373		.35	354	5		T
Bromobenzene	mg/Kg	0.02	.01	57		.01	51	12		T
Dibromomethane	mg/Kg	0.02	.02	112		.02	102	9		T
Hexachlorobutadiene	mg/Kg	0.02	.03	127		.02	114	10		T
Naphthalene	mg/Kg	0.02	.01	65		.01	61	7		T
n-Butylbenzene	mg/Kg	0.02	.01	66		.01	59	10		T
n-propylbenzene	mg/Kg	0.02	.01	67		.01	61	9		T
sec-butylbenzene	mg/Kg	0.02	.02	73		.01	67	8		T
Vinyl Acetate	mg/Kg	0.02	.06	295		.05	255	14		T
Acrylonitrile	mg/Kg	0.02	.04	180		.03	157	14		T
Iodomethane (Methyl Iodid	mg/Kg	0.02	.03	148		.03	135	9		T
tert-butylbenzene	mg/Kg	0.02	.02	91		.02	81	11		T
Bromochloromethane	mg/Kg	0.02	.04	177		.03	159	11		T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Dup Result	Dup Recovery	RPD	RPD Limit	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	50	99	69 - 134	49	98	1		T
Bromofluorobenzene (S)	ug/L	50	40	80	79 - 126	40	79	1		T
Toluene-d8 (S)	ug/L	50	36	72	72 - 122	36	72	1		T

Matrix Spike (4649442); Parent Lab Sample (T2301869001)

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Dichlorodifluoromethane	mg/Kg	0.02	.09	462		T
Chloromethane	mg/Kg	0.02	.08	415		T
Vinyl Chloride	mg/Kg	0.02	.02	107	70 - 130	T
Bromomethane	mg/Kg	0.02	.07	333		T
Chloroethane	mg/Kg	0.02	.05	269		T
Trichlorofluoromethane	mg/Kg	0.02	.04	192		T
1,1-Dichloroethylene	mg/Kg	0.02	.02	99	70 - 130	T
Methylene Chloride	mg/Kg	0.02	.04	183		T
trans-1,2-Dichloroethylene	mg/Kg	0.02	.02	119		T
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	.02	120	70 - 130	T
1,1-Dichloroethane	mg/Kg	0.02	.02	117		T

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Workorder: Clearwater PSTA (T2301880)

QC Batch: MSVt/5766 Analysis Method: SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2301880001, T2301880002, T2301880003, T2301880004, T2301880005, T2301880006, T2301880007, T2301880008, T2301880009, T2301880010

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
cis-1,2-Dichloroethylene	mg/Kg	0.02	.03	130	70 - 130	T
Chloroform	mg/Kg	0.02	.02	110	70 - 130	T
1,2-Dichloroethane	mg/Kg	0.02	.03	145		T
1,1,1-Trichloroethane	mg/Kg	0.02	.03	135		T
Carbon Tetrachloride	mg/Kg	0.02	.03	155		T
Benzene	mg/Kg	0.02	.02	85	70 - 130	T
1,2-Dichloropropane	mg/Kg	0.02	.02	110		T
Trichloroethene	mg/Kg	0.02	.02	108	70 - 130	T
Bromodichloromethane	mg/Kg	0.02	.02	110		T
cis-1,3-Dichloropropene	mg/Kg	0.02	.02	89		T
trans-1,3-Dichloropropylene	mg/Kg	0.02	.02	98		T
1,1,2-Trichloroethane	mg/Kg	0.02	.02	103		T
Toluene	mg/Kg	0.02	.02	79	70 - 130	T
Dibromochloromethane	mg/Kg	0.02	.02	114		T
Tetrachloroethylene (PCE)	mg/Kg	0.02	.03	124	70 - 130	T
Chlorobenzene	mg/Kg	0.02	.02	94	70 - 130	T
Ethylbenzene	mg/Kg	0.02	.02	81	70 - 130	T
Bromoform	mg/Kg	0.02	.03	131		T
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	.01	62		T
Isopropylbenzene	mg/Kg	0.02	.02	79		T
1,3-Dichlorobenzene	mg/Kg	0.02	.02	93	70 - 130	T
1,4-Dichlorobenzene	mg/Kg	0.02	.02	94		T
1,2-Dichlorobenzene	mg/Kg	0.02	.02	93	70 - 130	T
Xylene (Total)	mg/Kg	0.06	.05	81	70 - 130	T
1,2,4-Trimethylbenzene	mg/Kg	0.02	.02	73	70 - 130	T
1,3,5-Trimethylbenzene	mg/Kg	0.02	.02	75		T
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	.03	170		T
Acrolein (Propenal)	mg/Kg	0.10	.41	409		T
Acrylonitrile	mg/Kg	0.02	.04	185		T

