FINAL REPORT

April 2021 Monitoring Report

Former Philips Services Corporation Site
Rock Hill, South Carolina

South Carolina
Department of Health and
Environmental Control

June 7, 2021

CDM Smith

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Acronyms/Abbreviations

DCA	Dichloroethane
DCE	Dichloroethene
DHEC	Department of Health and Environmental Control
EPA	Environmental Protection Agency
IDW	Investigation-derived waste
LNAPL	light non-aqueous phase liquid
LSASD	Laboratory Services and Applied Science Division
NTU	Nephelometric turbidity unit
PCE	Tetrachloroethene
PROC	Operating procedure
PSC	Philips Services Corporation
RG	Remedial Goal
SESD	Science and Ecosystem Support Division
TCE	Trichloroethene
VOC	Volatile organic compound
WLI	Water-level indicator

Section 1
Introduction

CDM Smith has completed a groundwater and surface monitoring event for the Former Philip Services Corporation (PSC) Site located in Rock Hill, South Carolina. The monitoring was performed for the South Carolina Department of Health and Environmental Control (DHEC) to assess the current volatile organic compound (VOC) distributions in groundwater and surface water. The monitoring was completed in April 2021 and the monitoring locations are shown on **Figure 1**.

The contaminants of concern for the site are primarily VOCs that were released during the historic operations at the when it was used as a hazardous waste treatment, storage, and disposal facility. Multiple VOCs are present in groundwater at the Site, and they are generally classified as chlorinated ethenes, chlorinated ethanes, chlorinated methanes, chlorinated benzenes, and aromatic hydrocarbons. Remedial Goals (RGs) have been established by DHEC for select VOCs in groundwater at this site and the RGs have been used for data comparisons. The remainder of this report describes the April 2021 monitoring event and results.

Section 2
Monitoring Procedures

The work performed during this monitoring event was consistent with the latest revision of the U.S. Environmental Protection Agency (EPA) Region 4 Field Branches Quality System and Technical Procedures available at the following link.

https://www.epa.gov/quality/quality-system-and-technical-procedures-lsasd-field-branches

The procedures are defined by the Science and Ecosystem Support Division (SESD) and the Laboratory Services and Applied Science Division (LSASD) Operating Procedures (PROC) and were used for field measurements and sampling procedures.

2.1 General Procedures

The current versions of the SESDPROC general procedures listed below were followed for this event.

- SESDPROC-005-R3, Sample and Evidence Management (EPA, May 26, 2016)
- SESDPROC-1002-R0, Logbooks (EPA, October 1, 2017)
- LSASDPROC-205-R4, Field Equipment Cleaning and Decontamination (EPA, June 22, 2020)
- LSASDPROC-209-R4, Packaging, Marking, Labeling and Shipping of Environmental and Waste Samples (EPA, February 23, 2020)

2.2 Water Level Measurement

Water levels were measured according to LSASDPROC-105-R4 (EPA, May 15, 2020). Water levels were recorded within a single effort on May 19, 2021. The water levels were measured using an electronic water-level indicator (WLI) and recorded in the logbook. Wells where light non-aqueous phase liquid (LNAPL) was present, an oil-water interface probe was used to measure the depth to product and depth to water. The measurements were referenced to the top of the well casing and recorded to the nearest 0.01 foot. The downhole sensor was cleaned with an Alconox™ soap solution and rinsed with deionized water between each well according to SESEPROC-205-R4 (EPA, June 22, 2020).

2.3 Field Measurements

Field measurements were collected and recorded on the groundwater sampling logs in **Appendix A**. The measurements were made using a multi-probe device according to the manufacturer's recommendations. The procedures to be used to collect these measurements are referenced below.

- LSASDPROC-100-R5, Field pH Measurement (EPA, July 23, 2020)
- LSASDDPROC-101-R7, Field Specific Conductance Measurement (EPA, May 5, 2020)
- SESDPROC-102-R5, Field Temperature Measurement (EPA(a), March 14, 2018)

- LSASDPROC-105-R4, Groundwater Level and Well Depth Measurement (EPA, May 15, 2020)

2.4 Surface Water Sampling

Surface water samples were collected for VOC analyses from Wildcat Creek that is downgradient of groundwater flow at the Site. The surface water sampling was consistent with SESEPROC-201-R4 (EPA, December 16, 2016). The samples were collected from near the center of the stream channel and collected directly into the sample containers.

2.5 Groundwater Sampling

All groundwater samples were collected from monitoring wells and analyzed for VOCs. Purging and sampling was by the "Low-Flow" method, as defined by SESDPROC-301-R4 (EPA. 26 April 2017). A peristaltic pump was used according to SESDGUID-203-R4, Pump Operation (EPA(b), 14 March 2018). The pump was used with the dedicated Teflon tubing found in each monitoring well, or new Teflon tubing, lowered into the center of screened interval, and the flow rates adjusted to minimize drawdown (i.e., 500 milliliters per minute, or less). The depth to water, temperature, pH, conductivity, oxidation reduction potential, and dissolved oxygen measurements were collected using a multi-parameter water quality meter with a flow-through cell. Purging was performed until the stabilization for the parameters listed below.

- pH – Stabilization within 0.1 standard unit
- Specific Conductance – Stabilization within 5 percent
- Turbidity – Below 10 Nephelometric Turbidity Units (NTUs) or stabilization within 5 percent if higher than 10 NTUs
- Dissolved Oxygen – Stabilization within 0.2 mg/l or 10% saturation, whichever is greater

Groundwater samples were collected immediately following purging. The pump operation was stopped, the tubing was disconnected from the flow-through cell, and the flow through cell was drained into the purge water collection bucket. The tubing was then carefully removed from the monitoring well and the sample containers were slowly filled using the intake end of the tubing. The VOC vials were filled completely, and septum lids tightened so that no headspace was present in the sample vials. Pre-preserved sample containers consisting of 40-ml vials pre-preserved with hydrochloric acid were supplied by the laboratory. The samples were packaged and placed on ice for transport to the laboratory. The purge water was collected in 5-gallon buckets and transferred to the onsite water treatment system for disposal.

2.6 Analytical Procedures

Laboratory analyses were provided by Pace Analytical Services, LLC, West Columbia, South Carolina. All groundwater samples and surface water samples were analyzed for VOCs by Method 8260D. Quality assurance and quality control samples were also submitted for laboratory analyses consisting of 4 trip blanks and 7 field duplicates. The full laboratory reports are provided in **Appendix B**. The laboratory test methods are summarized below.

2.7 Investigation-Derived Waste (IDW) Management

The IDW) consisted of purge water and decontamination solutions that were containerized in 5-gallon buckets and transported to the onsite water treatment system. All general refuse was contained in garbage bags and disposed of as solid waste.

Section 3
Monitoring Results

3.1 Groundwater Results

Samples for VOC analyses were collected from 59 groundwater monitoring wells and 5 surface water locations. The groundwater VOC results are summarized in **Table 1** along with the historical results for the VOCs that have RGS established for the Site. The geochemical field parameters measured during well purging are summarized in **Table 2**.

Two VOCs were detected during this sampling event that do have RGS and are not included in Table 1: 1,1-dichloroethane (DCA) and isopropyl benzene. 1,1-DCA was not identified as Chemicals of Concern in groundwater by the risk assessment reported by the RI (CDM Smith, September 2008). Isopropylbenzene did not have sufficient health-based criteria or a Federal Maximum Contaminant Level to establish an RG, as reported by the FS (CDM Smith, July 2011).

1,1,2-Trichloroethane, carbon tetrachloride, and 1,2,4-trichlorobenzene are VOCs that have RGs but were not detected in any 2021 groundwater samples. The aromatic hydrocarbons toluene, ethylbenzene, and xylenes were detected but not at concentrations that exceeded the RGs. All the 13 remaining VOCs that have RGS were detected at concentrations exceeding the RGs. Chlorinated ethenes were the most frequently detected VOCs in 2021 followed by the chlorinated ethane 1,2-DCA. Of the 59 monitoring wells sampled, 26 wells exceeded one or more RG in the 2021 groundwater samples.

3.2 Surface Water Results

Surface water samples were collected from 5 locations in 2021 and the detected VOCs are summarized in **Table 3**. Surface water RGs have not been established. The VOCs that were detected were cis-1,2-dichloroethene (DCE) and 1,2-DCA. cis-DCE was detected at all locations except for the upgradient sample SW-1. 1,2-DCA was detected at the location furthest downgradient at SW-5.

3.3 Water Level Measurements

Groundwater level measurements were recorded from 76 monitoring wells listed in **Table 4**. LNAPL was detected in 3 wells located in the Fuel Oil area. These wells and the apparent LNAPL thicknesses were OB-11 with 1.0 feet, P-2 with 0.7 feet, and PW-1A with 8.2 feet. LNAPL was not detected in wells EW-1 or OB-22 that contained LNAPL during the 2014 Preliminary Design Investigation (URS, June 2015).

Section 4
Conclusions

CDM Smith prepared VOC concentration contour maps for the VOCs that can be used to fully estimate the extent of RG exceedances. The contour maps were prepared for the following VOCs on the indicated figures.

- Tetrachloroethene (PCE) **Figure 2**
- Trichloroethene (TCE) **Figure 3**
- cis-1,2-DCE **Figure 4**
- Vinyl Chloride **Figure 5**
- 1,1-DCE **Figure 6**
- 1,2-DCA **Figure 7**
- Total benzene, toluene, ethylbenzene, and xylenes **Figure 8**

The concentration contour maps represent a plan view of the combined maximum concentrations in the saprolite/alluvium, transition zone, and bedrock rock zone. The saprolite/alluvium and transition zone were first gridded as one zone and the bedrock zone was gridded separately. The maximum concentrations between the 2 grids were then selected by comparing the layers for both zones. The total area that exceeds one or more RG is also shown on each VOC figure.

As these figures show, the overall extent of VOC exceedances is generally controlled by the extent of the chlorinated ethene parent products PCE and TCE. The chlorinated ethene degradation products cis-1,2-DCE and vinyl chloride exceedances do not occupy as large of an area as the parent products. The chlorinated ethane and aromatic hydrocarbon exceedances are also generally contained within the chlorinated ethene exceedance area. One data point that stands out is for cis-1,2-DCE at bedrock well MW-115B adjacent to Wildcat Creek where the concentration increased from 4.8 ug/L in 2014 to 955 ug/L in 2018 and 2,200 ug/L in 2021.

A potentiometric surface map was prepared for the combined saprolite, alluvium, transition zone, as shown on **Figure 9**. The groundwater flow direction and hydraulic gradient is consistent with previous mapping and shows that the overall flow is toward Wildcat Creek. The hydraulic effects of extraction well EW-2 are also obvious on this figure.

Figure 10 shows the potentiometric surface map for the bedrock zone. The potentiometric surface for the bedrock zone is more irregular than the shallow zone with an apparent mound indicated in the vicinity of RIMW-28 where the water level was measured at approximately 2 feet below land surface and the bedrock zone potentiometric surface is approximately 7 feet higher than the shallow zone potentiometric surface. An additional high point in the bedrock potentiometric surface occurs near RIPZ-2 near Wildcat Creek. The relatively high potentiometric surface measured at RIPZ-2 could represent an upward vertical hydraulic gradient from the bedrock zone into the shallow zone. These 2 areas of higher elevations in the bedrock potentiometric surface are consistent with past bedrock potentiometric surface maps.

Section 5
References

CDM. September 2008. Remedial Investigation Report. Former Philip Services Corporation Site, Rock Hill, South Carolina. Prepared for South Carolina Department of Health and Environmental Control.

CDM. July 2011. Feasibility Study Report. Former Philip Services Corporation (PSC) Site, Rock Hill, South Carolina. Prepared for South Carolina Department of Health and Environmental Control.

EPA. 26 May 2016. Field Branches Quality System and Technical Procedures: SESDPROC-005-R3 (Sample and Evidence Management). EPA Region 4, Science and Ecosystem Support Division, Athens, Georgia.

EPA. 16 December 2016. Field Branches Quality System and Technical Procedures: SESDPROC-201-R4 (Surface Water Sampling). EPA Region 4, Science and Ecosystem Support Division, Athens, Georgia.

EPA. 26 April 2017. Field Branches Quality System and Technical Procedures: SESDPROC-301-R4 (Groundwater Sampling). EPA Region 4, Science and Ecosystem Support Division, Athens, Georgia.

EPA. 01 October 2017. Field Branches Quality System and Technical Procedures: SESDPROC-1002-R0 (Logbooks). EPA Region 4, Science and Ecosystem Support Division, Athens, Georgia.

EPA(a). 14 March 2018. Field Branches Quality System and Technical Procedures: SESDPROC-102-R5 (Field Temperature Measurement). EPA Region 4, Science and Ecosystem Support Division, Athens, Georgia.

EPA(b). 14 March 2018. Field Branches Quality System and Technical Procedures: SESDGUID-203-R4 (Pump Operation). EPA Region 4, Science and Ecosystem Support Division, Athens, Georgia.

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EPA. 05 May 2020. Field Branches Quality System and Technical Procedures: LSASSDPROC-101-R7 (Field Specific Conductance Measurement). EPA Region 4, Science and Ecosystem Support Division, Athens, Georgia.

EPA. 15 May 2020. Field Branches Quality System and Technical Procedures: LSASDPROC-105-R4 (Groundwater Level and Well Depth Measurement). EPA Region 4, Science and Ecosystem Support Division, Athens, Georgia.

EPA. 22 June 2020. Field Branches Quality System and Technical Procedures: LSASDPROC-205-R4 (Field Equipment Cleaning and Decontamination). EPA Region 4, Science and Ecosystem Support Division, Athens, Georgia.

EPA. 23 July 2020. Field Branches Quality System and Technical Procedures: LSASDPROC-100-R5 (Field pH Measurement). EPA Region 4, Science and Ecosystem Support Division, Athens, Georgia.

URS Corporation. June 2015. Preliminary Design Investigation Report. Former Philips Services Corporation Site, Rock Hill, South Carolina. Prepared for Phillip Services Corporation Site PRP Group.

Figures

Aerial Image Source: 2019, Tiles 9170-07, 9170-08, 9171-15, 9171-16, 9171-19, and 9171-20, York County, South Carolina, York County Information Technology Departent GIS Division. https://maps.yorkcountygov.com/gvh5/index.html?viewer=imagery

CDM Smith

Scale in Feet

0 125 250 375 500

W N S E

Rotation = 54.7° East

Surface Water Station

Sample Collection Location

Well Legend

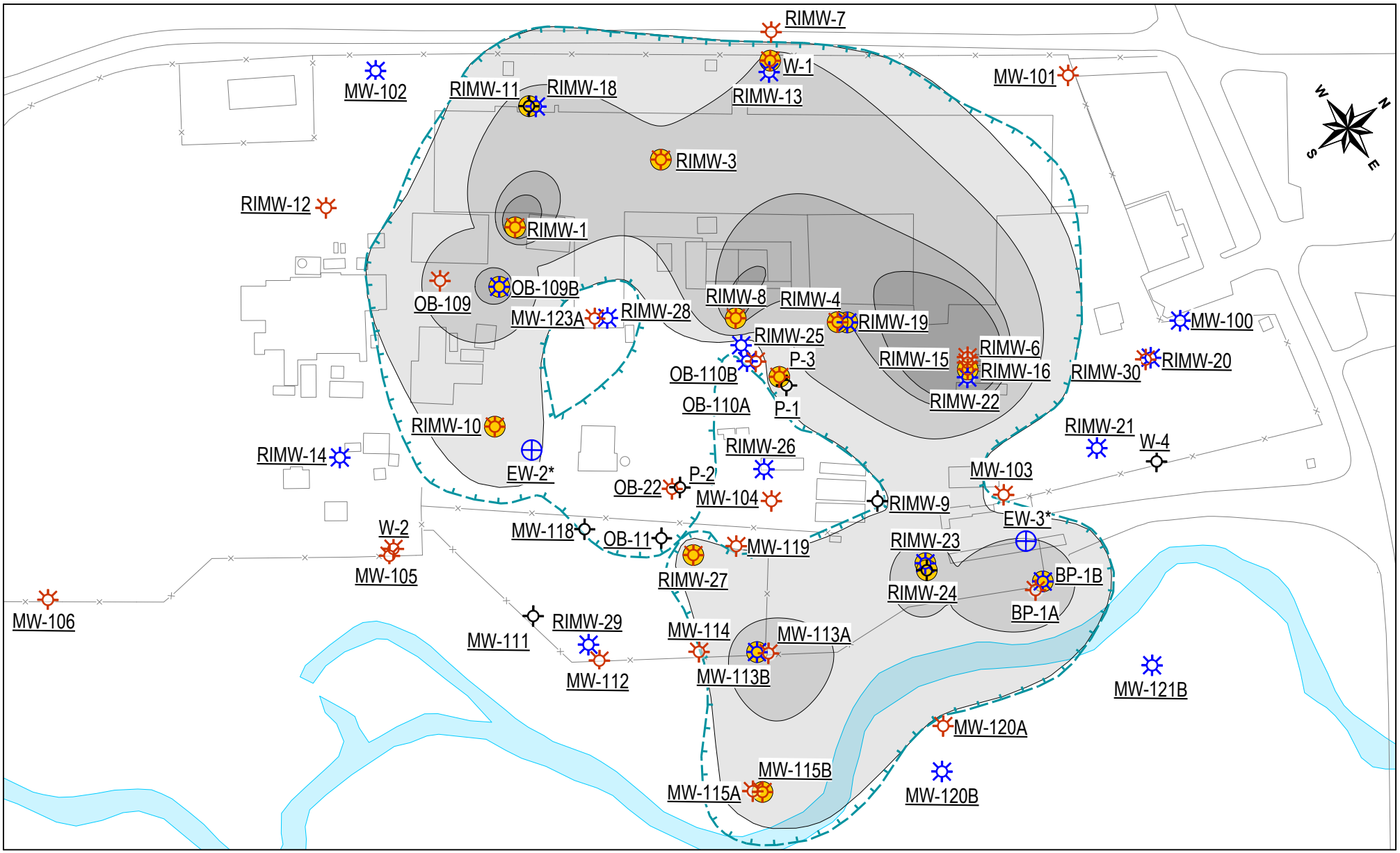
Saprolite | Bedrock

Transition Zone | Undefined

Total well depth posted below well code in feet

Figure 1
Well Location Map

Former PSC Site
Rock Hill, South Carolina



Saprolite Well
Transition Zone Well
Bedrock Well
Extraction Well
Exceeds Remedial Goal
* - No data

Tetrachloroethene in Groundwater

5 ug/L
50 ug/L
500 ug/L
1,000 ug/L

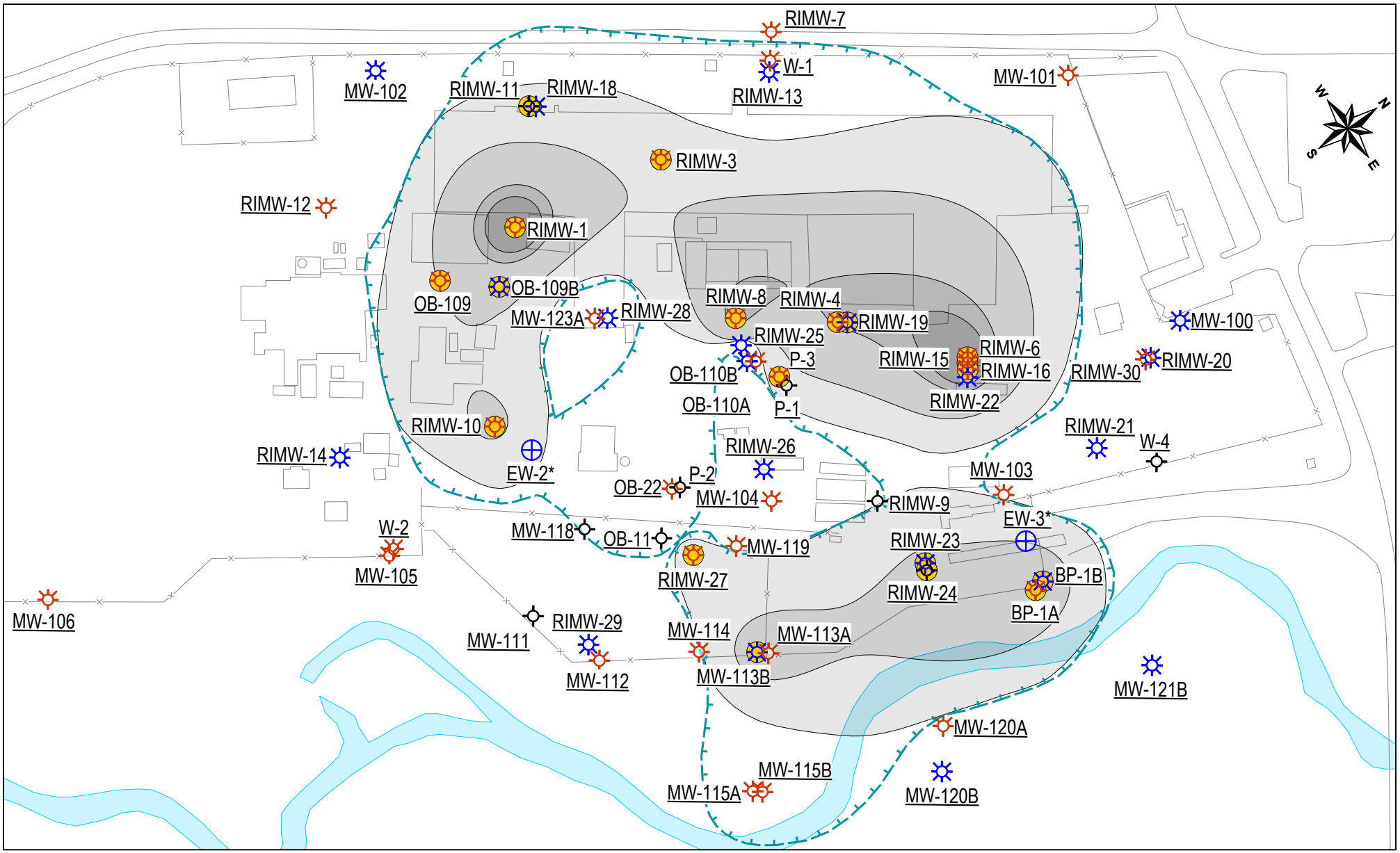
Area Exceeding One or More Remedial Goal