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
1,2-Dichloroethane-d4 (S)	ug/L	50	49	98	69 - 134	T
Bromofluorobenzene (S)	ug/L	50	40	80	79 - 126	T





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FINAL

Workorder: Clearwater PSTA (T2301880)

QC Batch: MSVt/5766 Analysis Method: SW-846 8260B
Preparation Method: SW-846 5035
Associated Lab IDs: T2301880001, T2301880002, T2301880003, T2301880004, T2301880005, T2301880006, T2301880007, T2301880008, T2301880009, T2301880010

Surrogates

Parameter	Units	Spiked Amount	Spike Result	Spike Recovery	Control Limits	Lab
Toluene-d8 (S)	ug/L	50	36	72	72 - 122	T

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FINAL

Workorder: Clearwater PSTA (T2301880)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
CVAm/1294 - SW-846 7471A			
T2301880001	SB-1 (0-0.5)	DGMm/3410	SW-846 7471A
T2301880002	SB-1 (0.5-2)	DGMm/3410	SW-846 7471A
T2301880003	SB-2 (0-0.5)	DGMm/3410	SW-846 7471A
T2301880004	SB-2 (0.5-2)	DGMm/3410	SW-846 7471A
T2301880005	SB-3 (0-0.5)	DGMm/3410	SW-846 7471A
T2301880006	SB-3 (0.5-2)	DGMm/3410	SW-846 7471A
T2301880007	SB-4 (0-0.5)	DGMm/3410	SW-846 7471A
T2301880008	SB-4 (0.5-2)	DGMm/3410	SW-846 7471A
T2301880009	SB-5 (0-0.5)	DGMm/3410	SW-846 7471A
T2301880010	SB-5 (0.5-2)	DGMm/3410	SW-846 7471A
ICPt/3431 - SW-846 6010			
T2301880001	SB-1 (0-0.5)	DGMt/5533	SW-846 3050B
T2301880002	SB-1 (0.5-2)	DGMt/5533	SW-846 3050B
T2301880003	SB-2 (0-0.5)	DGMt/5533	SW-846 3050B
T2301880004	SB-2 (0.5-2)	DGMt/5533	SW-846 3050B
T2301880005	SB-3 (0-0.5)	DGMt/5533	SW-846 3050B
T2301880006	SB-3 (0.5-2)	DGMt/5533	SW-846 3050B
T2301880007	SB-4 (0-0.5)	DGMt/5533	SW-846 3050B
T2301880008	SB-4 (0.5-2)	DGMt/5533	SW-846 3050B
T2301880009	SB-5 (0-0.5)	DGMt/5533	SW-846 3050B
T2301880010	SB-5 (0.5-2)	DGMt/5533	SW-846 3050B
MSSt/2286 - SW-846 8270C (SIM)			
T2301880001	SB-1 (0-0.5)	EXTt/3778	SW-846 3550B
T2301880002	SB-1 (0.5-2)	EXTt/3778	SW-846 3550B
T2301880003	SB-2 (0-0.5)	EXTt/3778	SW-846 3550B
T2301880004	SB-2 (0.5-2)	EXTt/3778	SW-846 3550B
T2301880005	SB-3 (0-0.5)	EXTt/3778	SW-846 3550B
T2301880006	SB-3 (0.5-2)	EXTt/3778	SW-846 3550B
T2301880007	SB-4 (0-0.5)	EXTt/3778	SW-846 3550B
T2301880008	SB-4 (0.5-2)	EXTt/3778	SW-846 3550B
T2301880009	SB-5 (0-0.5)	EXTt/3778	SW-846 3550B
T2301880010	SB-5 (0.5-2)	EXTt/3778	SW-846 3550B





FINAL

Workorder: Clearwater PSTA (T2301880)