Scale in Feet

0 160 320

CDM Smith

Figure 2
Tetrachloroethene in Groundwater
Former PSC Site
Rock Hill, South Carolina



Saprolite Well
Transition Zone Well
Bedrock Well
Extraction Well
Exceeds Remedial Goal
* - No data

Trichloroethene in Groundwater

5 ug/L
50 ug/L
500 ug/L
1,000 ug/L

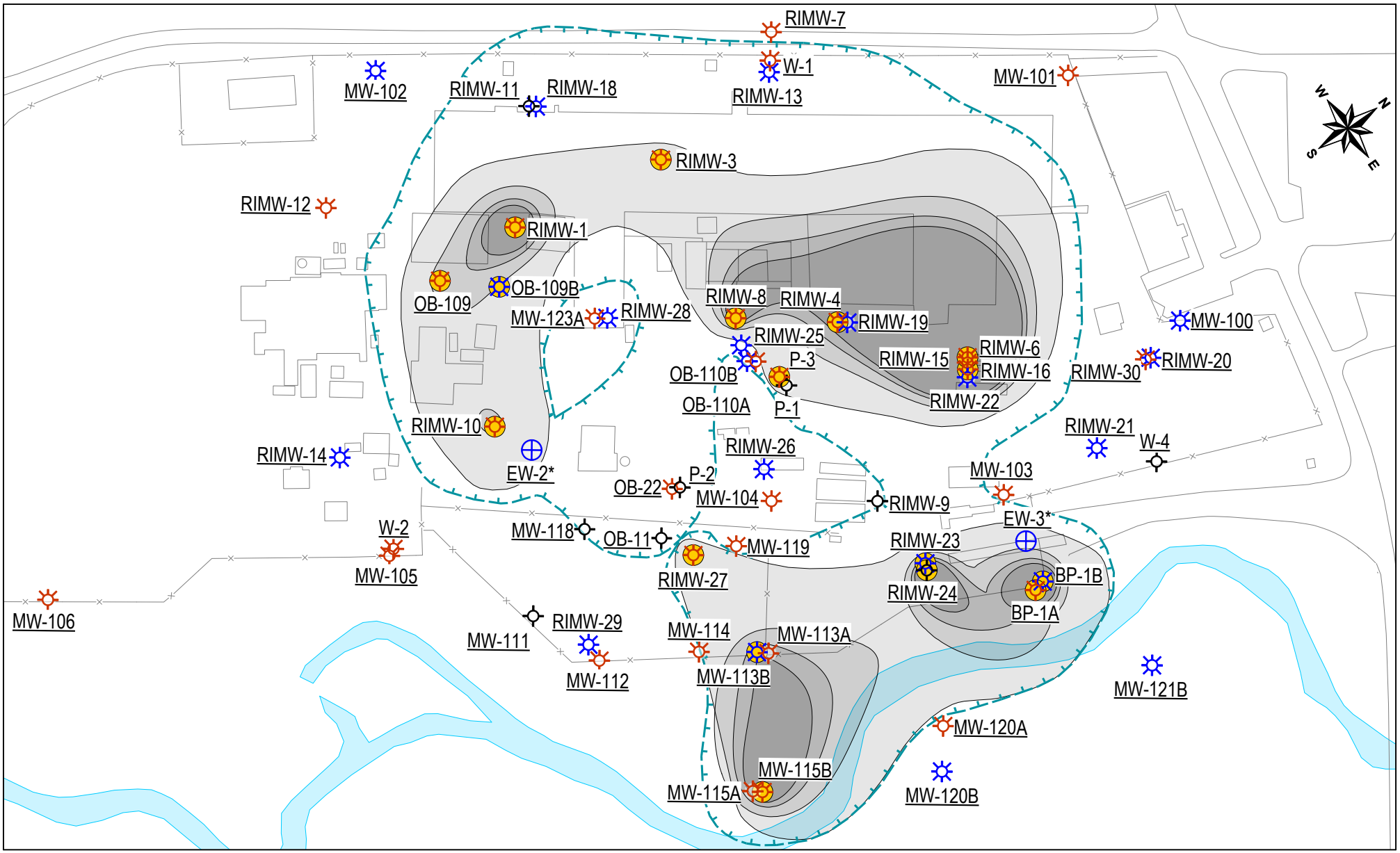
Area Exceeding One or More Remedial Goal

Scale in Feet

0 160 320

CDM Smith

Figure 3
Trichloroethene in Groundwater
Former PSC Site
Rock Hill, South Carolina



Saprolite Well
Transition Zone Well
Bedrock Well
Extraction Well
Exceeds Remedial Goal
* - No data

cis-1,2-Dichloroethene in Groundwater

70 ug/L
350 ug/L
700 ug/L
1,000 ug/L

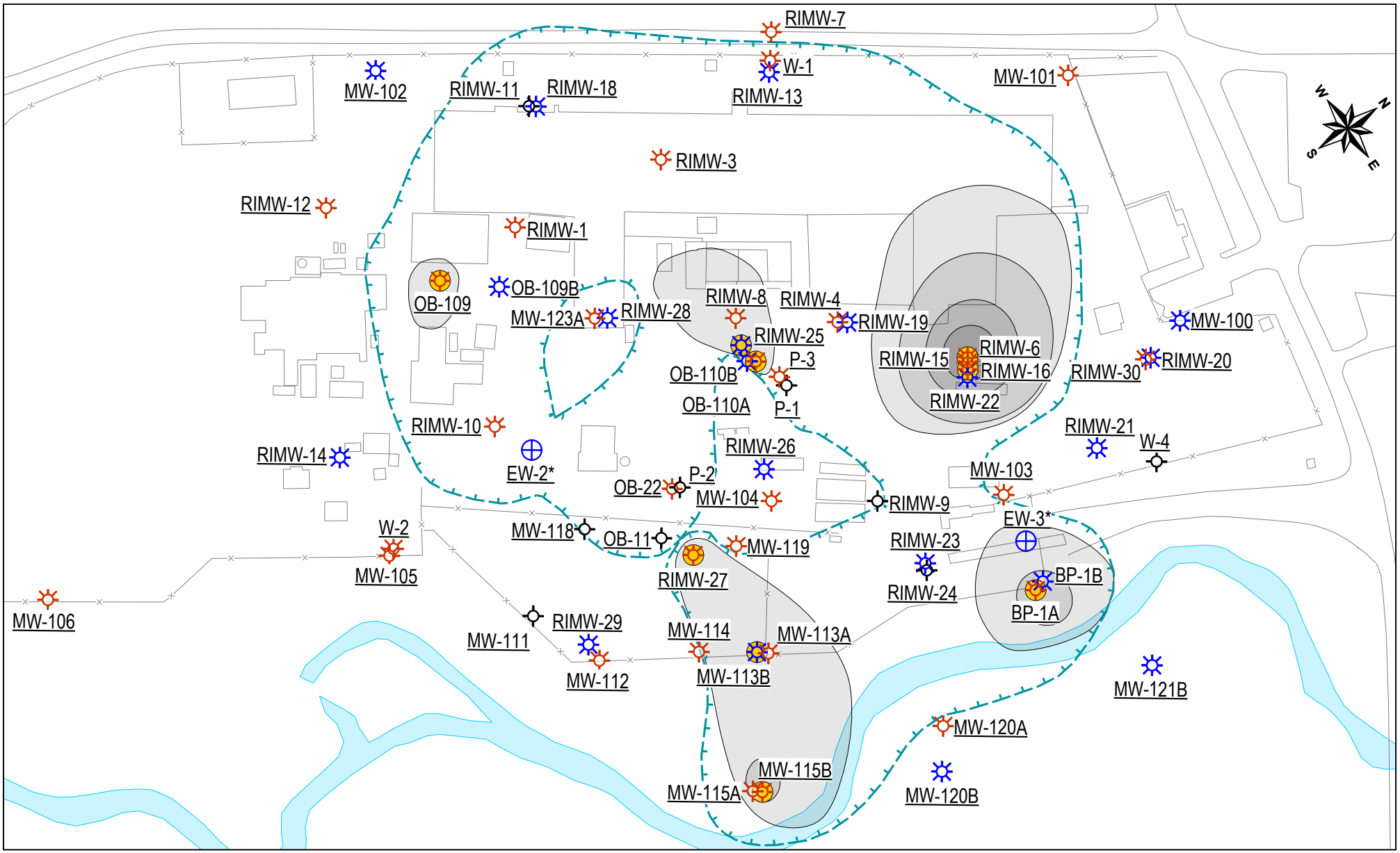
Area Exceeding One or More Remedial Goal

Scale in Feet

0 160 320

CDM Smith

Figure 4
cis-1,2-Dichloroethene in Groundwater
Former PSC Site
Rock Hill, South Carolina



Saprolite Well
Transition Zone Well
Bedrock Well
Extraction Well
Exceeds Remedial Goal
* - No data

Vinyl Chloride in Groundwater

2 ug/L
20 ug/L
200 ug/L
1,000 ug/L

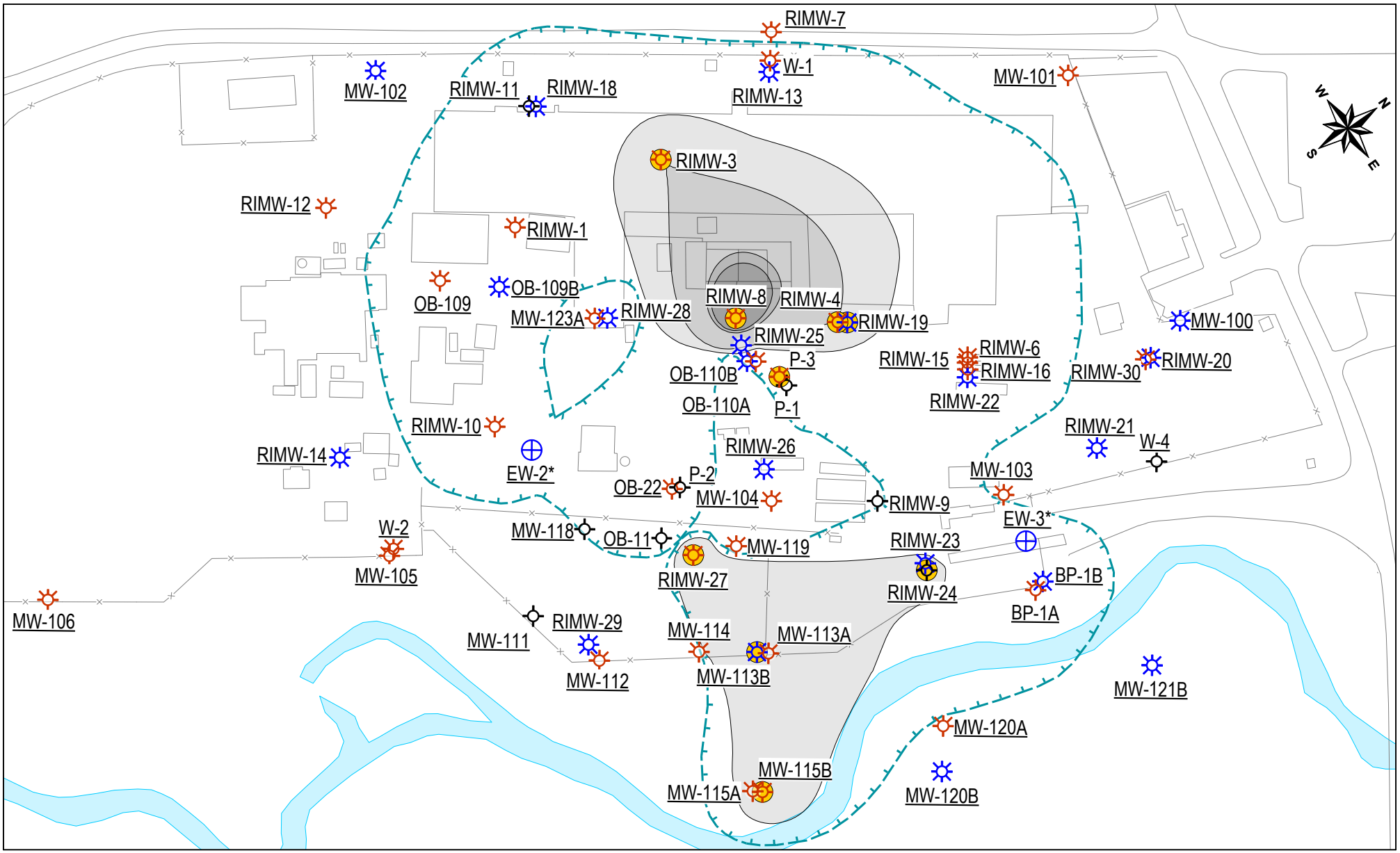
Area Exceeding One or More Remedial Goal

Scale in Feet

0 160 320

CDM Smith

Figure 5
Vinyl Chloride in Groundwater
Former PSC Site
Rock Hill, South Carolina



Saprolite Well
Transition Zone Well
Bedrock Well
Extraction Well
Exceeds Remedial Goal
* - No data

1,1-Dichloroethene in Groundwater

7 ug/L
70 ug/L
700 ug/L
1,000 ug/L

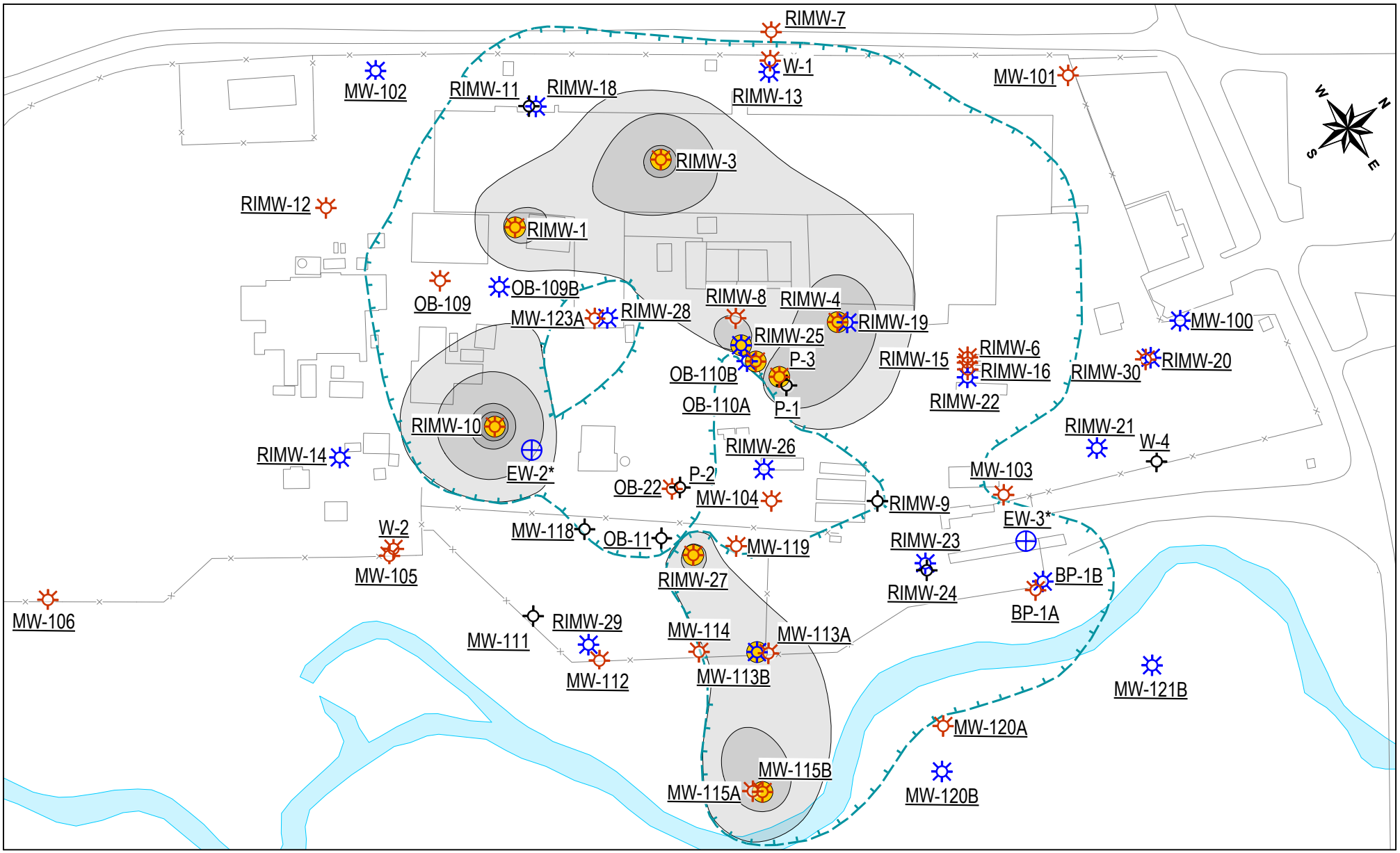
Area Exceeding One or More Remedial Goal

Scale in Feet

0 160 320

CDM Smith

Figure 6
1,1-Dichloroethene in Groundwater
Former PSC Site
Rock Hill, South Carolina



Saprolite Well
Transition Zone Well
Bedrock Well
Extraction Well
Exceeds Remedial Goal
* - No data

1,2-Dichloroethane in Groundwater

5 ug/L
50 ug/L
500 ug/L
1,000 ug/L

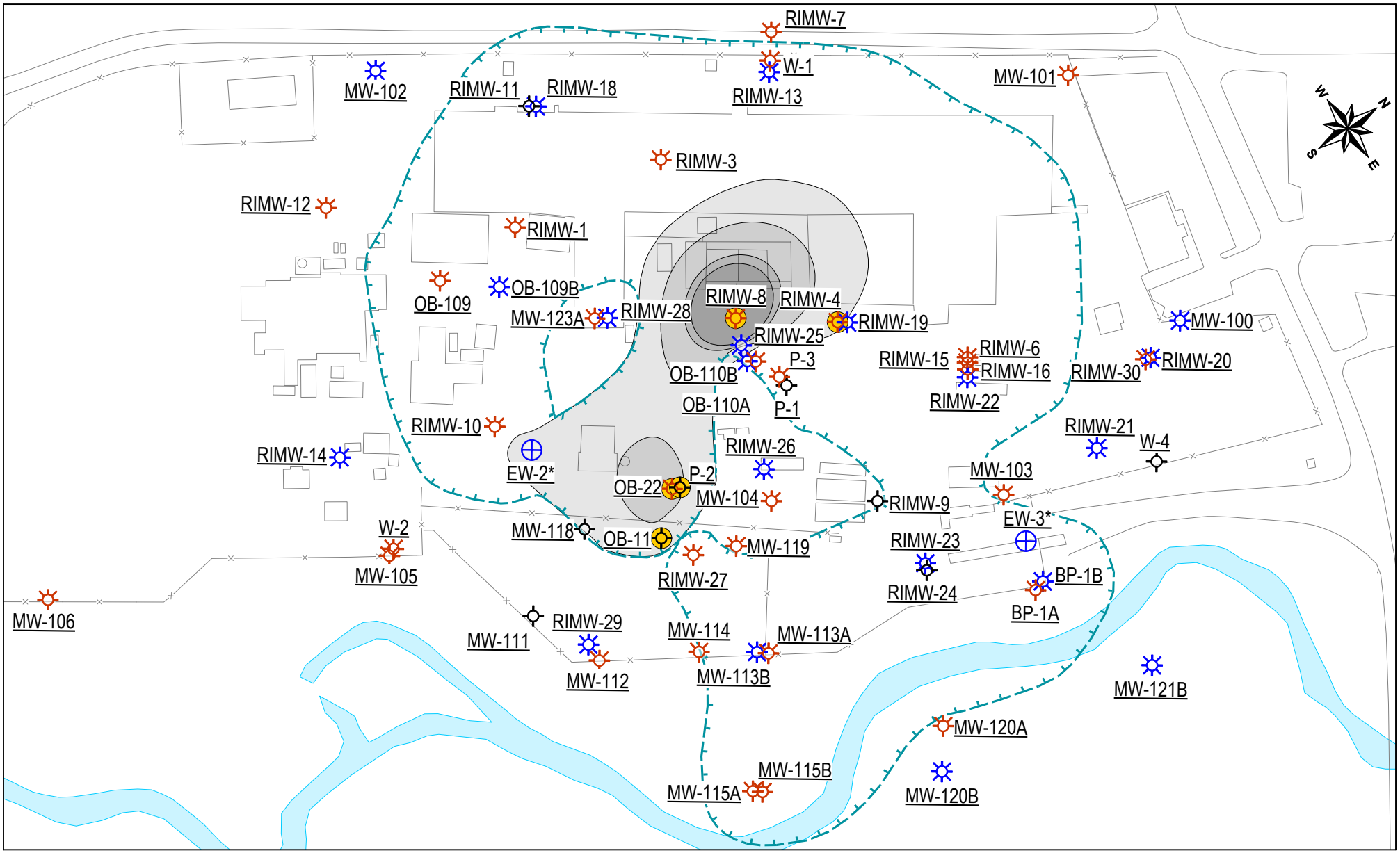
Area Exceeding One or More Remedial Goal

Scale in Feet

0 160 320

CDM Smith

Figure 7
1,2-Dichloroethane in Groundwater
Former PSC Site
Rock Hill, South Carolina



Saprolite Well
Transition Zone Well
Bedrock Well
Extraction Well
Exceeds Remedial Goal
* - No data

BTEX in Groundwater

5 ug/L
50 ug/L
500 ug/L
1,000 ug/L

Area Exceeding One or More Remedial Goal

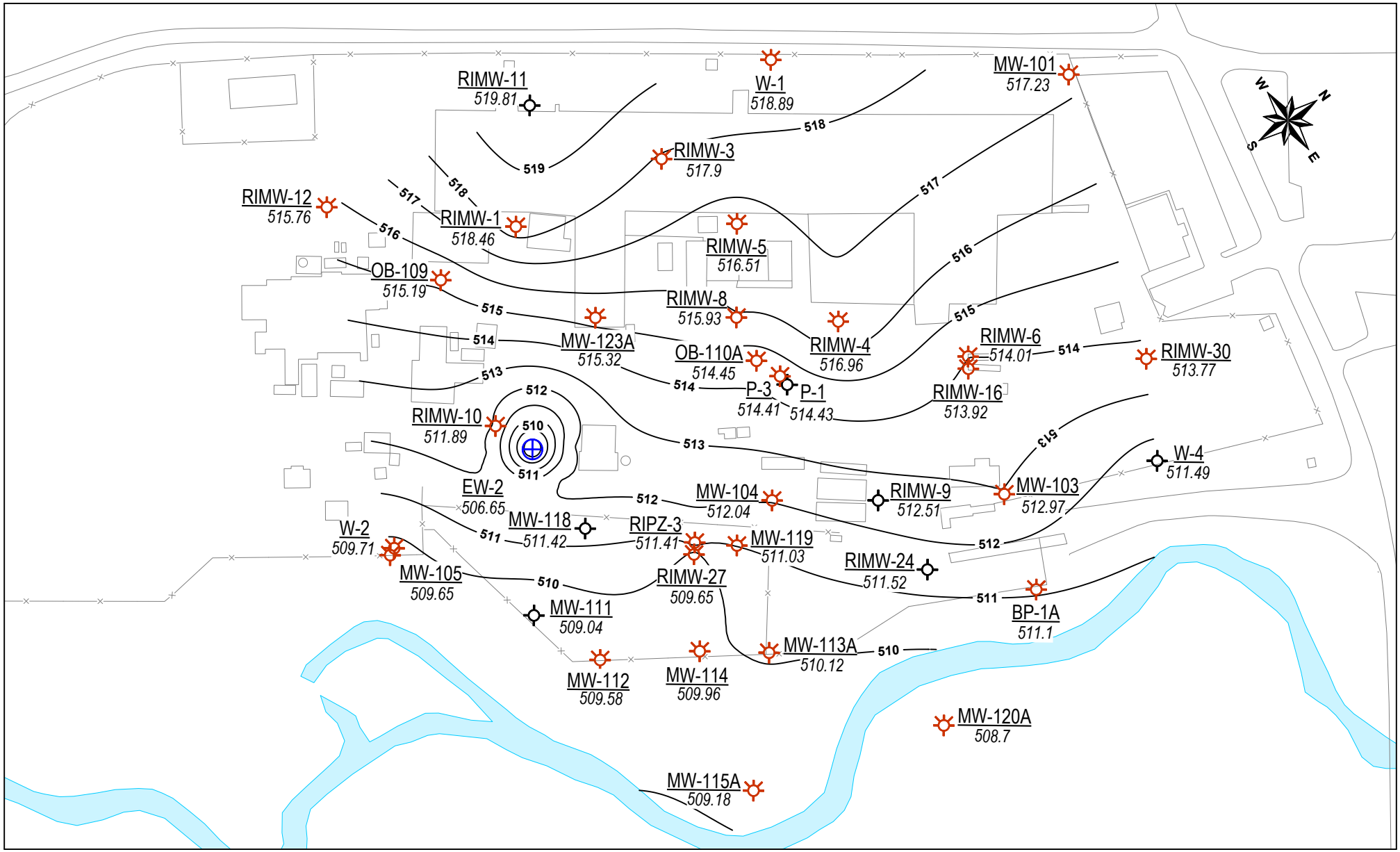
Scale in Feet

0 160 320

BTEX - Sum of benzene, toluene, ethylbenzene, and xylenes

CDM Smith

Figure 8
BTEX in Groundwater
Former PSC Site
Rock Hill, South Carolina



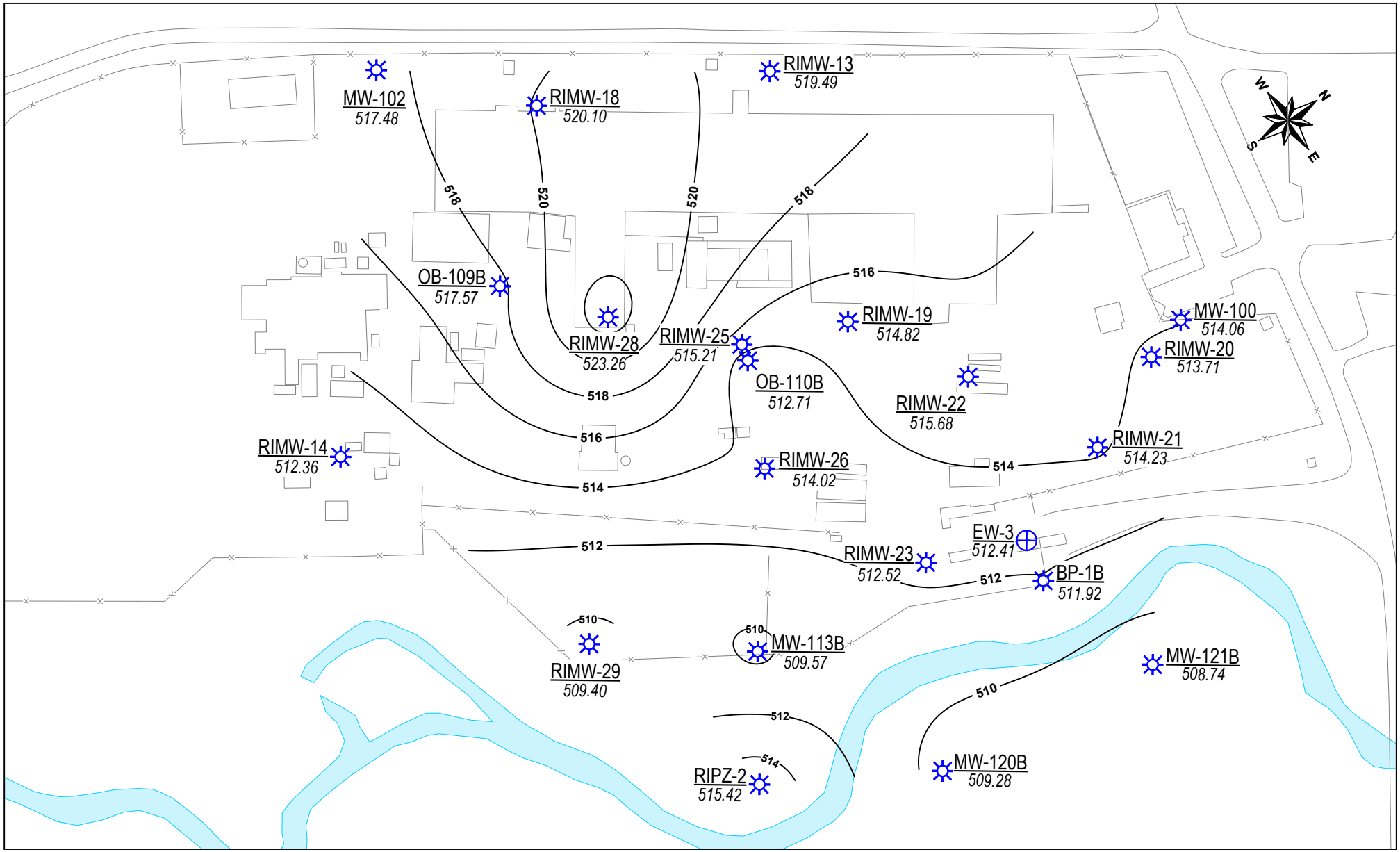
Saprolite Well
Transition Zone Well
Extraction Well

Potentiometric Surface Contour
510
Contour Interval 1 Foot
May 19, 2021

Scale in Feet
0 160 320

CDM Smith

Figure 9: Shallow Potentiometric Surface Map
Former PSC Site
Rock Hill, South Carolina



Saprolite Well
Transition Zone Well
Extraction Well

Potentiometric Surface Contour
510
Contour Interval 2 Feet
May 19, 2021

Scale in Feet
0 160 320

CDM Smith

Figure 10: Bedrock Potentiometric Surface Map
Former PSC Site
Rock Hill, South Carolina

Tables

Well Code	Date	Chloro-Ethenes					Chloro-Ethanes				Chloro-Methanes		Choro-Benzenes				Aromatic Hydrocarbons			
		PCE	TCE	cis-1,2-DCE	1,1-DCE	Vinyl Chloride	1,1,2-TCA	1,1,1-TCA	1,2-DCA	Chloro-ethane	Carbon Tetra-chloride	Meth-xylene Chloride	1,2,4-TCB	1,4-DCB	1,2-DCB	Chloro-benzene	Ben-zene	Toluene	Ethyl-benzene	Total Xylenes
Remedial Goal		5	5	70	7	2	5	200	5	4.6	5	5	70	75	600	100	5	1,000	700	10,000
Alluvium/Saprolite Zone																				
MW-111	01/24/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.36	ND	ND	ND	ND	ND
	11/06/14	ND	ND	ND	ND	ND	ND	ND	0.233 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/08/18	<1.00	<1.00	1.46	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	<1.0	<1.0	4.50	<1.0	<1.0	<1.0	<1.0	1.3	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-118	06/26/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	49	**19**	ND	ND	ND
	01/24/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	72	ND	0.3	0.55	1.47
	11/06/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.465 J	83.1	**13.2**	ND	0.260 J	0.904 J
	03/08/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	**103**	**16.5**	<1.00	<1.00	<3.00
	04/21/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	43	4.7	1.1	<1.0	<1.0
OB-11	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**73**	ND	26	110
	01/24/07	ND	0.32	0.45	ND	ND	ND	ND	2.94	ND	ND	ND	ND	ND	ND	ND	**100**	1	32	33
	04/22/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**26**	<1.0	<1.0	<1.0
P-1	05/01/86	**280**	**1,200**	ND	**44**	ND	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2004	**74**	**100**	**160**	**130**	**17**	ND	14	**4,300**	69	ND	**9**	ND	ND	ND	77	ND	ND	ND	ND
	01/26/07	**46**	**84**	**120**	**100**	**13**	1.07	3.23	**2,600**	25	ND	3.08	0.2	1.02	2.53	42	1.08	2.57	0.89	2.6
	11/11/14	0.605 J	1.11	8.68	5.16	2.09	ND	ND	**60.2**	ND	ND	ND	ND	0.803 J	ND	1.42	0.421 J	ND	0.364 J	ND
	03/07/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/21/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
P-2	06/26/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**27**	ND	45	42
	01/24/07	ND	ND	0.47	ND	ND	ND	ND	4.51	**12**	ND	ND	ND	ND	ND	ND	**91**	10	390	330
	04/22/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**57**	1.6	14	3.1
RIMW-9	01/23/07	**66**	**17**	14	5.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.54	ND	0.17	ND	ND
	01/23/07	**70**	**23**	20	6.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26	0.58	ND	0.16	ND	ND
	11/06/14	**124**	**60.9**	**77.4**	**14.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/07/18	**11.8**	4.06	8.13	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	1.4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
RIMW-11	01/23/07	**220**	**31**	**73**	2.3	ND	ND	ND	0.41	**46**	ND	0.39	ND	ND	ND	0.28	ND	ND	ND	ND
	11/07/14	**524**	**50.1**	31.9	1.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/06/18	**333**	16.8	15.2	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	Duplicate	**374**	**13.9**	15.7	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	4/20/2021	**120**	**8.1**	5.2	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
RIMW-24	09/20/07	**260**	**260**	**570**	**27**	1.17	ND	ND	1.17	ND	ND	0.71	ND	ND	ND	ND	0.44	0.47	ND	ND
	11/10/14	**582**	**373**	**1,850**	**57.2**	**11.4**	0.904 J	ND	1.1	ND	ND	ND	ND	ND	ND	0.916 J	0.744 J	ND	ND	0.419 J
	03/07/18	**784**	**600**	**3,790**	**36.4**	**34.7**	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	**770**	**430**	**3,700**	**20**	<10	<10	<10	<10	<20	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
W-4 Background	01/25/07	ND	ND	ND	ND	ND	ND	ND	0.34	ND	ND	ND	ND	ND	ND	ND	ND	0.11	ND	ND
	11/05/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/08/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Well Code	Date	Chloro-Ethenes					Chloro-Ethanes				Chloro-Methanes		Choro-Benzenes				Aromatic Hydrocarbons			
		PCE	TCE	cis-1,2-DCE	1,1-DCE	Vinyl Chloride	1,1,2-TCA	1,1,1-TCA	1,2-DCA	Chloro-ethane	Carbon Tetra-chloride	Meth-xylene Chloride	1,2,4-TCB	1,4-DCB	1,2-DCB	Chloro-benzene	Ben-zene	Toluene	Ethyl-benzene	Total Xylenes
Remedial Goal		5	5	70	7	2	5	200	5	4.6	5	5	70	75	600	100	5	1,000	700	10,000
Transition Zone																				
BP-1A	02/17/95	3.1 J	**32**	ND	**13**	**85**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	ND
	02/01/98	**19**	**18**	0.7 J	0.8 J	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/01/98	**8.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.4 J	4.3 J	ND	ND	ND	ND	ND	ND	ND
	06/01/98	**15**	**13**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/01/98	**46**	**260**	ND	5	1.2 J	0.8 J	ND	0.5 J	ND	ND	2.3 J	ND	ND	ND	ND	ND	ND	ND	ND
	2004	ND	4	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/25/07	1.37	**9.07**	39	0.87	1.4	ND	ND	0.42	ND	ND	ND	ND	ND	0.61	1.02	0.45	0.15	ND	ND
	11/04/14	0.894 J	4.71	**216**	6.95	**6.91**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.560 J	ND	ND	ND	ND
	03/06/18	4.78	**14.3**	**400**	3.22	**21.0**	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	1.1	4.23	<1.00	<1.00	<1.00	<3.00
	04/19/21	<5.0	**7.5**	**740**	<5.0	**84**	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
EW-1	02/01/98	**40**	**140**	ND	**160**	**100**	ND	26	ND	ND	**61**	ND	ND	8.9	**1,200**	28	ND	ND	ND	9.1
	03/01/98	**13.3 J**	**44.9**	**113.2**	**65.1**	**62.4**	1.2 J	9.6 J	**680**	**7**	ND	2.3 J	ND	ND	ND	6.5 J	3.2 J	1.1 J	1.8 J	ND
	06/01/98	**56**	**88**	ND	ND	**38**	ND	25	**1,600**	**37**	ND	ND	ND	ND	ND	ND	**5.5**	ND	ND	ND
	12/01/98	**16**	**34**	ND	**93**	**150**	ND	11	**520 J**	12 J	ND	ND	ND	ND	ND	7.3	3.9	ND	2.9	ND
	2004	**38**	**110**	**170**	**160**	**59**	ND	ND	**3,600**	**59**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/25/07	**44**	**130**	**148**	**94**	**38**	1.73	2.16	**3,200**	**31**	ND	3.39	ND	ND	3.25	71	1.94	0.24	0.14	ND
EW-2	02/16/95	**39**	**89**	ND	ND	**32**	ND	ND	**74**	ND	ND	ND	17	**420**	**1,100**	2.6 J	1.6 J	0.9 J	0.5 J	2.7
	02/01/98	**100**	**890**	ND	**20**	ND	ND	ND	**2,200**	ND	ND	ND	ND	ND	ND	ND	**370**	ND	ND	ND
	03/01/98	**194.3**	**1,201**	**319.8**	**73.1**	**11.7**	ND	12.1	2.8	ND	ND	ND	ND	ND	3.6 J	0.7 J	2.6	7.8	2	ND
	06/01/98	**160**	**1,000**	ND	ND	ND	ND	ND	**4,000**	ND	ND	ND	ND	ND	ND	ND	**360**	ND	ND	ND
	12/01/98	**120**	**780**	ND	**34**	ND	ND	ND	**2,000 J**	ND	ND	ND	ND	ND	ND	ND	**210**	ND	ND	ND
	2004	**170**	**1,300**	**700**	**48**	ND	ND	ND	**810**	ND	ND	ND	ND	ND	230	ND	**45**	ND	ND	ND
MW-101 Background	02/01/98	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/01/98	ND	1.1 J	6.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/01/98	ND	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/01/98	ND	1.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2004	ND	ND	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/23/07	ND	ND	1.87	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.54	ND	0.18	ND	ND
	11/05/14	ND	1.19	40.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/18	<1.00	2.16	33.5	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	<1.0	1.5	12	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-103	03/28/95	ND	**51**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/01/98	1.3 J	**8.5**	ND	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/01/98	**21.8**	**102.1 J**	23.9	**25.4**	ND	ND	1.5 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/01/98	**53**	**210 J**	ND	**72**	1.6 J	ND	6.1	ND	ND	ND	ND	ND	ND	ND	ND	0.6 J	ND	ND	ND
	12/01/98	**80**	**430**	ND	**96**	2.6 J	1.4 J	5.6	1.1 J	ND	ND	ND	ND	ND	ND	ND	0.9 J	ND	ND	ND
	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/25/07	0.41	1.15	0.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15	ND	ND
	11/05/14	ND	ND	0.894 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/19/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Well Code	Date	Chloro-Ethenes					Chloro-Ethanes				Chloro-Methanes		Choro-Benzenes				Aromatic Hydrocarbons			
		PCE	TCE	cis-1,2-DCE	1,1-DCE	Vinyl Chloride	1,1,2-TCA	1,1,1-TCA	1,2-DCA	Chloro-ethane	Carbon Tetra-chloride	Meth-xylene Chloride	1,2,4-TCB	1,4-DCB	1,2-DCB	Chloro-benzene	Ben-zene	Toluene	Ethyl-benzene	Total Xylenes
Remedial Goal		5	5	70	7	2	5	200	5	4.6	5	5	70	75	600	100	5	1,000	700	10,000
Transition Zone																				
MW-104	12/06/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/28/95	**94**	**46**	ND	**28**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/01/98	4.1	**5.7**	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.5 J	ND	0.6 J	ND
	03/01/98	**27**	**30.2 J**	18.2	**11.3**	ND	ND	1.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2004	ND	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/24/07	1.64	1.79	2.93	0.52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12	ND	ND
	11/10/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.375 J	0.65 J
	03/13/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/19/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-105	02/17/95	4.8 J	**9.9**	ND	1.6 J	ND	ND	1.7 J	3.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11
	02/01/98	0.5 J	3.1	2.3	2.5	ND	ND	1.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/01/98	ND	2.1 J	ND	2.1 J	ND	ND	ND	ND	ND	ND	3.4 J	ND	ND	ND	ND	ND	ND	ND	ND
	06/01/98	ND	2.4	ND	1.3 J	ND	ND	0.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/01/98	ND	2 J	ND	1.9 J	ND	ND	0.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/23/07	ND	0.29	ND	2.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.52	ND	0.16	ND	ND
	11/05/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.223 J	ND	ND
	03/08/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-107	01/23/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/03/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-112	01/24/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/06/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/08/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-113A	01/24/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14	ND	ND
	11/07/14	ND	ND	0.212 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/08/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-114	01/24/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/06/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/08/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-115A	02/17/95	**8**	**130**	ND	3.9 J	ND	ND	ND	4.9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/24/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.29	ND	ND
	11/04/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.308 J	ND	ND
	03/09/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
MW-116	2004	ND	ND	ND	ND	**11**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**81**	30	34	100
	01/24/07	ND	ND	5.22	ND	**12**	ND	ND	**8.88**	**5.1**	ND	0.88	ND	ND	ND	ND	**120**	40	67	160

Well Code	Date	Chloro-Ethenes					Chloro-Ethanes				Chloro-Methanes		Choro-Benzenes				Aromatic Hydrocarbons			
		PCE	TCE	cis-1,2-DCE	1,1-DCE	Vinyl Chloride	1,1,2-TCA	1,1,1-TCA	1,2-DCA	Chloro-ethane	Carbon Tetra-chloride	Meth-xylene Chloride	1,2,4-TCB	1,4-DCB	1,2-DCB	Chloro-benzene	Ben-zene	Toluene	Ethyl-benzene	Total Xylenes
Remedial Goal		5	5	70	7	2	5	200	5	4.6	5	5	70	75	600	100	5	1,000	700	10,000
Transition Zone																				
MW-117	02/01/98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.5	**7.1**	ND	ND	160
	03/01/98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.2 J	**10.1**	ND	ND	ND
	06/01/98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.2	**7.3**	ND	ND	27
	12/01/98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J	1.5 J	ND	ND	14
	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	7
	01/25/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.29	6.62	2.39	0.32	0.21	0.76
	Duplicate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19	6.69	2.43	0.42	0.2	0.74
MW-119	2004	4	**23**	39	5	**6**	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/24/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.22	ND	ND
	11/06/14	ND	2.27	10.2	ND	**10.1**	ND	ND	**209**	ND	ND	0.676 J	ND	ND	0.452 J	16.9	0.315 J	0.304 J	ND	ND
	03/09/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/21/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-120A	02/01/98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J
	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/25/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/04/14	ND	ND	0.639 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/13/18	**50.3**	**43.2**	**266**	4.25	**2.59**	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/19/21	4.4	3.2	25	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-123A	2004	ND	ND	**19,000**	**210**	**1,400**	ND	ND	**820**	ND	ND	**150**	ND	**2,300**	**11,000**	**310**	**63**	400	ND	ND
	01/26/07	ND	37	**1,100**	4.5	**140**	**9**	ND	**4,900**	**42.5**	ND	**29.75**	ND	**1,300**	**2,500**	**3,000**	**16.25**	96	4	17.75
	11/03/14	0.145 J	**21.7**	**377**	5.09	**199**	ND	ND	**2,490**	ND	ND	2.95 J	3.06	**3,500**	**7,860**	**12,100**	**21.2**	145	6.38	30.9
	03/13/18	<1.00	<1.00	7.98	<1.00	**28.0**	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	**5,990**	**2,530**	**25,100**	**38.3**	140	11.3	43.0
	Duplicate	<1.00	<1.00	12.3	<1.00	**41.7**	<1.00	<1.00	1.33	NA	<1.00	<5.00	<1.00	**5,720**	**2,520**	**24,400**	**40.0**	149	11.8	47.5
	4/21/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	**550**	**2,100**	**1,700**	<1.0	<1.0	<1.0	<1.0
OB-8	12/06/85	ND	ND	ND	ND	ND	ND	**500**	**6,000**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OB-8A	01/01/92	ND	ND	ND	ND	ND	ND	ND	ND	**2,700**	ND	**320**	ND	ND	ND	ND	ND	**3,000**	ND	ND
	02/01/92	**50**	**2,800**	ND	**570**	**140**	**32**	**310**	**25,000**	**250**	ND	**35**	ND	ND	ND	ND	**42**	160	13	ND
	02/01/98	**17**	**13**	11	**11**	**48**	**14**	35	**110**	**910**	ND	**430**	ND	ND	9.3	**630**	**81**	**6,600**	330	1,200
	03/01/98	**560**	**650**	**6,700**	**4,500**	**590**	**350**	**1,300**	**7,300**	**2,300**	ND	**110,000**	ND	ND	33	**3,200**	**220**	**38,000**	**2,200**	7,700
	2004	**88**	**360**	**8,200**	**5,000**	**660**	**160**	**3,900**	**12,000**	**2,200**	ND	**23,000**	**130**	ND	ND	**2,600**	**140**	**38,000**	**1,500**	4,900
	01/26/07	**19**	**15**	23	**71**	**24**	4.98	**310**	**540**	**1,300**	ND	**330**	ND	0.61	14	**460**	**20**	**5,200**	310	1,000
OB-12	06/26/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**640,000**
	01/24/07	ND	0.55	0.62	ND	ND	ND	ND	1.04	ND	ND	ND	ND	ND	ND	ND	**36**	4.15	14	250
OB-13	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**180,000**	**600,000**
	01/24/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**18,000**	**2,900**	150,000 J	570,000 J
OB-21	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**230**	11	170	230
	01/24/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**306**	401	**3,100**	**17,000**
OB-22	2004	ND	ND	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**180**	21	170	370
	01/24/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1,050**	**3,080**	**46,000**	**150,000**
	03/13/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	**52.9**	1.51	33.2	<3.00
	04/22/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**210 H**	1.70	48.0	43

Well Code	Date	Chloro-Ethenes					Chloro-Ethanes				Chloro-Methanes		Choro-Benzenes				Aromatic Hydrocarbons			
		PCE	TCE	cis-1,2-DCE	1,1-DCE	Vinyl Chloride	1,1,2-TCA	1,1,1-TCA	1,2-DCA	Chloro-ethane	Carbon Tetra-chloride	Meth-xylene Chloride	1,2,4-TCB	1,4-DCB	1,2-DCB	Chloro-benzene	Ben-zene	Toluene	Ethyl-benzene	Total Xylenes
Remedial Goal		5	5	70	7	2	5	200	5	4.6	5	5	70	75	600	100	5	1,000	700	10,000
Transition Zone																				
OB-23	2004	ND	ND	ND	ND	ND	ND	ND	ND	**29**	ND	ND	ND	ND	ND	ND	**65**	15	120	180
	01/24/07	ND	0.22	ND	ND	0.56	ND	ND	2.77	**6.6**	ND	0.37	ND	ND	ND	1.45	**69**	12	91	170
OB-80A	01/01/92	ND	**2,100**	ND	**420**	ND	ND	140 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
OB-109	02/01/98	1.2 J	**12**	**190**	1.5 J	**3.2**	ND	ND	4	ND	ND	ND	ND	ND	ND	3.3	0.9 J	ND	ND	ND
	03/01/98	1 J	**11**	20	1 J	**4.4**	ND	ND	4	ND	ND	ND	ND	ND	ND	1.5 J	0.9 J	1 J	ND	ND
	2004	ND	**12**	25	ND	**5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/27/07	0.31	**15**	41	1.28	**4.97**	ND	ND	0.33	ND	ND	ND	ND	ND	ND	ND	0.66	0.14	ND	ND
	11/10/14	ND	**27.1**	**110**	1.74	**19.7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.348 J	0.862 J	ND	0.382 J	0.637 J
	03/09/18	<1.00	**14.9**	**115**	1.21	**16.7**	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/21/21	<1.0	**56.0**	**270**	<1.0	**5.1**	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
OB-109A	02/17/95	5.4	**15**	ND	4.5 J	**12**	ND	ND	**19**	ND	ND	ND	ND	ND	ND	31	4.5 J	ND	ND	ND
OB-110	11/26/85	ND	ND	ND	**4,000**	ND	ND	**2,500**	**20,000**	ND	ND	**21,000**	ND	ND	ND	ND	ND	**3,200**	ND	ND
OB-110A	01/01/92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**37,000**	**310,000**	**320,000**	ND
	02/01/92	**6.5**	**12**	ND	**400**	**390**	ND	6.3	**41**	**7,600**	ND	**1,900**	ND	ND	ND	3.8 J	**49**	**9,800**	450	ND
	02/17/95	**9.6**	**100**	ND	**390**	**490**	ND	9.6	**3,600**	**2,600**	ND	ND	ND	ND	ND	16	**19**	81	15	61
	02/01/98	ND	**110**	ND	**280**	**140**	ND	ND	**1,800**	**490**	ND	ND	ND	ND	ND	33	ND	ND	ND	ND
	03/01/98	16 J	130 J	42 J	990 J	560 J	ND	36	2,400 J	2,400 J	ND	2,700 J	ND	ND	ND	130 J	37 J	480 J	37	91 J
	2004	ND	ND	ND	**37**	**94**	ND	ND	ND	**2,300**	ND	**66**	ND	ND	ND	ND	**55**	**7,000**	610	1,600
	01/26/07	**6.9**	3.9	7.2	**71.5**	**34.4**	ND	55.3	**46.6**	**1,300**	ND	**29**	ND	ND	1.9	70.4	**33.9**	**2,500**	640	1,700
	11/04/14	3.63	ND	10.5	**89.6**	**36.2**	ND	ND	4.69	ND	ND	1.85 J	ND	1.14	ND	31.8	3.03	1.16	2.22	2.70
	03/09/18	<1.00	4.28	5.53	**27.5**	**13.5**	<1.00	<1.00	**6.26**	NA	<1.00	<5.00	<1.00	<1.00	<1.00	26	1.15	<1.00	<1.00	<3.00
	Duplicate	<1.00	4.06	4.93	**26.3**	**12.9**	<1.00	<1.00	**6.06**	NA	<1.00	<5.00	<1.00	<1.00	<1.00	24.9	1.04	<1.00	<1.00	<3.00
	4/21/2021	<1.0	1.80	1.90	4.9	**3.0**	<1.0	<1.0	**7.00**	**170**	<1.0	2.1	<1.00	<1.00	2	60.0	2.10	<1.00	<1.00	1.5
OB-900	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63	**20**	ND	ND	ND
	01/24/07	ND	ND	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**60**	0.96	4.1	3.33
OB-901	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**14**	ND	13	ND
	01/24/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**13**	1.66	11	12
OB-902	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/24/07	ND	ND	0.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.88	0.36	6.83	5.2
P-3	2004	**70**	**110**	**180**	**170**	ND	ND	29	**5,700**	**70**	ND	ND	ND	ND	ND	78	ND	ND	ND	ND
	01/26/07	**150**	**196.5**	**205**	**100**	**6.61**	2.38	13	**6,200**	**31**	ND	2.6	ND	0.76	3.29	68	1.5	1.51	0.14	0.69
	11/04/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/08/18	5.04	4.22	7.62	<1.00	<1.00	<1.00	<1.00	**131**	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/21/21	**23**	**28**	**100**	**8.9**	1.5	<1.00	<1.00	**560**	<2.00	<1.00	1.3	<1.00	<1.00	<1.00	5.8	<1.00	<1.00	<1.00	<1.0
PW-1	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**23**	ND	45	100
	01/26/07	ND	0.55	4.69	ND	ND	ND	ND	ND	ND	ND	ND	0.33	ND	ND	ND	ND	0.85	ND	ND
	11/05/14	ND	ND	10.7	ND	0.868 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.93	0.406 J	0.711 J
PW-2A	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**56**	ND	98	160
	01/24/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**126**	ND	27.5	14.5	**54**	51.5	**900**	5,700
RIMW-1	01/26/07	**2,600**	**14,000**	**3,600**	**247**	**34**	3.8	9.44	**267**	ND	ND	**24**	ND	1.07	3.71	20	**45**	1.3	0.54	3.18
	11/04/14	**2,130**	**30,900**	**8,470**	**80.1**	**126**	ND	ND	**351**	ND	ND	1.19 J	ND	1.19	4.54	44.3	**92.0**	1.50	ND	1.62 J
	03/06/18	**3,050**	**16,600**	**6,700**	**66.1**	**73.0**	3.02	<1.00	**243**	NA	<1.00	<5.00	<1.00	1.84	7.09	31.6	**43.5**	<1.00	<1.00	<3.00
	04/21/21	**3,600**	**6,800**	**3,400**	<1.00	<1.00	<1.00	<1.00	**140**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.0

Table 1: Groundwater Data Summary
Former PSC Site
Rock Hill, South Carolina

Well Code	Date	Chloro-Ethenes					Chloro-Ethanes				Chloro-Methanes		Choro-Benzenes				Aromatic Hydrocarbons			
		PCE	TCE	cis-1,2-DCE	1,1-DCE	Vinyl Chloride	1,1,2-TCA	1,1,1-TCA	1,2-DCA	Chloro-ethane	Carbon Tetra-chloride	Meth-xylene Chloride	1,2,4-TCB	1,4-DCB	1,2-DCB	Chloro-benzene	Ben-zene	Toluene	Ethyl-benzene	Total Xylenes
Remedial Goal		5	5	70	7	2	5	200	5	4.6	5	5	70	75	600	100	5	1,000	700	10,000
Transition Zone																				
RIMW-3	01/26/07	**234**	**120**	**151**	**640**	**18**	1.77	124	**13,000**	1.14	ND	**12**	ND	ND	0.36	1.28	**12**	0.46	ND	0.77
	11/06/14	**373**	**365**	**565**	**706**	**54.2**	4.28	72.8	**59,100**	ND	ND	**7.53**	ND	ND	0.858 J	0.442 J	**21.5**	0.216 J	ND	ND
	03/07/18	**185**	**81.4**	**266**	**267**	**14.9**	<1.00	13.1	**9,840**	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	2.45	<1.00	<1.00	<3.00
	04/21/21	**60**	**27.0**	**170**	**69**	**1.8**	<1.00	2.9	**1,500**	**6.1**	<1.00	<1.00	<1.00	<1.00	1.1	<1.00	<1.00	<1.00	<1.00	<1.0
RIMW-4	01/26/07	**245**	**195**	**1,100**	**245**	**67**	**7.41**	2.9	**7,800**	**31**	ND	**21**	ND	1.43	6.35	**110**	**31**	1.53	ND	1.11
	01/26/07	**261**	**193**	**1,100**	**233**	**66**	**7.15**	2.76	**7,800**	**28**	ND	**20**	ND	0.55	5.63	**110**	**30**	0.93	ND	0.61
	11/06/14	**802**	**443**	**1,030**	**135**	**34.4**	2.04	ND	**2,380**	ND	ND	**9.52**	ND	ND	1.79	79.8	**6.71**	0.624 J	ND	ND
	03/06/18	**207**	**261**	**694**	**47.7**	**37.4**	<1.00	<1.00	**1,860**	NA	<1.00	5.45	<1.00	<1.00	2.95	60.6	3.12	<1.00	<1.00	<3.00
	Duplicate	**208**	**262**	**705**	**47.2**	**34.4**	<1.00	<1.00	**1,800**	NA	<1.00	**5.5**	<1.00	<1.00	2.71	58.9	2.99	<1.00	<1.00	<3.00
	4/22/2021	**380**	**580**	**1300**	**69.0**	<1.00	<1.00	<1.00	**610**	<1.00	<1.00	**8.5**	<1.00	<1.00	<1.00	78.0	**6.50**	<1.00	<1.00	<1.0
RIMW-5	01/26/07	**55**	**83**	**90**	**349**	**7.15**	**6.86**	30	**52,000**	**8.33**	ND	**7.59**	ND	1.97	8.03	1.26	5.27	0.21	ND	ND
	01/26/07	**56**	**88**	**93**	**370**	**7.86**	**7.34**	31	**53,000 J**	**8.74**	ND	**8.06**	ND	2.72	9.15	1.64	**5.69**	0.2	ND	ND
	11/04/14	**53.5**	**78.4**	56.7	**317**	**4.47**	3.44	ND	**44,500**	ND	ND	**15.9**	ND	4.24	0.580 J	0.533 J	2.49	ND	ND	ND
RIMW-6	01/25/07	**880**	**710**	**13,000**	**35**	**1,200**	2.79	35	**3.18**	ND	ND	0.97	ND	ND	ND	ND	**6.82**	75	3.39	9.79
	11/03/14	4.20	**44.4**	**148,000**	**265**	**12,300**	ND	5.68	5.48	ND	ND	ND	ND	0.951 J	2.00	2.26	**11.5**	351	22.8	66.3
	03/06/18	**1,380**	**2,960**	**125,000**	**260**	**19,600**	**11.7**	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	**6.42**	587	36.2	103
	04/21/21	<1.0	**1,300**	**120,000**	<1.0	**11,000**	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.00	<1.00	<1.00	<1.0
RIMW-7 Background	01/25/07	**24**	2.58	1.84	1.75	ND	ND	ND	0.58	ND	ND	ND	ND	ND	ND	ND	ND	0.14	ND	ND
	11/04/14	2.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/18	3.13	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
RIMW-8	01/26/07	**892**	**582**	**1,506**	**7,200**	**824**	**146**	**47,000**	**19,000**	**2,700**	ND	**3,700**	ND	ND	ND	**530**	**58**	**52,000**	**3,000**	**11,000**
	01/26/07	**960**	**580**	**1,536**	**9,000**	**844**	**140**	**47,000**	**19,000**	**3,000**	ND	**3,700**	ND	ND	ND	**540**	**58**	**52,000**	**3,000**	**11,000**
	11/03/14	**541**	**184**	**3,390**	**5,360**	**234**	**60.2**	**39,700**	**1,720**	ND	ND	**159**	ND	1.83	12.2	**976**	**39.1**	**99,900**	**3,970**	**14,100**
	03/07/18	**184**	**94.4**	**11,900**	**2,710**	**861**	**135**	**5,870**	**977**	NA	<1.00	<5.00	<1.00	6.04	175	**7,150**	**57.1**	**4,330**	**3,870**	9,580
	04/22/21	**1,800**	**1,100**	**2,100**	**6,800**	<1.00	<1.0	**71,000**	<1.00	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1,000**	<1.00	**150,000**	**5,500**	**18,000**
RIMW-10	01/23/07	**96**	**87**	**190**	1.31	**7.26**	ND	ND	**1,100**	**11**	ND	0.96	ND	ND	ND	ND	ND	ND	ND	ND
	11/06/14	**42.4**	**63.1**	**700**	1.44	**14.3**	ND	ND	**8,350**	ND	ND	**11.8**	ND	0.868 J	2.99	0.561 J	2.79	1.55	0.323 J	7.98
	03/06/18	**49.5**	**71.7**	**739**	1.76	**10.2**	<1.00	<1.00	**5,270**	NA	<1.00	**11.6**	<1.00	2.46	7.54	2.51	2.08	<1.00	<1.00	6.74
	04/20/21	**64.0**	**110.0**	**590**	<1.00	<1.00	<1.00	<1.00	**3,500**	**6.3**	<1.00	4.5	<1.00	3.70	12.00	5.10	2.30	<1.00	<1.00	4.20
RIMW-12	01/23/07	1.88	1.42	3.66	1.12	0.45	ND	7.73	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.77	ND	ND
	11/05/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/07/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
RIMW-16	01/25/07	**13,000**	**1,900**	**11,000**	**69**	**1,100**	1.82	20	4.3	ND	ND	0.92	ND	1.05	3.96	5.2	**16**	9.56	1.64	10
	11/05/14	**9,180**	**1,010**	**19,200**	**73.6**	**1,050**	2.88	ND	ND	ND	ND	ND	ND	0.425 J	ND	3.72	**15.8**	1.65	0.38 J	1.35 J
	03/08/18	**11,300**	**1,440**	**19,600**	**66.9**	**392**	2.04	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	4.59	**8.64**	<1.00	<1.00	<3.00
	Duplicate	**11,600**	**1,460**	**19,900**	**66.7**	**395**	1.8	8.99	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	4.58	**8.79**	<1.00	<1.00	<3.00
	4/21/2021	**17,000**	**3,900**	**37,000**	<1.0	**1,100**	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Well Code	Date	Chloro-Ethenes					Chloro-Ethanes				Chloro-Methanes		Choro-Benzenes				Aromatic Hydrocarbons			
		PCE	TCE	cis-1,2-DCE	1,1-DCE	Vinyl Chloride	1,1,2-TCA	1,1,1-TCA	1,2-DCA	Chloro-ethane	Carbon Tetra-chloride	Meth-xylene Chloride	1,2,4-TCB	1,4-DCB	1,2-DCB	Chloro-benzene	Ben-zene	Toluene	Ethyl-benzene	Total Xylenes
Remedial Goal		5	5	70	7	2	5	200	5	4.6	5	5	70	75	600	100	5	1,000	700	10,000
Transition Zone																				
RIMW-27	09/20/07	**400**	ND	ND	**83**	ND	1.31	ND	**280**	ND	ND	ND	ND	ND	0.5	ND	1.26	ND	ND	ND
	09/20/07	**400**	**370**	**800**	**82**	**15**	1.49	ND	**260**	2.92	ND	0.96	ND	ND	0.44	6.11	1.21	0.32	ND	ND
	11/06/14	**88.9**	**100**	**270**	**20.4**	**9.46**	ND	ND	**171**	ND	ND	0.552 J	ND	ND	ND	1.08	0.603 J	0.242 J	ND	ND
	03/07/18	**204**	**137**	**371**	**28.1**	**25.3**	<1.00	<1.00	**951**	NA	<1.00	<5.00	<1.00	<1.00	<1.00	21.8	<1.00	<1.00	<1.00	<3.00
	04/22/21	**81**	**64**	**280**	**14.0**	**13.0**	<1.0	<1.0	**650**	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	10.0	<1.0	<1.0	<1.0	<1.0
	Duplicate	**84**	**67**	**340**	**16.0**	**16.0**	<1.0	<1.0	**690**	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	11.0	<1.0	<1.0	<1.0	<1.0
RIMW-30 Background	09/19/07	0.33	0.53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23	ND	ND
	11/05/14	ND	0.941 J	1.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/12/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/22/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
RIPZ-3	01/24/07	**220**	**340**	**280**	**96**	**4.39**	1.05	ND	**680**	**27**	ND	1.36	ND	ND	0.71	15	1.03	0.29	ND	ND
	01/24/07	**220**	**330**	**290**	**97**	**4.36**	1.83	ND	**660**	**27**	ND	1.42	ND	0.61	1.03	15	1.05	ND	0.21	0.93
	11/06/14	**52.5**	**102**	**236**	**55.2**	**19.3**	1.31	0.383 J	**4,800**	ND	ND	2.82 J	ND	ND	3.81	**120**	0.820 J	0.244 J	ND	ND
RITW-12	06/07/06	**1,400**	**82**	**1,200**	**89**	**40**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**410**	**28,000**	**710**	2,700
RITW-28	06/01/06	**428**	**1,200**	**235**	**6,600**	ND	154	**51,000**	**15,000**	ND	**11,000**	**7,900**	ND	ND	ND	**123**	**69**	**51,000**	**3,000**	10,000
RITW-34	06/07/06	ND	3.45	24	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.96	ND	0.41
RITW-38	06/01/06	**190**	**34**	**490**	**130**	**43**	ND	ND	1.14	1.39	ND	ND	ND	ND	ND	ND	2.39	0.89	ND	1.02
RITW-64	01/24/07	**1,300**	**820**	**930**	**20**	**13**	0.75	ND	**199.6**	**7.1**	ND	**16**	ND	0.5	2.13	1.88	**25**	380	8.17	23
RITW-65	01/24/07	**5,500**	**246**	**1,000**	**180**	1.08	5.15	14	**19**	**47**	ND	3.13	ND	0.69	1.07	2.35	**14**	820	25	81
W-1	2004	260	**40**	17	**23**	ND	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/25/07	160	**17**	31	**24**	ND	1.37	5.78	1.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/03/14	**111**	2.61	0.653 J	1.37	0.264 J	ND	0.296 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	04/21/21	**94**	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
W-2	01/23/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/04/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.398 J
	03/08/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
	Duplicate	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<2.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00
Bedrock Zone																				
BP-1B	02/01/98	**63**	**470**	ND	**11**	**3.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6 J	ND	ND	ND
	03/01/98	**96.6**	**244.8 J**	**71.5**	**7.5**	2.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/01/98	**91**	**660**	ND	**19**	**3.1**	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/01/98	**13**	**14**	ND	0.9 J	1.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2004	**120**	**390**	**120**	**15**	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/25/07	**170**	**620**	**670**	**22**	2.06	0.75	1.63	1.27	ND	ND	ND	0.84	ND	0.36	1.13	0.34	0.15	ND	ND
	11/04/14	**516**	**458**	**2,290**	**70.3**	**26.9**	1.03	ND	1.03	ND	ND	ND	1.42	0.529 J	ND	2.47	1.30	0.307 J	ND	0.396 J
	03/06/18	**481**	**457**	**3,590**	**32.7**	**58.0**	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	1.61	<1.00	<1.00	<1.00	<3.00
	04/22/21	**570**	**360**	**3,700**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Well Code	Date	Chloro-Ethenes					Chloro-Ethanes				Chloro-Methanes		Choro-Benzenes				Aromatic Hydrocarbons			
		PCE	TCE	cis-1,2-DCE	1,1-DCE	Vinyl Chloride	1,1,2-TCA	1,1,1-TCA	1,2-DCA	Chloro-ethane	Carbon Tetra-chloride	Meth-xylene Chloride	1,2,4-TCB	1,4-DCB	1,2-DCB	Chloro-benzene	Ben-zene	Toluene	Ethyl-benzene	Total Xylenes
Remedial Goal		5	5	70	7	2	5	200	5	4.6	5	5	70	75	600	100	5	1,000	700	10,000
Bedrock Zone																				
EW-3	03/28/95	**180**	**1,200**	ND	**190**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	02/01/98	**140**	**1,800**	ND	**100**	**24**	ND	15	3	ND	ND	ND	ND	ND	ND	0.7 J	4.4	4.4	1.9	14
	03/01/98	ND	ND	0.6 J	ND	ND	ND	ND	3.2	ND	ND	ND	ND	2.1	17.6	2.1	**11.4**	3.7	1 J	ND
	06/01/98	**240 J**	**1,600**	ND	**100**	**17**	ND	16	3.6	ND	ND	ND	ND	ND	ND	ND	3.7	18	4.3	35
	12/01/98	**220**	**1,400**	ND	**100**	23 J	ND	13	3 J	ND	ND	ND	ND	ND	ND	0.8 J	2.3	15	2.1	8.1
	2004	**270**	**1,200**	**890**	**74**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-100	04/19/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/06/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/01/98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/01/98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND
	01/23/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.52	ND	0.12	ND	ND
	11/04/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-102 Background	02/01/98	ND	0.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/01/98	**28.7**	2.5 J	3.8	ND	ND	ND	6.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/23/07	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23	ND	ND
	11/06/14	0.186 J	ND	ND	ND	ND	ND	ND	0.326 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/12/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-106	01/23/07	0.29	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.51	ND	0.19	ND	ND
	11/06/14	0.388 J	ND	ND	ND	ND	ND	ND	0.218 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-108	01/23/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/04/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-113B	02/17/95	**16**	ND	ND	**18**	ND	ND	1.9 J	**12**	ND	ND	ND	ND	ND	ND	ND	4.1 J	ND	ND	ND
	02/01/98	**35**	**70**	ND	**16**	ND	ND	4.1	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.8 J
	03/01/98	**41**	**91**	25.6	**11.5**	ND	ND	2.8	1.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/01/98	**160**	**480**	ND	**60**	1.4 J	ND	18	**27**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/01/98	**39**	**86**	ND	**13**	ND	ND	2.9	1.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2004	**32**	**36**	47	**9**	ND	ND	ND	**9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/24/07	**24**	**16**	41	2.82	ND	ND	ND	0.18	ND	ND	ND	ND	ND	ND	ND	ND	0.22	ND	ND
	11/07/14	**89.3 J**	**215**	**1,590**	**33.8**	**132**	0.529 J	ND	**187**	ND	ND	ND	ND	ND	ND	0.576 J	1.71	ND	ND	ND
	03/07/18	**387**	**285**	**1,770**	**29.4**	**67.0**	<1.00	<1.00	**49.1**	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	**200**	**200**	**1,000**	**16**	**13**	<1.0	<1.0	**19**	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Well Code	Date	Chloro-Ethenes					Chloro-Ethanes				Chloro-Methanes		Choro-Benzenes				Aromatic Hydrocarbons			
		PCE	TCE	cis-1,2-DCE	1,1-DCE	Vinyl Chloride	1,1,2-TCA	1,1,1-TCA	1,2-DCA	Chloro-ethane	Carbon Tetra-chloride	Meth-xylene Chloride	1,2,4-TCB	1,4-DCB	1,2-DCB	Chloro-benzene	Ben-zene	Toluene	Ethyl-benzene	Total Xylenes
Remedial Goal		5	5	70	7	2	5	200	5	4.6	5	5	70	75	600	100	5	1,000	700	10,000
Bedrock Zone																				
MW-115B	02/17/95	**160**	ND	ND	**190**	**23**	ND	ND	**180**	2.4 J	ND	ND	ND	ND	ND	ND	2.4 J	ND	ND	ND
	02/01/98	**82**	**48**	ND	**140**	**18**	1.8 J	ND	**110**	1.4 J	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND
	03/01/98	**68.3**	**48 J**	44.9	**105.4**	**11.5**	ND	ND	**82.3**	ND	ND	ND	ND	ND	ND	ND	1.9	ND	4.5	ND
	06/01/98	**90**	ND	ND	**120**	**11**	ND	ND	**87**	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND
	12/01/98	**41**	**71**	ND	**120**	15 J	ND	ND	**86 J**	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND
	2004	ND	2	40	**29**	**4**	ND	ND	**25**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/24/07	ND	0.34	11	6.68	0.49	ND	ND	**6.61**	ND	ND	ND	ND	ND	ND	ND	0.18	0.19	ND	ND
	11/03/14	ND	ND	4.83	0.345 J	ND	ND	ND	0.501 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/18	**277**	**209**	**955**	**27.7**	**56.6**	<1.00	<1.00	**240**	NA	<1.00	<5.00	<1.00	<1.00	<1.00	3.64	<1.00	<1.00	<1.00	<3.00
	04/21/21	**20**	<1.0	**2,200**	**24**	**33.0**	<1.0	<1.0	**170**	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-120B	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/25/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**23**	ND	ND	ND
	11/04/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/13/18	**35.2**	**27.8**	**175**	2.69	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/19/21	4.6	2.9	9.8	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-121B	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND
	01/25/07	0.57	**7.66**	1.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	09/20/07	0.76	**7.53**	1.35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/04/14	0.592 J	2.62	1.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/13/18	**24.7**	**59.8**	**77.3**	6.65	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/19/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-122B	03/01/98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2004	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND
	01/25/07	ND	0.25	ND	ND	ND	ND	ND	0.46	ND	ND	ND	ND	ND	ND	ND	ND	0.12	ND	ND
	09/20/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.41	ND	ND
	11/04/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/21/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-123B	2004	**12**	**260**	**510**	**97**	**63**	ND	ND	**390**	**42**	ND	ND	ND	ND	60	73	**12**	ND	ND	ND
	01/26/07	2.3	**130**	**680**	**15**	**84**	**7.74**	ND	**2,300**	**35**	ND	**12**	1.14	**1,100**	**1,400**	**3,500**	**17**	90	4.56	21
OB-109B	02/01/98	ND	ND	21	**22**	ND	ND	9.9	5	ND	ND	**71**	ND	ND	ND	ND	ND	120	ND	ND
	03/01/98	**150 J**	**150 J**	37 J	59 J	ND	ND	21 J	2.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	06/01/98	**130**	**110**	ND	**30**	ND	ND	12	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/01/98	**140**	**140**	ND	**34**	ND	ND	13	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2004	**260**	**140**	**77**	**69**	ND	ND	9	3	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	ND
	01/27/07	**210**	**44**	34	**39**	ND	ND	2.97	1.57	ND	ND	ND	ND	ND	ND	ND	ND	0.16	ND	ND
	11/10/14	**393**	**101**	46.5	**18.4**	ND	ND	0.388 J	1.17	ND	ND	ND	ND	ND	ND	ND	0.30 J	ND	ND	ND
	03/06/18	**1,180**	**191**	**198**	**23.2**	<10.0	<1.00	<1.00	1.53	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/21/21	**1,700**	**220**	**390**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Well Code	Date	Chloro-Ethenes					Chloro-Ethanes				Chloro-Methanes		Choro-Benzenes				Aromatic Hydrocarbons			
		PCE	TCE	cis-1,2-DCE	1,1-DCE	Vinyl Chloride	1,1,2-TCA	1,1,1-TCA	1,2-DCA	Chloro-ethane	Carbon Tetra-chloride	Meth-xylene Chloride	1,2,4-TCB	1,4-DCB	1,2-DCB	Chloro-benzene	Ben-zene	Toluene	Ethyl-benzene	Total Xylenes
Remedial Goal		5	5	70	7	2	5	200	5	4.6	5	5	70	75	600	100	5	1,000	700	10,000
Bedrock Zone																				
OB-110B	02/01/98	**0.9 J**	1.7	ND	ND	2.5 J	ND	ND	**48**	1.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/01/98	ND	ND	14 J	ND	3.9 J	ND	ND	**66 J**	1.5 J	ND	ND	ND	ND	ND	ND	0.5 J	ND	ND	ND
	06/01/98	ND	ND	ND	ND	2 J	ND	ND	**45**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	12/01/98	ND	ND	ND	ND	3.1 J	ND	ND	**14**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2004	ND	ND	6	ND	ND	ND	ND	**21**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	01/26/07	ND	ND	2.55	ND	ND	ND	ND	**8.34**	ND	ND	ND	ND	ND	ND	ND	ND	0.42	ND	ND
	11/04/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/21/21	<1.0	<1.0	1.3	<1.0	<1.0	<1.0	<1.0	3.1	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Duplicate	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	3.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
RIMW-13 Background	01/25/07	ND	ND	1.22	0.22	ND	ND	ND	0.79	ND	ND	ND	ND	ND	ND	ND	ND	0.12	ND	ND
	11/03/14	ND	ND	1.54	ND	ND	ND	ND	0.325 J	ND	ND	ND	ND	ND	ND	ND	ND	0.333 J	ND	ND
	03/07/18	<1.00	<1.00	6.29	<1.00	<1.00	<1.00	<1.00	1.4	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
RIMW-14	01/26/07	ND	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/03/14	ND	0.151 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/12/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
RIMW-15	01/25/07	**880**	**700**	**3,000**	**12**	**166**	1.17	3.5	2.31	ND	ND	ND	ND	ND	ND	0.62	1.95	5.6	ND	ND
	01/25/07	**710**	**610**	**2,800**	**11**	**140**	1.2	3.28	2.06	ND	ND	ND	ND	ND	ND	ND	1.76	5.25	ND	ND
	09/20/07	4.76	**610**	**730**	2.23	0.64	ND	ND	1.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/03/14	3.83	**243**	**214**	**1.04**	0.482 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/08/18	<1.00	**162**	**132**	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	Duplicate	<1.00	**161**	**133**	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	4/21/2021	<1.0	**49**	66	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
RIMW-18	12/16/06	**70**	2.08	5.5	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	80	1.78	3.48
	12/16/06	**93**	2.32	6.06	2.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	1.15	2.28
	01/23/07	**27**	2.05	2.64	1.85	ND	ND	ND	ND	ND	ND	0.36	ND	ND	ND	ND	ND	0.21	ND	ND
	11/07/14	**6.01**	0.638 J	ND	0.819 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/09/18	**28.3**	3.02	2.43	1.84	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
RIMW-19	12/19/06	**85**	**68**	70	**60**	ND	1.24	10	**460**	ND	ND	ND	ND	ND	ND	ND	ND	0.86	ND	ND
	12/19/06	**57**	**42**	50	**56**	0.62	1.24	8.92	**3,000**	**5.89**	ND	ND	ND	ND	0.56	3.76	0.36	1.43	0.34	ND
	01/26/07	**64**	**48**	69	**45**	ND	1.56	8.66	**28**	ND	ND	ND	ND	ND	ND	ND	ND	0.59	ND	ND
	11/06/14	**83.0**	**51.3**	54.5	**28.7**	ND	0.601 J	2.06	**1,340**	ND	ND	0.385 J	ND	ND	ND	ND	ND	ND	ND	ND
	03/06/18	**46.7**	**23.0**	39.8	**11.6**	<1.00	<1.00	<1.00	**34.3**	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	Duplicate	**46.5**	**22.6**	39.2	**12.1**	<1.00	<1.00	<1.00	**39.0**	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	4/21/2021	**39.0**	**15.0**	36.0	**8.2**	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Well Code	Date	Chloro-Ethenes					Chloro-Ethanes				Chloro-Methanes		Choro-Benzenes				Aromatic Hydrocarbons			
		PCE	TCE	cis-1,2-DCE	1,1-DCE	Vinyl Chloride	1,1,2-TCA	1,1,1-TCA	1,2-DCA	Chloro-ethane	Carbon Tetra-chloride	Meth-xylene Chloride	1,2,4-TCB	1,4-DCB	1,2-DCB	Chloro-benzene	Ben-zene	Toluene	Ethyl-benzene	Total Xylenes
Remedial Goal		5	5	70	7	2	5	200	5	4.6	5	5	70	75	600	100	5	1,000	700	10,000
Bedrock Zone																				
RIMW-20	09/19/07	0.79	0.54	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.58	ND	ND
	11/05/14	ND	ND	0.524 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/12/18	<1.00	3.27	2.78	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/22/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Duplicate	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
RIMW-21 Background	09/19/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.28	ND	ND
	11/06/14	ND	ND	ND	ND	ND	ND	ND	0.943 J	ND	ND	ND	ND	ND	ND	ND	ND	0.411 J	ND	ND
	03/09/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/22/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
RIMW-22	09/20/07	1.74	**54**	59	0.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.35	ND	ND
	11/06/14	0.795 J	**11.1**	25.5	ND	ND	ND	ND	0.975 J	ND	ND	ND	ND	ND	ND	ND	ND	0.772 J	ND	ND
	03/08/18	<1.00	**9.11**	19.0	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/21/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
RIMW-23	09/20/07	1.73	ND	0.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.78	ND	ND
	11/10/14	0.982 J	4.06	3.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.44 J
	03/12/18	**16.8**	**49.1**	61	3.39	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/20/21	**32**	**84**	**150**	5.9	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
RIMW-25	09/19/07	**42**	**84**	**1,200**	**510**	**740**	**30**	**720**	**3,700**	**2,300**	ND	**1,200**	ND	1.37	49	**2,200**	**35**	**8,500**	**1,000**	3,100
	Duplicate	**52**	**100**	**1,300**	**540**	**800**	**36**	**770**	**4,100**	**2,500**	ND	**1,300**	ND	1.63	58	**2,200**	**43**	**9,700**	**1,000**	3,200
	11/03/14	0.177 J	ND	1.1	ND	0.520 J	ND	ND	**5.57**	ND	ND	ND	ND	ND	ND	1.95	ND	ND	0.491 J	ND
	03/07/18	2.57	3.53	21.7	2.31	**7.64**	<1.00	<1.00	**311**	NA	<1.00	<5.00	<1.00	<1.00	<1.00	22.7	<1.00	<1.00	3.19	<3.00
	04/22/21	2.90	4.60	32.0	3.40	**14**	<1.0	<1.0	**190**	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	21.0	<1.0	<1.0	2.00	<1.0
RIMW-26	09/20/07	0.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.72	ND	ND
	11/06/14	0.598 J	0.580 J	ND	ND	ND	ND	ND	1.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/12/18	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	NA	<1.00	<5.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<3.00
	04/21/21	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Duplicate	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
RIMW-28	09/19/07	3.21	**6**	19	4.7	**2.64**	ND	ND	**37**	3.24	ND	1.02	ND	0.99	3.38	14	0.76	41	4.53	7.17
	11/03/14	0.834 J	3.33	9.83	3.31	**9.92**	ND	ND	**17.8**	ND	ND	0.402 J	ND	0.823 J	3.99	6.62	1.23	2.85	0.240 J	0.946 J
	03/06/18	1.00	3.94	9.85	3.23	**11.2**	<1.00	<1.00	**14.4**	NA	<1.00	<5.00	<1.00	1.07	4.14	6.52	1.1	2.65	<1.00	<3.00
	04/22/21	<1.0	<1.0	3.50	<1.0	1.9	<1.0	<1.0	1.9	<2.0	<1.0	<1.0	<1.0	<1.0	1.00	2.10	<1.0	<1.0	<1.0	<1.0
	Duplicate	<1.0	<1.0	3.40	<1.0	1.8	<1.0	<1.0	1.9	<2.0	<1.0	<1.0	<1.0	<1.0	1.00	2.10	<1.0	<1.0	<1.0	<1.0
RIMW-29	09/19/07	**81**	**260**	**370**	**30**	**4.01**	ND	ND	**7.4**	ND	ND	0.5	ND	ND	ND	ND	0.22	0.26	ND	ND
	11/03/14	ND	0.511 J	18	0.667 J	1.09	ND	ND	**7.14**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	03/12/18	1.32	**19.8**	**267**	**18.0**	**52.4**	<1.00	<1.00	**1,500**	NA	<1.00	<5.00	<1.00	<1.00	3.83	45.8	<1.00	<1.00	<1.00	<3.00
	04/20/21	<1.0	<1.0	1.8	<1.0	<1.0	<1.0	<1.0	4.6	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	Duplicate	<1.0	<1.0	1.6	<1.0	<1.0	<1.0	<1.0	3.8	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
RIPZ-2	11/03/14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

µg/L = micrograms per liter

RG - Remedial Goal **Exceeds the RG** ND = Not detected NA = Not analyzed DCA - Dichloroethane DCE - Dichloroethene TCA - Trichloroethan TCE - Trichloroethene

J = Estimated concentration below reporting limit and above method detection limit DCB - Dichlorobenzene PCE- Tetrachloroethene TCB - Trichlorobenzene

Table 1: Groundwater Data Summary

Former PSC Site

Rock Hill, South Carolina

CDM Smith

Well Code	Temp. (°C)	pH (S.U.)	Cond. (mS/cm)	ORP (mV)	D.O. (mg/L)
Alluvium/Saprolite Zone					
MW-111	16.4	6.59	0.77	-31.7	0.48
MW-118	19	6.68	0.71	-63.4	0.22
OB-11	17.8	6.33	1.13	-100.3	0.7
P-1	17.7	6.88	0.309	-80.4	0.33
P-2	19.3	6.68	0.89	-89.4	0.12
RIMW-9	19.9	5.87	0.19	196	4.61
RIMW-11	18.1	6.45	0.46	154.50	0.51
RIMW-24	18.0	6.77	0.398	138.80	0.16
W-4	15.2	6.80	0.149	113.10	3.05
Transition Zone					
BP-1A	15.5	6.65	0.67	12.4	0.14
MW-101	19.1	6.75	0.362	81.7	2.83
MW-103	18	6.72	0.200	-100.9	0.23
MW-104	19	6.82	0.401	-64	0.34
MW-105	17.3	7.04	0.52	192.8	1.36
MW-112	14.9	6.6	0.56	33.6	1.63
MW-113A	15.1	6.76	0.68	-130.8	0.23
MW-114	14.8	6.55	0.466	-67.7	0.14
MW-115A	13.4	5.35	0.08	194.3	3.62
MW-119	18.1	7.18	0.92	-161.4	0.12
MW-120A	14.4	5.77	0.176	53.7	0.90
MW-123A	20.9	6.81	0.62	-57.5	0.15
OB-22	18.5	6.67	1.29	-74.4	0.41
OB-109	20.2	6.82	0.58	31.3	0.18
OB-110A	20.5	6.45	0.76	-36.6	0.16
P-3	20	6.39	0.278	-13.1	0.16
RIMW-1	19.4	6.65	0.501	19.80	0.29
RIMW-3	18.6	6.74	0.452	52.10	0.25
RIMW-4	19.3	6.21	0.84	39.9	0.16
RIMW-6	18.8	6.52	1.06	-63.9	0.18
RIMW-8	17.8	6.57	0.65	-39.8	11.9

Well Code	Temp. (°C)	pH (S.U.)	Cond. (mS/cm)	ORP (mV)	D.O. (mg/L)
Transition Zone					
RIMW-10	22.1	6.38	0.421	101.90	0.44
RIMW-12	21.1	6.6	0.389	203.90	3.52
RIMW-16	18.7	6.41	0.70	90.1	0.35
RIMW-27	19.1	7.88	0.365	-290.80	0.24
RIMW-30	16.5	6.39	0.16	31.70	0.69
W-1	18.8	6.82	0.326	163.9	6.19
W-2	17.2	6.43	0.49	150.2	2.67
Bedrock Zone					
BP-1B	16	7.07	0.414	131.9	0.62
MW-102	18.3	6.57	0.301	197.9	4.36
MW-113B	17.0	6.49	0.474	79.8	0.12
MW-115B	15.1	6.91	0.456	-30	0.39
MW-120B	16.1	6.37	0.166	144	1.49
MW-121B	16.0	6.16	0.246	165.6	0.37
MW-122B	14.4	8.17	0.24	138.5	1.43
OB-109B	19.9	6.89	0.394	92.5	2.01
OB-110B	19.9	7.48	0.325	-64	0.28
RIMW-13	19.3	6.98	0.124	92.50	0.39
RIMW-14	20.5	7.63	0.542	-96.9	0.16
RIMW-15	18.8	6.54	0.362	139.3	2.35
RIMW-18	19.6	6.84	0.111	-46.80	0.14
RIMW-19	19.8	6.45	0.361	122.40	2.42
RIMW-20	15.9	7.1	0.277	67.1	0.66
RIMW-21	16.5	6.15	0.064	21.0	0.28
RIMW-22	19.1	7.03	0.130	101.10	0.76
RIMW-23	18.4	11.3	0.89	-171.30	0.13
RIMW-25	18.2	7.13	0.31	-55.10	0.54
RIMW-26	18.9	8.79	1.14	-160.50	0.09
RIMW-28	18.6	8.68	0.307	-243.30	0.21
RIMW-29	16.8	7.92	0.264	-131.30	0.25

Temp. - Temperature in degrees Celcius ©

S.U. - Standard units

Cond. - Specific conductivity in milliSiemens per centimeter (mS/cm)

ORP- Oxidation/reductio potential in millivolts (mV)

D.O. Dissolved oxygen in milligrams per liter (mg/L)

CDM Smith

Table 2: Groundwater Geochemistry Data

Former PSC Site

Rock Hill, South Carolina

Location Code	Date	cis-1,2-DCE	1,2-DCA
SW-1	04/20/21	<1.0	<1.0
SW-2	04/20/21	4	<1.0
SW-3	04/20/21	2.6	<1.0
SW-4	04/20/21	2.8	<1.0
SW-5	04/20/21	3	1.2

µg/L = micrograms per liter
DCA - Dichloroethane
DCE - Dichloroethene

Table 3: Surface Water Data Summary
Former PSC Site
Rock Hill, South Carolina

Well Code	TOC Elevation (ft AMSL)	Total Depth (ft bgs)	Screened Interval (ft bgs)	Depth to Water (ft BTOC)	Groundwater Elevation (ft AMSL)
Alluvium/Saprolite Zone					
MW-111	522.29	17.9	12.9 - 17.9	13.25	509.04
MW-118	522.64	16.5	5.5 - 15.5	11.22	511.42
OB-11	523.83	19	Unknown	12.58	511.25*
P-1	525.06	18.1	8.1 - 18.1	10.63	514.43
P-2	523.32	20	9.5 - 19.5	12.15	511.17*
RIMW-11	531.44	35.64	16 - 26	11.63	519.81
RIMW-24	521.73	25.00	15 - 25	10.21	511.52
RIMW-9	523.81	22	12 - 22	11.30	512.51
RIPZ-1	515.75	Unknown	3 - 8	3.93	511.82
W-4	517.63	22.34	15 - 20	6.14	511.49
Transition Zone					
BP-1A	522.36	22.7	13.25 - 22.7	11.26	511.10
EW-2	525.12	66	45 - 65	18.47	506.65
MW-101	529.28	29.5	24.5 - 29.5	12.05	517.23
MW-103	522.49	28.5	23.5 - 28.5	9.52	512.97
MW-104	521.69	30	25 - 30	9.65	512.04
MW-105	527.62	42	38 - 42	17.97	509.65
MW-107	520.88	13.2	8.2 - 13.2	7.91	512.97
MW-112	521.44	16.2	11.2 - 16.2	11.86	509.58
MW-113A	523.71	17.2	12.2 - 17.2	13.59	510.12
MW-114	522.25	13.2	8.2 - 13.2	12.29	509.96
MW-115A	518.80	12	5 - 11	9.62	509.18
MW-119	522.21	20.5	9 - 19.5	11.18	511.03
MW-120A	518.31	15	5 - 15	9.61	508.70
MW-123A	528.47	Unknown	20 - 30	13.15	515.32
OB-22	524.15	24.7	Unknown	13.7	510.45
OB-8A	525.47	22.5?	20.5 - 25.5	10.21	515.26
OB-109	531.97	20	20 - 25	16.78	515.19
OB-110A	525.74	19	25 - 30	11.29	514.45
P-3	525.45	32.8	27.9 - 32.8	11.04	514.41
RIMW-1	530.64	29.14	19 - 29	12.18	518.46
RIMW-3	531.09	33.35	24 - 34	13.19	517.90
RIMW-4	528.59	29.6	20 - 30	11.63	516.96
RIMW-5	531.21	26.2	16 - 26	14.7	516.51
RIMW-6	525.54	29.6	20 - 30	11.53	514.01
RIMW-8	529.92	19	16 - 26	13.99	515.93
RIMW-10	528.79	36.83	27 - 37	16.9	511.89
RIMW-12	528.43	34.85	25 - 35	12.67	515.76
RIMW-16	525.73	54.5	45 - 55	11.81	513.92
RIMW-27	522.28	85.00	76 - 86	12.63	509.65
RIMW-30	519.53	91.90	82 - 92	5.76	513.77
RIPZ-3	522.91	Unknown	39.5 - 44.5	11.50	511.41
W-1	536.99	29.95	24 - 29	18.10	518.89
W-2	528.81	Unknown	15 - 20	19.10	509.71

Table 4
Water Level Data
Former PSC Site
Rock Hill, South Carolina

CDM Smith

Well Code	TOC Elevation (ft AMSL)	Total Depth (ft bgs)	Screened Interval (ft bgs)	Depth to Water (ft BTOC)	Groundwater Elevation (ft AMSL)
Bedrock Zone					
BP-1B	523.07	39	28 - 38	11.15	511.92
EW-3	520.46	52	25.5 - 52	8.05	512.41
MW-100	529.37	41.56	32 - 37	15.31	514.06
MW-102	530.64	34	24 - 34	13.16	517.48
MW-106	524.09	27.5	22.5 - 27.5	10.44	513.65
MW-108	517.27	18	13 - 18	5.07	512.20
MW-113B	520.53	45	34 - 44	10.96	509.57
MW-115B	518.23	31	20 - 30	9.37	508.86
MW-120B	517.40	35	24 - 34	8.12	509.28
MW-121B	518.65	36	25 - 35	9.91	508.74
MW-122B	519.65	36.5	25.5 - 35.5	4.51	515.14
OB-109B	529.71	62	51 - 61	12.14	517.57
OB-110B	524.93	135	130 - 135	12.22	512.71
RIMW-13	535.82	81.55	72 - 82	16.33	519.49
RIMW-14	529.10	Unknown	65 - 75	16.74	512.36
RIMW-15	525.64	99.8	70 - 100	11.97	513.67
RIMW-18	531.38	54.95	45.5 - 55.5	11.28	520.10
RIMW-19	528.84	79.94	70 - 80	14.02	514.82
RIMW-20	519.60	Unknown	104.6 - 119.6	5.89	513.71
RIMW-21	517.06	88.18	77.3 - 87.3	2.83	514.23
RIMW-22	525.78	134.19	124.9 - 134.9	10.10	515.68
RIMW-23	521.90	57.88	45.8 - 57.8	9.38	512.52
RIMW-25	525.79	55.10	44.7 - 54.7	10.58	515.21
RIMW-26	521.34	93.50	83.2 - 93.2	7.32	514.02
RIMW-28	525.27	66.27	56.4 - 66.4	2.01	523.26
RIMW-29	520.39	63.23	54 - 64	10.99	509.40
RIPZ-2	518.53	Unknown	63 - 73	3.11	515.42
Unknown Zone					
EW-1	524.52	Unknown	Unknown	11.98	512.54
EW-4	527.51	60.1	Unknown	10.78	516.73
PW-1	530.52	Unknown	Unknown	16.52	514.00
PW-1A	526.17	22.7	Unknown	22.81	503.36*
PW-3	525.21	78.9	129 - 187	9.57	515.64

TOC = Top of casing BTOC = Below top of casing
AMSL = Above mean sea level bgs = Below ground surface
* - Light non-aqueous liquid detected

Appendix A
Groundwater Sampling Logs

CDM Smith

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: RIMW-1	SAMPLE ID: RIMW-1	DATE: 4/21/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 14.20	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☒ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1527	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1530	0.5L	1.0L	–	14.45	PROBE NOT TURNED ON						
1535	0.5L	1.5	–	14.44	6.66	19.4	0.497	–	1.50	34.2	–
1540	0.5L	2.0	–	14.45	6.62	19.4	0.498	–	0.39	29.3	–
1545	0.5L	2.5	–	14.46	6.64	19.3	0.501	–	0.26	21.2	–
1550	0.5L	3.0	–	14.45	6.65	19.4	0.501	–	0.29	19.8	–

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1555	SAMPLING ENDED AT: 1558

PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N)	FILTER SIZE: ____ mm Filtration Equipment Type:

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold): 2. pH: ± 0.1 units; Specific Conductance: ±5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION Rock Hill, SC	
WELL NO: RIMW-3	SAMPLE ID: RIMW-3	DATE: 4/21/21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH: 24-34 (feet TOC)	STATIC DEPTH TO WATER (feet TOC) 13.16	PURGE PUMP TYPE: ~~SUBMERSIBLE (Monsoon)~~ Peri

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☐ Low-Flow ☐ Traditional (3 Well Volume)

35 feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
0945	0	0		13.16	7.22	18.4	0489	—	8.43	-44.7	Grey
0950	.25	.25		13.85	6.76	18.5	0.447	—	0.30	-3.4	↓
0955	0.25	0.50		14.01	6.73	18.5	0.446	—	0.17	32.0	
1000	0.25	0.75		14.03	6.74	18.6	0.449	—	0.26	46.6	Clear
1005	0.25	1.00		14.04	6.74	18.6	0.452	—	0.25	52.1	Clear

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 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: Nomi Arcilla /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1010	SAMPLING ENDED AT: 1015
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	
PUMP TUBING REPLACED: 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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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 = Alten (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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable, Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillips Services Corporation	SITE LOCATION Rock Hill, SC	
WELL NO: RIMW-4	SAMPLE ID: RIMW-4	DATE: 4.22.21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 13.90	PURGE PUMP TYPE: ~~Submersible (Mersoon)~~ R.P

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY; PURGE METHOD: ☑ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1010	0.25	0.25	–	14.45	6.14	18.9	0.820	–	2.71	52.2	–
1015	0.25	0.50	–	14.52	6.23	19.0	0.810	–	0.33	50.5	–
1020	0.25	0.75	–	14.54	6.22	19.1	0.830	–	0.22	47.4	–
1025	0.25	1.00	–	14.57	6.22	19.2	0.840	–	0.17	45.5	–
1030	0.25	1.25	–	14.60	6.21	19.3	0.840	–	0.16	39.9	–

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.091; 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: Kayla Kane /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1035	SAMPLING ENDED AT: 1043
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ____ mm. Filtration Equipment Type:	

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philly Services Corporation	SITE LOCATION Rock Hill, SC	
WELL NO: RIMW-6	SAMPLE ID: RIMW-6	DATE: 4-21-21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 20-30 (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 11.51	PURGE PUMP TYPE: ~~Submersible (Monsoon)~~ Peristaltic Pump

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY. PURGE METHOD: ☒ Low-Flow ☐ Traditional (3 Well Volume)

(31 feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl): 25	PURGING INITIATED AT: 1645	PURGING ENDED AT: 1705	TOTAL VOLUME PURGED (gallons): 1.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or µS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1645	0.25	0.25	–	12.19	6.43	18.8	0.900	–	0.49	-44.2	–
1650	0.25	0.50	–	12.15	6.50	18.8	0.960	–	0.25	-52.2	–
1655	0.25	0.75	–	12.09	6.53	18.7	1.02	–	0.23	-70.1	–
1700	0.25	1.00	–	12.07	6.51	18.8	1.04	–	0.27	-62.9	–
1705	0.25	1.25	–	12.07	6.52	18.8	1.06	–	0.18	-63.9	–

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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" = 0.015

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: PATRICK KONE /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1710	SAMPLING ENDED AT: 1715
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ____ mm Filtration Equipment Type:	

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)
RIMW-6	3			HCl	NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: RIMW-8	SAMPLE ID: RIMW-8	DATE: 4/22/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 14.30	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY. PURGE METHOD: ☒ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1108	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1110	0.5L	1.5L	—	14.63	6.64	17.4	0.60	—	1.51	-7.2	—
1115	0.5L	2L	—	14.65	6.50	17.4	0.60	—	1.87	-16.6	—
1120	0.5L	2.5L	—	14.71	6.50	17.8	0.62	—	9.21	-26.1	—
1125	0.5L	3.0L	—	14.72	6.56	17.8	0.64	—	12.11	-35.1	—
1130	0.5L	3.5L	—	14.74	6.55	17.9	0.64	—	11.95	-36.8	—
1135	0.5L	4.0L	—	14.75	6.57	17.9	0.64	—	11.77	-39.4	—
1140	0.5L	4.5L	—	14.73	6.57	17.8	0.65	—	11.86	-39.8	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1140	SAMPLING ENDED AT: 1147
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ____ mm Filtration Equipment Type:	

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: RIMW-9	SAMPLE ID: RIMW-9	DATE: 4/20/21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC):	STATIC DEPTH TO WATER (feet TOC): 11.13	PURGE PUMP TYPE: Submersible (Monsoon)

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☐ Low-Flow ☐ Traditional (3 Well Volume)

12.2 feet TOC – feet TOC) x 0.163 gallons/foot = gallons x 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1625	0	0		11.13	7.16	19.9	.193	—	6.63	134.7	
1630	0.25	0.25		11.30	6.03	20.0	.189	–	4.56	172.7	
1635	0.25	0.50		11.39	5.83	20.0	0.187	-	4.53	141.2	
1640	0.25	0.75		11.41	5.83	19.9	0.187		4.59	144.2	
1645	0.25	1.00		11.43	5.87	19.9	0.186		4.61	138.9	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1650	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm	Filtration Equipment Type:
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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: FMW-10	SAMPLE ID: RMW-10	DATE: 4-20-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 27-37 (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 16.9	PURGE PUMP TYPE: Peristaltic

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☑ Low-Flow ☐ Traditional (3 Well Volume)

(38 feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1545	0.25	0.25	-	17.52	6.96	22.7	0.334	-	3.92	82.1	-
1550	0.25	0.50	-	17.63	6.49	21.0	0.354	-	0.73	109.6	-
1555	0.25	0.75	-	17.78	6.36	22.2	0.361	-	0.47	109.3	-
1600	0.25	1.00	-	17.79	6.39	22.0	0.365	-	0.41	101.8	-
1605	0.25	1.25	-	17.83	6.38	22.1	0.421	-	0.44	101.9	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1610	SAMPLING ENDED AT: 1615
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ___ mm; Filtration Equipment Type:	

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION Rock Hill, SC	
WELL NO. RIMW-11	SAMPLE ID: RIMW-11	DATE: 4/20/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC)	STATIC DEPTH TO WATER (feet TOC) 11.58	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: X Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1210	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1215	0.5L	1L	—	11.88	6.68	18.2	0.966	—	1.44	165.4	—
1220	0.5L	1.5L	—	11.94	6.43	18.1	0.472	—	0.58	165.6	—
1225	0.5L	2.0L	—	11.91	6.44	18.0	0.470	—	0.48	159.2	—
1230	0.5L	2.5L	—	11.91	6.45	18.1	0.963	—	0.51	134.5	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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" = 0.0005; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1230	SAMPLING ENDED AT: 1235
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N FILTER SIZE: ____ mm Filtration Equipment Type:	
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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: RIMW-12	SAMPLE ID: RIMW-12	DATE: 04/20/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 12.65	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☐ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1347	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1350	1L	1.5L	MM	~~6.76~~	6.77	21	0.387	—	3.80	206.3	—
—	—	—	—	12.91	—	—	—	—	—	—	—
1355	0.5L	2.0L	—	12.92	6.62	21	0.389	—	3.42	206.8	—
1400	0.5L	2.5L	—	12.94	6.60	21.1	0.389	—	3.52	203.9	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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

1405 MM

SAMPLED BY (PRINT) / AFFILIATION: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: [illegible]	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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; RSPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: RIMW-13	SAMPLE ID: RIMW-13	DATE: 4/20/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 15.97	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☒ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 11:28	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
11:30	0.5L	1.0L	—	17.15	7.32	19.2	0.132	—	5.51	109.8	—
11:35	0.5L	1.5L	—	18.2	7.04	19.2	0.127	—	0.7	107.8	—
11:40	0.5L	2.0L	—	19.2	7.03	19.4	0.125	—	0.54	102.7	—
11:45	0.5L	2.5L	—	19.4	7.04	19.4	0.124	—	0.43	96	—
11:50	0.5L	3.0L	– MM	~~19.3~~	6.98	19.3	0.124		0.39	92.5	—
				19.7							

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:55	SAMPLING ENDED AT: 1158

PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE
SITE NAME: Former Philip Services Corporation — LOCATION: Rimersburg, PA

WELL NO: RIMW-14 — SAMPLE ID: RIMW-14 — DATE: 4-20-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 79-69 (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 16.54	PURGE PUMP TYPE: Peristaltic

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) × WELL CAPACITY — PURGE METHOD: Low Flow (Traditional) / Anti Stagnation

(79 feet TOC − feet TOC) × 0.163 gallons/foot × gallons × 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP (°C)	SP. COND. (specify units) mS/cm or µS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (specify units) mg/L or % saturation	ORP (mV)	COLOR, ODOR (describe)
1500	0	0		16.54	7.21	20.2	0.522	—	2.14	-25.1	—
1505	0.25	0.25		18.61	7.43	20.0	0.700	—	0.27	-76.7	
1510	0.25	0.50		21.50	7.47	19.5	0.560	—	0.19	-81.8	—
1515	0.25	0.75		21.20	7.64	20.2	0.548	—	0.17	-85.9	—
1520	0.25	1.00		22.45	7.61	20.4	0.540	—	0.17	-90.2	—
1525	0.25	1.25		22.40	7.63	20.5	0.542	—	0.16	-96.9	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 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: PAT KANG /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1530	SAMPLING ENDED AT: 1535

PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N)	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP Y N — TUBING Y (N) (replaced) — Filtration Equipment Type: — 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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: ≤ 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: RIMW-15	SAMPLE ID: RIMW-15	DATE: [illegible]

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 70-190 feet TOC	STATIC DEPTH TO WATER (feet TOC): 11.93	PURGE PUMP TYPE: Peristaltic

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY   PURGE METHOD: Low Flow / Traditional (3 Well Volumes)

(185 feet TOC − feet TOC) X 0.163 gallons/foot = gallons 3 X =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl): 85	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl): 85	PURGING INITIATED AT: 1535	PURGING ENDED AT: 1558	TOTAL VOLUME PURGED (gallons): 1.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP (°C)	SP. COND. (circle units) mmhos/cm or µS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ODOR (describe)
1535	0.25	0.25	—	12.33	7.31	18.7	0.151	—	1.31	118.4	—
1540	0.25	0.50	—	12.34	6.48	18.7	0.161	—	0.72	121.1	—
1545	0.25	0.75	—	12.36	6.34	18.7	0.131	—	0.[illegible]	125.4	—
1550	0.25	1.00	—	12.38	6.50	18.7	0.345	—	2.23	136.1	—
1555	0.25	1.25	—	12.29	6.54	18.8	0.362	—	2.35	139.5	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: PATRICK EANG/CDM Smith	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1600	SAMPLING ENDED AT: 1605
PUMP OR TUBING DEPTH IN WELL (feet bgl): 85	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N)	FILTER SIZE: ____ µm
		Filtration Equipment Type:	
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			
RIMW-15	3			HCl	NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).

2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation | SITE LOCATION: Port Hope, ON

WELL NO.: RMW-16 | SAMPLE ID: RMW-16 | DATE: 4/21/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC): 45-55	STATIC DEPTH TO WATER (feet TOC): 11.83	PURGE PUMP TYPE: Peristaltic Pump

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATE DEPTH TO WATER) X WELL CAPACITY | PURGE METHOD: Low Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl): 50	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl): 50	PURGING INITIATED AT: 1615	PURGING ENDED AT: 1630	TOTAL VOLUME PURGED (gallons): 0.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (write units) conductance or salinity	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or saturation	ORP (mV)	COLOR/ ODOR (describe)
1615	0	0	–	12.33	7.13	19.1	0.698	–	7.55	119.1	–
1620	0.25	0.25	–	12.33	6.42	18.9	0.700	–	0.38	93.1	–
1625	0.25	0.50	–	12.44	6.43	18.8	0.700	–	0.32	93.3	–
1630	0.25	0.75	–	12.42	6.41	18.7	0.700	–	0.35	70.1	–

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: PATRICK KORN/CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1635	SAMPLING ENDED AT: 1640

PUMP OR TUBING DEPTH IN WELL (feet bgl): 50	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N)	FILTER SIZE: ____ µm
		Filtration Equipment Type:	

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)
RMW-16	3			HCl	NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: [illegible] Corporation	SITE LOCATION: [illegible], SC	
WELL NO: RIMW-18	SAMPLE ID: RIMW-18	DATE: 4/20/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet TOC	STATIC DEPTH TO WATER (feet TOC): 11.70	PURGE PUMP TYPE: PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: X Low Flow ☐ Conventional (3 Well Volumes)

(feet TOC − feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1630	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) μmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ODOR (describe)
1635	1L	1L	—	11.70	7.36	20.0	0.279	—	0.44	-121.0	—
1640	0.5L	1.5L	—	14.63	6.97	20.1	0.225	—	0.27	-76.7	—
1645	0.5L	2.0L	—	16.45	6.82	20.0	0.163	—	0.21	-62.9	—
1650	0.5L	2.5L	—	16.71	6.91	19.6	0.189	—	0.18	-55.6	—
1655	0.5L	3.0L	—	16.85	6.90	20.1	0.116	—	0.15	-46.2	—
1700	1L	4.0L	—	16.92	6.84	19.6	0.111	—	0.14	-46.2	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1705	SAMPLING ENDED AT: 1709
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N FILTER SIZE: ____ μm Filtration Equipment Type:	
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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE
NAME: Former Phillip Services Corporation

SITE
LOCATION: [illegible]

WELL NO: PMW-14 | SAMPLE ID: PMW-14 | DATE: 4-21-21

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH	STATIC DEPTH TO WATER	PURGE PUMP TYPE
2		70-80 (feet TOC)	(feet TOC) 14.09	Peristaltic

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: (1) Low Flow (2) Traditional (3 Well Volume)

1 81 (feet TOC) – (feet TOC) X 0.163 (gallons/foot) = (gallons) X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl)	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl)	PURGING INITIATED AT	PURGING ENDED AT	TOTAL VOLUME PURGED (gallons)

TIME	VOLUME PURGED (gallons)	CUMULATIVE VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP (°C)	SP COND (circle units: mS/cm or µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units: mg/L or % saturation)	ORP (mV)	COLOR/ ODOR (describe)
1405	0	0	–	14.09	7.41	20.6	0.377	–	3.42	88.1	–
1410	0.25	0.25	–	14.10	6.57	20.4	0.363	–	2.40	102.4	–
1415	0.25	0.50	–	14.12	6.50	19.9	0.362	–	2.39	107.3	–
1420	0.25	0.75	–	14.12	6.45	19.8	0.361	–	2.42	122.4	–

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1425	SAMPLING ENDED AT: 1430
/CDM Smith			

PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N)	FILTER SIZE: ____ µm
		Filtration Equipment Type:	

FIELD DECONTAMINATION: PUMP Y N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION / SAMPLE PRESERVATION (volume added)

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSES AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold):
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: ± 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

NAME (Crew): Phillip Sawyers (CDM Smith)

WELL NO: RMW-13

SAMPLE ID: RMW-13

DATE: 4-13-21

PURGING DATA

WELL DIAMETER (inches): 2

TUBING DIAMETER (inches):

WELL SCREEN INTERVAL DEPTH: 104 - 119 ft. BGS

WELL CASING MATERIAL: PVC

WELL CONDITION: Acceptable

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x 0.16 gallons/foot

1.12 ft x 0.163 gallons/foot = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgs): 108

FINAL PUMP OR TUBING DEPTH IN WELL (feet bgs): 108

TIME	VOLUME PURGED (gallons)	CUMULATIVE VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet BTOC)	pH (standard units)	TEMP. (°C)	SP. COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)	ORP (mV)	COLOR, ODOR (describe)
0753	0	0		6.19	6.89	15.2	0.789	~	3.7	65.1	~
0800	0.25	0.25		6.23	7.09	15.9	0.276	~	0.36	-91.8	~
0805	0.25	0.50		6.24	7.09	16.0	0.274	~	0.24	-52.0	~
0810	0.25	0.75		6.24	7.04	15.8	0.275	~	0.64	-62.3	~
0815	0.25	1.00			7.10	15.4	0.277	~	0.66	67.1	

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith

SAMPLER(S) SIGNATURE(S):

SAMPLING INITIATED AT: 0820

SAMPLING COMPLETED AT:

PUMP OR TUBING DEPTH IN WELL (feet bgs): 108

TUBING MATERIAL CODE:

FIELD-FILTERED: Y (N)

FILTER SIZE: ____ µm

FILTRATION EQUIPMENT TYPE:

FILTRATION PUMP Y (N) TUBING Y (N)

DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION

SAMPLE PRESERVATION

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSES AND/OR METHOD	SAMPLING EQUIPMENT CODE	FLOW RATE (mL per minute)
RMW-13	3		120 mL	HCl	NA				
DUP-5	3		120 mL	HCl	NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold):

2. pH: ± 0.1 units, Specific Conductance: ± 5%, Turbidity: < 10 NTUs or until stable, Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: [illegible]	
WELL NO: RIMW-22	SAMPLE ID: RIMW-22	DATE: 5/11/21

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH: 124.9 – 134.9 feet TOC	STATIC DEPTH TO WATER (feet TOC): 10.31	PURGE PUMP TYPE: Peristaltic

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY ... (Low Flow / Traditional / Well Volume)

1135 feet TOC – feet TOC X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl): 130	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl): 130	PURGING INITIATED AT: 1500	PURGING ENDED AT: 1515	TOTAL VOLUME PURGED (gallons): 0.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP (°C)	SP. COND. (circle units) µmhos/cm or µS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ODOR (describe)
1500	0	0	–	10.31	7.53	19.7	0.570	–	0.62	123.4	–
1505	0.25	0.25	–	13.86	7.20	19.2	0.187	–	1.10	104.7	–
1510	0.25	0.50	–	16.03	7.00	19.1	0.126	–	0.92	103.8	–
1515	0.25	0.75	–	16.05	7.03	19.1	0.126	–	0.76	102.1	–
~~1520~~					~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	–	~~[illegible]~~	~~[illegible]~~	–

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: Patrick Kane /CDM Smith	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1525	SAMPLING ENDED AT: 1530
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm; Filtration Equipment Type:	
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

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)
RIMW-22	3			HCl	NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: RIMW-23	SAMPLE ID: RIMW-23	DATE: 4/20/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 9.04	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: (Low-Flow) Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 937	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % Saturation	ORP (mV)	COLOR/ ODOR (describe)
940	0.25L →		—	9.98	9.24	17.7	0.88	—	0.25	-77.3	—
945	1 L →		—	~~8.84~~	8.89	17.9	0.88	—	0.17	-98.1	—
—	~~1.5 L~~	MM	—	10.91 TMW	—	—	—	—	—	—	—
950	1.5L →		—	11.47	8.90	18	0.88	—	0.15	-114.7	—
955	3L →		—	11.71	9.08	18	0.88	—	0.16	-151.7	—
1000	4L →		—	11.91	10.51	18	0.87	—	0.13	-190.3	—
1005	4.5L →		—	12.12	11.41	18.1	0.89	—	0.12	-190.0	—
1010	5.5L →		—	12.31	11.42	18.2	0.89	—	0.13	-180.2	—
1015	6.5L →		—	12.34	11.34	18.2	0.89	—	0.12	-170.2	—
1020	1L	7.5L	—	12.42	11.33	18.4	0.89	—	0.13	-178.3	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1025	SAMPLING ENDED AT: 1028
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ mm

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: RIMW-24	SAMPLE ID: RIMW-24	DATE: 4/20/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 9.82	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☒ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 9:00	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	ORP (mV)	COLOR/ ODOR (describe)
9:05	0.5L →		–	10.05	6.82	17.7	0.398	—	1.09	198	NA
9:10	1.5L →		–	10.06	6.81	17.9	0.399	—	0.37	144.1	NA
9:15	2L →		–	10.05	6.79	17.9	0.399	—	0.23	141.6	NA
9:20	2.2L →		–	10.06	6.78	18.0	0.398	—	0.18	140.0	NA
9:25	0.9	2.6L	–	10.05	6.77	18.0	0.398	—	0.16	138.8	NA

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 930	SAMPLING ENDED AT: 933
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N FILTER SIZE: ____ mm; Filtration Equipment Type:	

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: ± 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation	SITE LOCATION Rock Hill, SC	
WELL NO: RIMW-25	SAMPLE ID: RIMW-25	DATE: 4/22/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 10.87	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☐ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 0940	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
0945	0.5L		—	11.04	7.26	18.1	0.302	—	1.45	7.2	—
0950	0.5L		—	11.07	7.11	18.2	0.300	—	1.13	10.05	—
0955	0.5L		—	11.06	7.08	18.2	0.300	—	0.86	-5.5	—
1000	0.5L		—	11.05	7.09	18.3	0.303	—	0.72	-17.8	—
1005	0.5L		—	11.05	7.07	18.1	0.306	—	0.66	-35.6	—
1010	0.5L		—	11.05	7.13	18.2	0.312	—	0.54	-55.1	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1015	SAMPLING ENDED AT: 1017
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N)	FILTER SIZE: ____ mm
		Filtration Equipment Type:	

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: RIMW-26	SAMPLE ID: RIMW-26	DATE: 4/21/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 8.23	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☒ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1045	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1050	1 L	1 L	–	9.72	9.35	18.8	1.14	–	0.23	-98.2	–
1055	0.5L	1.5	–	10.06	8.73	18.8	1.14	–	0.13	-123.8	–
1100	0.5L	2.0	–	11.43	8.60	18.9	1.14	–	0.11	-140.3	–
1105	0.5L	2.5	–	11.67	8.79	18.9	1.14	–	0.09	-160.5	–

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1110	SAMPLING ENDED AT: 1113

PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: (Y) N DUP-3

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: ≤ 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: RIMW-27	SAMPLE ID: RIMW-27	DATE: 4-22-21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 11.91	PURGE PUMP TYPE: ~~Submersible/Bladder~~ PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☒ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1120	PURGING ENDED AT: 1150	TOTAL VOLUME PURGED (gallons): 1.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1120	0.25	0.25	–	12.55	7.31	18.9	0.371	–	5.41	-108.0	–
1125	0.25	0.50	–	13.55	7.83	18.8	0.369	–	0.71	-214.5	–
1130	0.25	0.75	–	14.55	7.91	19.1	0.368	–	0.49	-238.7	–
1135	0.25	1.00	–	15.45	7.95	19.2	0.365	–	0.36	-255.0	–
1140	0.25	1.25	–	16.36	7.99	19.2	0.366	–	0.27	-269.5	–
1145	0.25	1.50	–	17.41	7.93	18.9	0.367	–	0.24	-282.2	–
1150	0.25	1.75	–	17.48	7.88	19.1	0.365	–	0.24	-290.8	–

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: PATRICK PA/CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1200	SAMPLING ENDED AT: 1205
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ____ mm Filtration Equipment Type:	
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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: RIMW-28	SAMPLE ID:	DATE: 4/22/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 1.9	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☐ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT: 0848	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
0850	0.5L		—	2.65	7.97	18.0	0.296	—	5.36	-42.3	—
0855	0.5L		—	4.00	8.53	18.6	0.304	—	0.77	-141.5	—
0900	0.5L		—	5.28	8.61	18.6	0.306	—	0.39	-191.4	—
0905	0.5L		—	6.40	8.66	18.7	0.306	—	0.25	-227.1	—
0910	0.5L		—	8.15	8.68	18.6	0.307	—	0.21	-243.3	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0915	SAMPLING ENDED AT: 0918
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ____ mm Filtration Equipment Type:	
FIELD DECONTAMINATION: PUMP Y (N) TUBING Y N (replaced)		DUPLICATE: Y (N) DUP-6	

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO.: RIMW-29	SAMPLE ID.: RIMW-29	DATE: 4-20-21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 54-64 (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 10.92	PURGE PUMP TYPE: Submersible (Monsoon)

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☐ Low-Flow ☐ Traditional (3 Well Volume)

64 feet TOC – feet TOC: X 0.163 gallons/foot = Gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (ml/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1115	0	0		10.92	7.30	16.6	0.237	–	2.49	-91.6	–
1120	0.25	0.25		10.52	7.78	16.6	0.264	–	0.40	-122.6	–
1125	0.25	0.50		11.47	7.87	16.7	0.263	–	0.31	-127.3	–
1130	0.25	0.75		11.51	7.89	16.8	0.263	–	0.24	-130.5	–
1135	0.25	1.00		11.39	7.92	16.8	0.264	–	0.25	-133.3	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: ROTARICK FARM /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1140	SAMPLING ENDED AT: 1145
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ mm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y (N) (replaced)	DUPLICATE: (Y)	

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)
RIMW-29	3			HCl	NA				
DUP-1	3			HCl	NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: ≤ 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater).

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: RIMW-3D	SAMPLE ID: RIMW-3D	DATE: 4.22.21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 92-82 (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 6.35	PURGE PUMP TYPE: ~~Submersible (Masoneilan)~~ Peristaltic

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☒ Low-Flow ☐ Traditional (3 Well Volume)

(92 feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 0842	PURGING ENDED AT: 0900	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	ORP (mV)	COLOR/ ODOR (describe)
0845	0.25	0.25	–	6.44	6.49	16.1	0.157	–	1.16	35.5	–
0850	0.25	0.50	–	6.47	6.41	16.2	0.157	–	0.78	34.9	–
0855	0.25	0.75	–	6.46	6.38	16.3	0.157	–	0.75	32.9	–
0900	0.25	1.00	–	6.48	6.39	16.5	0.157	–	0.69	31.7	–

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0905	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ____ mm	Filtration Equipment Type:

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)
RIMW-3D					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: MW-21	SAMPLE ID: MW-21	DATE: 4-22-21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 0.70	PURGE PUMP TYPE: ~~Submersible (Monsoon)~~ S.P

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☑ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT: 0930	TOTAL VOLUME PURGED (gallons): 0.96

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
0920	0.25	0.25	–	1.74	6.20	16.7	0.062	–	0.32	42.4	–
0925	0.25	0.50	–	3.97	6.21	16.9	0.063	–	0.28	35.7	–
0930	0.25	0.75	–	4.92	6.16	16.4	0.063	–	0.29	29.8	–
0935	0.25	1.00	–	5.90	6.14	16.6	0.063	–	0.27	24.3	–
0940	0.25	1.25	–	6.91	6.15	16.5	0.064	–	0.28	21.0	–

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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" = 0.0005; 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: PATRICK KA/CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0945	SAMPLING ENDED AT: 0958
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ____ mm Filtration Equipment Type:	
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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: MW-101	SAMPLE ID: MW-101	DATE: 4/20/2021

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 12.12	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☒ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1040	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1050	0.5	1.5	–	12.28	7.97	18.6	0.346	–	2.26	33.6	NA
1055	0.5	2L	–	12.31	7.13	18.9	0.356	–	2.40	44.7	NA
1100	0.5	2.5L	–	12.34	6.95	19.7	0.358	–	2.39	59.0	NA
1105	0.5	3.0L	–	12.35	6.87	18.9	0.363	–	2.65	72.9	NA
1110	0.5	3.5L	–	12.35	6.76	19.0	0.363	–	2.67	79.3	NA
1115	0.5	4.0L	–	12.36	6.75	19.1	0.362	–	2.83	81.7	NA

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:15	SAMPLING ENDED AT: 11:19

PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) FILTER SIZE: ____ mm Filtration Equipment Type:

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold):
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: MW-102	SAMPLE ID: MW-102	DATE: 04/20/2021

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC):	STATIC DEPTH TO WATER (feet TOC): 13.15	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: [X] Low-Flow [ ] Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1250	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1255	0.5L	1	—	13.2	6.85	18.5	0.303	—	4.62	192.2	—
1300	0.5L	1.5L	—	13.21	6.51	18.3	0.302	—	4.42	199.4	—
1305	0.5L	2.0L	—	13.21	6.55	18.3	0.302	—	4.31	198	—
1310	0.5L	2.5L	—	13.21	6.57	18.3	0.301	—	4.36	197.9	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1315	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N FILTER SIZE: ____ mm	Filtration Equipment Type:

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation	SITE LOCATION Rock Hill, SC	
WELL NO: MW-103	SAMPLE ID: MW-103	DATE: 4/19/2021

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 9.58	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☒ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 5:27	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
5:30	8L →		—	9.61	6.58	18.2	193.5	—	1.67	-74.6	—
5:35	9L →		—	9.72	6.60	18.1	195.7	<	0.5	-73.2	—
5:40	10L →		—	9.79	6.68	18.1	196.5	—	0.32	-90.9	—
5:45	11.25L →		—	9.83	6.72	18.2	198	—	0.25	-98.2	—
5:50	12.25L →		—	9.8	6.72	18	199.5	—	0.23	-100.9	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 5:50	SAMPLING ENDED AT: 5:52
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y N FILTER SIZE: ___ µm Filtration Equipment Type:	
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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: ≤ 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: MW-105	SAMPLE ID: MW-105	DATE: 4/20/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 17.96	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: (Low-Flow ○ Traditional (3 Well Volume))

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1535	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1540	0.5L → 1.0L	—	18.90	7.02	17.3	0.526	—	1.58	208.1	—	
1545	1.5L → 2.5L	—	18.75	6.96	17.4	0.520	—	1.38	208.7	—	
1550	0.5L → 3.0L	—	19.11	7.01	17.4	0.520	—	1.40	195.7	—	
1555	1L → 4.0L	—	19.14	7.04	17.3	0.520	—	1.36	192.8	—	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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" = 0.015

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1555	SAMPLING ENDED AT: 1557
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N FILTER SIZE: ____ µm	Filtration Equipment Type:
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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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; RPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.1 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: MW-111	SAMPLE ID: MW-111	DATE: 04-20-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC):	STATIC DEPTH TO WATER (feet TOC): 13.59	PURGE PUMP TYPE: Submersible (Monsoon)

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☐ Low-Flow ☐ Traditional (3 Well Volume)

17.20 feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons)

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1350	0	0		13.59	6.93	16.7	0.64	–	2.62	112.6	
1355	0.25	0.25		13.90	6.69	16.7	0.70	–	1.59	29.1	
1400	0.25	0.50		13.90	6.63	16.8	0.72	–	1.39	2.6	
1405	0.25	0.75		13.81	6.65	17.2	0.73	–	1.03	-11.9	
1410	0.25	1.00		13.95	6.63	16.6	0.75	–	0.89	-16.8	
1415	0.25	1.25		14.00	6.58	16.5	0.76	–	0.61	-26.3	
1420	0.25	1.50		16.43	6.59	16.9	0.77	–	0.48	-31.9	

WELL CAPACITY (Gallons Per Foot): 0.25" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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; 5/16" = 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: Noah Auvil / CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1425	SAMPLING ENDED AT: 1450
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ____ (µm) Filtration Equipment Type:	
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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).

2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: ± 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO.: MW-112	SAMPLE ID: MW-112	DATE: 4-20-21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 112-162 (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 11.96	PURGE PUMP TYPE: Submersible (Monsoon)

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: (1) Low-Flow 2) Traditional (3 Well Volume)

(117 feet TOC - feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1205	0	0		11.96	7.51	16.3	0.556	~	2.85	108.5	
1210	0.25	0.25		13.90	6.70	15.0	0.560	~	1.84	125.0	
1215	0.25	0.5		14.62	6.77	14.7°	0.561	~	1.84	82.0	
1220	0.25	0.75		16.11	6.60	14.7	0.560	~	1.81	77.8	
1225	0.25	1.00		17.00	6.60	14.9	0.561		4.63	33.6	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:

PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: →	FIELD-FILTERED: Y (N) FILTER SIZE: ____ mm Filtration Equipment Type:

FIELD DECONTAMINATION: PUMP Y N TUBING Y N 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)
					na				
					na				
					na				
					na				
					na				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable, Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: MW-113A	SAMPLE ID: ~~MW-113A~~ MW-113A	DATE: 4-20-21

PURGING DATA

WELL DIAMETER (inches): 2 in	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 13.66	PURGE PUMP TYPE: Submersible (Monsoon)

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☐ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
0902	0	0		13.66	6.75	15.1	0.69	–	0.27	-136.7	BROWN
0912	0.25	0.25		14.68	6.75	15.1	0.69	–	0.16	-138.8	BROWN
0916	0.25	0.50		15.30	6.76	15.0	0.69	–	0.54	-132.4	–
0920	0.25	0.75		15.91	6.76	15.0	0.69	–	0.24	-130.9	–
0924	0.25	1.00		16.75	6.76	15.1	0.69	–	0.23	-130.8	–

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: PAT EATH /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0930	SAMPLING ENDED AT: 0935
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N)	FILTER SIZE: ____ mm
		Filtration Equipment Type:	
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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units, Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable, Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: MW-113B	SAMPLE ID: MW-113B	DATE: 4-20-21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 10.84	PURGE PUMP TYPE: Submersible (Monsoon)

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☐ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
0936	0	0		10.84	6.49	17.0	0.427	–	0.61	53.4	
0940	0.25	0.25		10.91	6.52	16.8	0.478	–	0.52	57.0	
0944	0.25	0.5		10.91	6.51	16.8	0.479	–	.22	67.2	
0948	0.25	0.75		10.93	6.50	16.9	0.478	–	0.16	73.0	
0952	0.25	1.00		10.92	6.49	17.0	0.476	–	0.14	76.7	
0956	0.25	1.25		10.92	6.49	17.0	0.474	–	0.12	79.8	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (L/ft): 1/8" = 0.0006; 1/16" = 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; Bl = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: NOAH ALLIGAND /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1000	SAMPLING ENDED AT: 1005

PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N)	FILTER SIZE: ____ mm
		Filtration Equipment Type:	

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: ± 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: MW-114	SAMPLE ID: MW-114	DATE: 04/20/21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC):	STATIC DEPTH TO WATER (feet TOC): 12.36	PURGE PUMP TYPE: Submersible (Monsoon)

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☐ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1015	0	0		12.52	6.68	14.8	0.361	–	0.36	37.1	
1020	0.25	0.25		12.70	6.36	14.8	0.362	–	0.31	32.4	
1025	0.25	0.5		12.90	6.33	14.9	0.376	–	0.25	3.0	
1030	0.25	0.75		13.08	6.41	14.8	0.377	–	0.18	-12.7	
1035	0.25	1.00		13.34	6.44	14.6	0.397	–	0.21	-30.0	
1040	0.25	1.25		13.37	6.46	14.7	0.420	–	0.12	-42.0	
1045	0.25	1.5		13.60	6.50	14.8	0.445	–	0.15	-54.9	
1050	0.25	1.75		13.73	6.55	14.8	0.458	–	0.15	-62.3	
1055	0.25	2.00		13.80	6.55	14.8	0.466	–	0.14	-67.7	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 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: Noah Aulicino/CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1100	SAMPLING ENDED AT: 1105
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N)	FILTER SIZE: ____ mm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y (N)/(replaced)	Filtration Equipment Type:	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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).

2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation		SITE LOCATION: Rock Hill, SC	
WELL NO: MW-115A	SAMPLE ID: MW-115A	DATE: 4/21/21	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL, DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 10.8	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☒ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 0825	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
0830	1 L	1L	—	12.99	4.99	13.2	0.079	—	4.96	204	—
0835	0.5L	1.5L	—	13.31	5.34	13.4	0.077	—	4.08	183.2	—
0840	0.5L	2.0L	—	14.04	5.35	13.3	0.078	—	3.50	188.7	—
0845	1 L	3.0L	—	15.12	5.35	13.4	0.078	—	3.62	194.3	—
0850											
WELL	RAN	DRY									

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N FILTER SIZE: ____ mm; Filtration Equipment Type:	

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Formac Phillip Services Corporation

WELL NO: MW-115B | SAMPLE ID: MW-115B | DATE: 4/21/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 9.38	PURGE PUMP TYPE (submersible, bladder, etc.): PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH (feet TOC) – STATIC DEPTH TO WATER (feet TOC)) X WELL CAPACITY (gallons/foot) = (feet TOC – feet TOC) X 0.163 gallons/foot = gallons x 3 = PURGE METHOD: ☒ Low Flow ☐ Traditional (3 Well Volume)

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 0858	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters or gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP (°C)	SP. COND. (circle units: millisiemens or microsiemens)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units: mg/L or % saturation)	ORP (mV)	ODOR (describe)
0900	0.5L	1.0L	—	9.43	6.62	19.8	0.497	—	0.53	23.1	—
0905	0.5L	1.5L	—	9.45	6.82	19.9	0.459	—	0.39	-21.5	—
0910	0.5L	2.0L	—	9.46	6.88	15.0	0.457	—	0.31	-29.5	—
0915	0.5L	2.5L	—	9.46	6.91	15.1	0.456	—	0.39	-30.0	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0915	SAMPLING ENDED AT: 0920

PUMP OR TUBING DEPTH IN WELL (feet bgl):

TUBING MATERIAL CODE: T

FIELD-FILTERED: Y N FILTER SIZE: ____ µm

Filtration Equipment Type:

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARX/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation	SITE LOCATION: Chattanooga, Hamilton County, TN
WELL NO: MW-118	SAMPLE ID: MW-118
DATE: 9/21/21	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC):	STATIC DEPTH TO WATER (feet TOC): 11.20	PURGE PUMP TYPE: Submersible (Monsoon): PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: (1) Low Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1223	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1225	1L	1L	–	11.5	7.05	18.9	0.83	–	2.05	-59.2	–
1229	0.5	1.5L	–	11.55	6.86	18.8	0.68	–	0.38	-62.9	–
1231	0.5	2.0L	–	11.7	6.68	19	0.68	–	0.28	-59.2	–
1234	0.5	2.5L	–	11.8	6.68	19	0.71	–	0.22	-63.9	–

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1235	SAMPLING ENDED AT: 1237
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N FILTER SIZE: ____ mm	Filtration Equipment Type:

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) FIELD BLANK COLLECTED: 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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: MW-119	SAMPLE ID: MW-119	DATE: 4/21/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 11.22	PURGE PUMP TYPE: Submersible (Monsoon): PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: (Low-Flow) Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1312	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1315	1L	1L	—	11.51	7.25	18.5	0.91	—	1.28	-127.6	—
1320	1L	2	—	11.79	7.17	18.3	0.92	—	0.39	-150.9	—
1325	1L	3	—	12.00	7.16	18.3	0.92	—	0.21	-157.9	—
1330	1L	4	—	12.27	7.19	18.2	0.92	—	0.13	-162.0	—
1335	1L	5	—	12.4	7.18	18.1	0.92	—	0.12	-161.9	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1340	SAMPLING ENDED AT: 1344

PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N FILTER SIZE: ____ mm Filtration Equipment Type:

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: < 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Forster Phillip Services Corporation	SITE LOCATION: [illegible], SC	
WELL NO: 120-A	SAMPLE ID: MW-120A	DATE: 4-14-2021

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC):	STATIC DEPTH TO WATER (feet TOC): 10.06	PURGE PUMP TYPE: Submersible (Geotech) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: (LOW FLOW) TRADITIONAL (3 WELL VOLUME)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 4:07	PURGING ENDED AT:	TOTAL VOL. PURGED: [illegible] gal. (L)

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
4:12	0.5 L →		—	10.09	5.53	14.9	188.3	—	1.5	63.4	—
4:17	1 L →		—	9.99	6.58	15.2	180.2	—	1.5	57.3	—
4:22	2L →		—	10.16	5.61	14.8	180.9	—	1.56	49.1	—
4:27	3L →		—	10.20	5.66	14.6	177.1	—	1.59	57.8	—
4:32	4.25L →		—	10.27	5.67	14.5	176.6	—	1.39	54.3	—
4:37	5.5L →		—	10.30	5.73	14.9	176	—	1.05	53.9	—
4:42	7L →		—	10.32	5.77	14.9	176.3	—	0.90	53.7	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 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" = 0.0025; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 4:45	SAMPLING ENDED AT: 4:49
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) Filtration Equipment Type:	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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable, Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION Rock Hill, SC	
WELL NO: MW-122 D	SAMPLE ID: MW-122 D	DATE: 4-21-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 355-23.5 (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 4.83	PURGE PUMP TYPE: Submersible (Grundfos) Peristaltic

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: (X) Low-Flow ( ) Traditional (3 Well Volume)

(39 feet TOC – feet TOC) X .0163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ODOR (describe)
0805	0	0		4.83	7.34	14.0	0.245	—	3.19	190.8	
0810	0.25	0.25		5.34	7.77	14.0	0.241	—	1.68	154.3	
0815	0.25	0.50		5.41	7.98	14.2	0.241	—	1.57	150.9	
0820	0.25	0.75		5.43	8.10	14.3	0.240	—	1.48	144.0	
0825	0.25	1.00		5.45	8.17	14.4	0.240	—	1.43	138.3	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: Noah Aulicino /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0830	SAMPLING ENDED AT: 0835
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ____ mm Filtration Equipment Type:	
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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold):
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rossville, GA
WELL NO: MW-123A	SAMPLE ID: MW-123A
DATE: 4/21/21	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC)	STATIC DEPTH TO WATER (Feet TOC): 13.18	PURGE PUMP TYPE (submersible, bladder): PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: (Low Flow or Traditional 3 Well Volumes)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1400	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP (°C)	SP. COND. (circle units: mmhos/cm or mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units: mg/L or % saturation)	ORP (mV)	ODOR/ COLOR (describe)
1405	0.5L	0.5L	–	14.09	6.90	21.5	0.64	—	0.23	-69	—
1410	0.5	1	–	14.41	6.86	21.4	0.62	—	0.26	-51	—
1415	0.5	1.5	–	14.59	6.84	21.3	0.62	—	0.17	-53	—
1420	0.5	2.0	–	14.66	6.81	20.9	0.67	—	0.15	-58.5	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1422	SAMPLING ENDED AT: 1425
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold):
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: ≤ 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: ~~[illegible]~~ BP-1A	SAMPLE ID: ~~[illegible]~~ BP-1A	DATE: 4-20-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 22.7-13.25 (feet TOC)	STATIC DEPTH TO WATER: (feet TOC) 11.95	PURGE PUMP TYPE: ~~[illegible]~~ Peristaltic

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: (Low-Flow) Traditional (3 Well Volume)

(25 feet TOC - feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 0816	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or (uS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
0816	0	0		11.95	6.67	15.6	6659	-	1.32	69.3	-
0820	0.5	0.50		12.69	6.85	15.5	0.67	-	0.52	30.2	-
0824	0.2	0.70		12.79	6.88	15.3	0.67	-	0.38	20.7	-
0828	0.2	0.90		13.00	6.85	15.4	0.67	-	0.29	13.7	-
0832	0.1	1.00		13.13	6.83	15.4	0.67	-	0.25	10.9	-
0836	0.25	1.25		13.21	6.79	15.4	0.67	-	0.22	9.9	-
0840	0.25	1.25		13.31	6.74	15.4	0.67	-	0.18	10.7	-
0844	0.25	1.50		13.37	6.69	15.5	0.68	-	0.15	12.3	-
0848	0.25	1.75		13.48	6.65	15.5	0.67	-	0.14	12.4	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02, 1" = 0.04, 1.25" = 0.06, 1.5" = 0.09), 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, 1/8" = 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: FAT [illegible] /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0950	SAMPLING ENDED AT: 0852
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	
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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).

2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation	SITE LOCATION: Bay Point, SC
WELL NO: BP-18	SAMPLE ID: BP-18
DATE: 9/22/21	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC)	STATIC DEPTH TO WATER (From TOC): 11.39	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☐ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 0748	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP (°C)	SP. COND. (circle units) mmhos/cm or µS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
0750	1 L		—	11.53	7.42	14.9	0.918	—	2.36	137.1	—
0755	0.5L		—	11.54	7.24	15.6	0.942	—	1.39	132.9	—
~~0800~~	NA	—	—	—	—	~~15.7~~	0.921	—	~~1.25~~	—	—
0800	0.5L		—	11.56	7.16	15.7	0.917	—	1.25	133.9	—
0805	0.5L		—	11.56	7.11	15.8	0.916	—	0.95	133.7	—
0810	0.5L		—	11.55	7.10	15.9	0.915	—	0.76	132.8	—
0815	0.5L		—	11.58	7.09	16.0	0.915	—	0.67	132.1	—
0820	0.5L		—	11.58	7.07	16.0	0.914	—	0.62	131.9	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0825	SAMPLING ENDED AT: 0820
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	
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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: ≤ 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: [illegible] Services Corporation	SITE LOCATION: [illegible], SC	
WELL NO: OB-11	SAMPLE ID: OB-11	DATE: 4-26-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: ~19 (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 13.7	PURGE PUMP TYPE: Peristaltic Pump

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY — PURGE METHOD: ☑ Low Flow ☐ Traditional (3 Well Volumes)

(7.0 feet TOC − feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1310	0	0	—	15.50	6.45	18.0	1.130	—	0.73	−106.4	Diesel smell
1315	0.25	0.25	—	16.93	6.34	17.9	1.140	—	0.90	−101.7	Diesel smell
1320	0.25	0.50	—	17.53	6.30	18.0	1.130	—	0.72	−99.1	Diesel smell
1325	0.25	0.75		17.58	6.33	17.8	1.130	—	0.7	−100.3	Diesel smell

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: Patrick [illegible] /CDM Smith	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1330	SAMPLING ENDED AT: 1345
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) FILTER SIZE: ___ µm; Filtration Equipment Type:	
FIELD DECONTAMINATION: PUMP Y N	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

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)
					NA				
					NA				
					NA				
					NA				
					NA				

(SAMPLE CONTAINER SPECIFICATION: Sample ID Code, # Containers, Material Code, Volume; SAMPLE PRESERVATION (including wet ice): Preservative Used, Total Vol Added in Field, Final pH)

REMARKS/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold)
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation	SITE LOCATION: Rock Hill, SC
WELL NO: GB-22	SAMPLE ID:
DATE: 4/20/21	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC):	STATIC DEPTH TO WATER: Feet TOC 13.00	PURGE PUMP TYPE (submersible, Masterflex): PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☒ Low Flow ☐ Traditional (3 Well Volumes)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1345	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP (°C)	SP. COND. (choose units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (choose units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1350			—	14.16	6.54	17.9	0.79	—	0.29	-70.2	—
1355			—	14.30	6.61	18.0	1.15	—	0.52	-67.2	—
1400			—	14.30	6.67	18.0	1.10	—	1.58	-65.1	—
STOP	FOR	OIL	—	14.20	6.74	18.5	1.18	—	2.48	-57.8	—
1410			—	〃	〃	〃	〃		〃	〃	
1415			—	14.30	6.67	18.2	1.20	—	2.28	-62.5	—
1420			—	14.30	6.66	18.4	1.24	—	1.73	-66.0	—
1425			—	14.30	6.66	18.2	1.26	—	1.26	-64.0	—
1430			—	14.30	6.66	18.5	1.27	—	0.50	-71.3	—
1435			—	14.30	6.67	18.4	1.29	—	0.55	-73.0	—
1440			—	14.30	6.67	18.5	1.29	—	0.41	-74.4	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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" = 0.014

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: PATRICK KANE/CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1445	SAMPLING ENDED AT: 1452

PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ____ mm Filtration Equipment Type:

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)
GB-22	3			HCl	NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold):
2. pH: ± 0.1 units; Specific Conductance: ± 3%, Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: < 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: OB-109	SAMPLE ID: OB-109	DATE: 4/21/2021

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 16.65	PURGE PUMP TYPE: Submersible (Masoneilan): PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: X Low-Flow O Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X X =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1450	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1455	0.5L	1L	—	17.20	6.92	20.6	0.59	—	0.67	45.2	—
1500	0.5L	1.5	—	17.31	6.86	20.5	0.59	—	0.34	40.3	—
1505	0.5L	2.0	—	17.29	6.81	20.2	0.58	—	0.21	34.3	—
1510	0.5L	2.5	—	17.34	6.82	20.2	0.58	—	0.18	31.3	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1515	SAMPLING ENDED AT: 1518
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N)	FILTER SIZE: ____ µm
		Filtration Equipment Type:	

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION Rock Hill, SC	
WELL NO: OB-109B	SAMPLE ID: OB-109B	DATE: 04/21/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 14.59	PURGE PUMP TYPE Submersible (Monsoon): PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: (Low-Flow) Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/feet = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1642	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1645	1L	1L	—	14.65	7.20	20	0.392	—	3.30	85.9	—
1650	0.5L	1.5	—	14.65	6.95	20.2	0.392	—	2.29	90.3	—
1655	0.5L	2.0	—	14.67	6.96	20.0	0.390	—	2.19	91.2	—
1700	0.5L	2.5	—	14.66	6.89	20.0	0.392	—	2.04	92.1	—
1705	0.5L	3.0	—	14.66	6.89	19.9	0.394	—	2.01	92.5	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1705	SAMPLING ENDED AT: 1708
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ___ mm Filtration Equipment Type:	
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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: ≤ 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: OB-110A	SAMPLE ID: OB-110A	DATE: 4-21-21

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 25-30 (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 11.38	PURGE PUMP TYPE: Peristaltic

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: ☒ Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl): 26	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl): 26	PURGING INITIATED AT: 1205	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1205	0	0		11.38	7.38	20.8	0.630	—	3.28	111.0	—
1210				11.45	6.86	20.1	0.630	—	0.40	109.0	—
1215				11.43	6.82	20.6	0.630	—	0.30	55.7	
1220				11.46	6.50	20.7	0.750	—	0.33	27.2	
1225				11.57	6.53	20.5	0.760	—	0.23	-34.9	
1230				11.53	6.44	19.9	0.760	—	0.23	-35.3	
1235				11.50	6.45	20.5	0.76	—	0.16	-36.6	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: Noah Aulicino /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1240	SAMPLING ENDED AT: 1250

PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) FILTER SIZE: ____ mm Filtration Equipment Type:

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: [illegible]
WELL NO.: OB-110B	SAMPLE ID: OB-110B
DATE: 9/21/21	

PURGING DATA

WELL DIAMETER (inches): 3 1/2"	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC): 130-135	STATIC DEPTH TO WATER (feet TOC): 13.61	PURGE PUMP TYPE: Submersible (Monsoon)

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY; PURGE METHOD: ☐ Low Flow ☐ Traditional (3 Well Volume)

117 feet TOC − feet TOC X 0.163 gallons/foot = gallons x 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % Saturation	ORP (mV)	COLOR/ODOR (describe)
1110	0	0		13.61	7.44	14.3	0.313	—	5.39	101.2	
1115	0.25	0.25		16.4	7.15	19.7	0.341	—	0.84	-3.2	
1120	0.25	0.50		15.79	7.25	19.8	0.356	—	0.36	-62.0	
1125	0.25	0.75		15.62	7.39	19.7	0.333	—	0.34	-64.0	
1130	0.25	1.00		15.63	7.45	19.7	0.328	—	0.30	-64.0	
1135	0.25	1.25		15.61	7.48	19.9	0.325		0.28	-64.0	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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; 1/16" = 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: N. AR [illegible] /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1140	SAMPLING ENDED AT: 1150
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ___ mm	Filtration Equipment Type:
FIELD DECONTAMINATION: PUMP Y N	TUBING Y (N) (replaced)		DUP. SAMPLE 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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold):
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION: Rock Hill, SC	
WELL NO: P-1	SAMPLE ID: P-1	DATE: 4/21/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet TOC):	STATIC DEPTH TO WATER (feet TOC): 10.62	PURGE PUMP TYPE (submersible, bladder, etc.): PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) x WELL CAPACITY PURGE METHOD: X Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 0942	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) µmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
0945	0.5L	0.5L	—	11.09	6.83	17.8	0.543	—	3.97	-57.1	—
0950	0.5L	1.0L	—	11.39	6.82	17.7	0.452	—	0.68	-72.2	—
0955	0.5L	0.5L	—	12.10	6.82	17.7	0.384	—	0.27	-80.2	—
1000	0.5L	2.0L	—	12.37	6.87	17.6	0.336	—	0.22	-82.4	—
1005	0.5L	2.5L	—	12.50	6.88	17.7	0.309	—	0.33	-80.9	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1005	SAMPLING ENDED AT: 1007
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	

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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	SITE LOCATION Rock Hill, SC	
WELL NO: P-2	SAMPLE ID:	DATE 4/20/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 12.2	PURGE PUMP TYPE Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: D Low-Flow D Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 1217	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP. (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ ODOR (describe)
1220			—	12.42	6.78	19.4	0.88	—	1.16	-50.6	—
1225			—	12.67	6.56	19.2	0.87	—	0.58	-63.1	—
1230			—	12.90	6.58	19.1	0.88	—	0.36	-69.1	—
1235			—	13.11	6.64	19.1	0.90	—	0.25	-77.6	—
1240			—	13.35	6.63	19.0	0.89	—	0.17	-81.5	—
1245			—	13.51	6.66	19.4	0.89	—	0.14	-86.2	—
1250			—	13.60	6.68	19.3	0.89	—	0.12	-89.9	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1255	SAMPLING ENDED AT:
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) FILTER SIZE: ____ mm Filtration Equipment Type:	
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 ANALYSES AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Philip Services Corporation	LOCATION: [illegible]
WELL NO: MW-3	SAMPLE ID: MW-3

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH: 119-184 (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 11.17	PURGE PUMP TYPE: Peristaltic

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) x WELL CAPACITY. PURGE METHOD: (Low Flow [LF] or Conventional [3 to 5 Well Volumes])

1 feet TOC - feet TOC) X 0.163 gallons/foot x gallons = 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl)	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl)	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons)

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP (°C)	SP. COND. (units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % Sat.	ORP (mV)	COLOR (describe)
1315	0	0	-	11.17	6.77	20.9	0.138	-	0.45	81	-
1320	0.25	0.25	-	13.41	6.52	20.8	0.136	-	0.29	7.2	-
1325	0.25	0.50	-	14.29	6.34	20.6	0.207	-	0.19	3.1	-
1330	0.25	0.75	-	14.50	6.05	20.5	0.234	-	0.20	0.2	-
1335	0.25	1.00	-	14.72	6.30	20.7	0.256	-	0.16	-3.7	-
1340	0.25	1.25	-	14.86	6.40	20.1	0.274	-	0.13	-9.9	-
1345	0.25	1.50	-	14.71	6.39	20.0	0.278	-	0.16	-13.1	-

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: PATRICK KANE /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1350	SAMPLING ENDED AT: 1355
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N)	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y N	TUBING Y N (replaced)	Filtration Equipment Type:	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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: < 10 NTUs or until stable, Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Frontier Phillip Services Corporation | SITE LOCATION: Pearlington, MS

WELL NO: W-1 | SAMPLE ID: W-1 | DATE: 4/21/21

PURGING DATA

WELL DIAMETER (inches): 4	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: 5 (feet TOC)	STATIC DEPTH TO WATER: 18.15 (feet TOC)	PURGE PUMP TYPE: Submersible (Masterflex)

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY | PURGE METHOD: 1) Low Flow 2) Traditional (3 Well Volume)

30 feet TOC = feet TOC X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP (°C)	SP. COND. (mS/cm or mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or %)	ORP (mV)	COLOR (describe)
0900 ~~0855~~	0	0		18.15	7.36	18.4	0.322	—	7.82	154.5	
0905	0.25	0.25		18.31	6.81	18.6	0326	—	7.04	150.5	
0910	0.25	0.50		18.41	6.96	18.6	0.325	—	6.35	156.9	
0915	0.25	0.75		18.51	6.87	18.5	0.326	—	6.22	161.3	
0920	0.25	1.00		18.56	6.82	18.8	0.326	—	6.19	163.9	

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 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: Noah Aucoin/CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0925	SAMPLING ENDED AT: 0930
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE:	FIELD-FILTERED: Y (N) FILTER SIZE ____ µm; Filtration Equipment Type:	
FIELD DECONTAMINATION: PUMP Y N	TUBING Y (N) (replaced)	DUPLICATE Y (N)	

SAMPLE ID CODE	CONTAINER SPECIFICATION # CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION (including wet ice) 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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold):
2. pH: ± 0.1 units; Specific Conductance: ± 5%, Turbidity: < 10 NTUs or until stable, Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: [illegible]	SITE LOCATION: [illegible]	
WELL NO: W-2	SAMPLE ID: W-2	DATE: 4/20/21

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH (feet TOC)	STATIC DEPTH TO WATER (feet TOC)	PURGE PUMP TYPE
			19.10	PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY — PURGE METHOD: X Low-Flow ☐ Traditional (3 Well Volumes)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl)	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl)	PURGING INITIATED AT	PURGING ENDED AT	TOTAL VOLUME PURGED (gallons)
		1440		

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units)	TEMP (°C)	SP. COND. (circle units) mmhos/cm or mS/cm	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	ORP (mV)	COLOR/ODOR (describe)
1445	1L	1L	—	19.35	6.38	17.5	0.497	—	3.52	235.9	—
1450	0.5L	1.5	—	19.55	6.35	17.1	0.495	—	3.51	235	—
1455	0.5L	2.0	—	19.7	6.40	17.2	0.494	—	3.07	196.1	—
1500	0.5L	2.5	—	20.0	6.42	17.0	0.494	—	2.80	166.7	—
1505	0.5L	3.0	—	20.23	6.49	17.4	0.494	—	2.80	151.5	—
1510	0.5L	3.5	—	20.6	6.46	17.1	0.493	—	2.63	149.2	—
1515	0.5L	4.0	—	20.71	6.43	17.2	0.490	—	2.67	150.2	—

WELL CAPACITY (Gallons Per Foot): [illegible]

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): [illegible]

PURGING EQUIPMENT CODES: [illegible]

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1510	SAMPLING ENDED AT: 1520

PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y N FILTER SIZE: ___ μm Filtration Equipment Type:
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: (Y) N D-2-2 [illegible]

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)

REMARKS/NOTES:

Field Instruments:

MATERIAL CODES: [illegible]

SAMPLING EQUIPMENT CODES: [illegible]

NOTES: 1. [illegible]
2. [illegible]

GROUNDWATER SAMPLING LOG

CDM Smith

SITE NAME: Former Phillip Services Corporation	SITE LOCATION Rock Hill, SC	
WELL NO: MW-4	SAMPLE ID: W-4	DATE: 04/20/21

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: (feet TOC)	STATIC DEPTH TO WATER (feet TOC): 6.12	PURGE PUMP TYPE: Submersible (Monsoon) PP

PURGE VOLUME: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY PURGE METHOD: X Low-Flow ☐ Traditional (3 Well Volume)

(feet TOC – feet TOC) X 0.163 gallons/foot = gallons X 3 =

INITIAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	FINAL PUMP OR TUBING DEPTH IN WELL (feet bgl):	PURGING INITIATED AT: 8:10	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (mL/min)	DEPTH TO WATER (feet TOC)	pH (standard units) 0.1	TEMP. (°C) 10%	SP. COND. (circle units) mmhos/cm or (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	ORP (mV)	COLOR/ ODOR (describe)
815	1L →		—	6.66	6.88	14.9	0.153	—	3.27	109	—
820	2L →		—	7.70	6.88	15.1	0.148	—	3.35	105.8	—
825	3L →		—	7.36	6.83	15.1	0.148	—	3.19	111.4	—
830	4L →		—	7.62	6.80	15.2	0.149	—	3.05	113.1	—

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 1.5" = 0.092; 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: /CDM Smith	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 830	SAMPLING ENDED AT: 835
PUMP OR TUBING DEPTH IN WELL (feet bgl):	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	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)
					NA				
					NA				
					NA				
					NA				
					NA				

REMARK/NOTES:

Field Instruments:

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. Stabilization criteria for range of variation of at least three consecutive readings (required parameters in bold).
2. pH: ± 0.1 units; Specific Conductance: ± 5%; Turbidity: ≤ 10 NTUs or until stable; Dissolved Oxygen: ± 0.2 mg/L or 10% saturation (whichever is greater)

Appendix B
Laboratory Reports

CDM Smith

Report of Analysis

CDM Smith
5400 Glenwood Avenue
Suite 400
Raleigh, NC 27612
Attention: Mathew Colone

Project Name: PSC -Rock Hill

Lot Number:**WD20061**

Date Completed:04/29/2021

05/03/2021 7:52 PM
Approved and released by:
Project Manager II: **Cathy S. Dover**

The electronic signature above is the equivalent of a handwritten signature.

Pace Analytical Services, LLC (*formerly Shealy Environmental Services, Inc.*)
106 Vantage Point Drive West Columbia, SC 29172
Tel: 803-791-9700 Fax: 803-791-9111 www.pacelabs.com

Case