QC Cross Reference

Lab ID	Sample ID	Prep Batch	Prep Method
MSVt/5766 - SW-846 8260B			
T2301880001	SB-1 (0-0.5)	MSVt/5765	SW-846 5035
T2301880002	SB-1 (0.5-2)	MSVt/5765	SW-846 5035
T2301880003	SB-2 (0-0.5)	MSVt/5765	SW-846 5035
T2301880004	SB-2 (0.5-2)	MSVt/5765	SW-846 5035
T2301880005	SB-3 (0-0.5)	MSVt/5765	SW-846 5035
T2301880006	SB-3 (0.5-2)	MSVt/5765	SW-846 5035
T2301880007	SB-4 (0-0.5)	MSVt/5765	SW-846 5035
T2301880008	SB-4 (0.5-2)	MSVt/5765	SW-846 5035
T2301880009	SB-5 (0-0.5)	MSVt/5765	SW-846 5035
T2301880010	SB-5 (0.5-2)	MSVt/5765	SW-846 5035
WCAI/17993 - SM 2540G			
T2301880001	SB-1 (0-0.5)		
T2301880002	SB-1 (0.5-2)		
T2301880003	SB-2 (0-0.5)		
T2301880004	SB-2 (0.5-2)		
T2301880005	SB-3 (0-0.5)		
T2301880006	SB-3 (0.5-2)		
T2301880007	SB-4 (0-0.5)		
T2301880008	SB-4 (0.5-2)		
T2301880009	SB-5 (0-0.5)		
T2301880010	SB-5 (0.5-2)		

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Fax: (813) 630-4327

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Workorder: Clearwater PSTA (T2301880)

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☐ Gainesville, 4965 SW 14th Blvd, FL 32609 • 352.777.2345 • Lab ID: E82001
☐ Miramar, 10200 USA Today Way, FL 32525 • 850.889.2288 • Lab ID: E82535
☐ Tampa, 8610 Princess Palm Ave, FL 33619 • 813.630.9616 • Lab ID: E84589

☐ Altamonte Springs, 380 Northlake Blvd, Ste. 104E, FL 32701 • 407.937.1594 • Lab ID: E83076
☐ Fort Myers, 13100 Westlakes Terrace, Ste. 10, FL 33913 • 239.674.8130 • Lab ID: E84462
☐ Jacksonville, 6681 Southpoint Pkwy, FL 32216 • 904.393.9350 • Lab ID: E82574
☐ Tallahassee, 2639 North Monroe St, Suite D, FL 32303 • 850.218.6274 • Lab ID: E811095

Advanced Environmental Laboratories, Inc.

Client Name: Cardno
Address: 380 Park Place Blvd, Suite 300
City: Clearwater, FL 33759
Phone: 813-928-9441
FAX:
Contact: Alex Jones
Sampled By: Alex Jones
Turn Around Time: Standard
Special Instructions: no adapt
FDEP Facility Addr:
FDEP Facility Addr:

Project Name: Clearwater PSTA
Project Number:
PO Number:
FDEP Facility No:
FDEP Facility Addr:

ANALYSIS REQUIRED

BOTTLE SIZE & TYPE

LABORATORY I.D. NUMBER

* T 2 3 0 1 8 8 0 *

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	EQUS		ADAPT	Other	NO. COUNT	PRESERVATION	FIELD	LABORATORY I.D. NUMBER
			DATE	TIME						
SB-1 20-0.5			1/26	1025		SD	6			001
SB-1 20-0.5-2				1030						002
SB-2 20-0.5				1100						003
SB-2 20-0.5-2				1105						004
SB-3 20-0.5				1130						005
SB-3 20-0.5-2				1135						006
SB-4 20-0.5				1215						007
SB-4 20-0.5-2				1220						008
SB-5 20-0.5				1250						009
SB-5 20-0.5-2				1255						010

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge
Received on Ice ☐ Yes ☐ No ☒ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked
DCN: AD-D051web Form last revised 08/07/2019

Temp. when received (observed) _____ °C Temp. when received (corrected) _____ °C
J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V F: 1A

FOR DRINKING WATER USE:
(When PWS Information not otherwise supplied) PWS ID: _____
Contact Person: _____
Supplier of Water: _____
Site Address: _____

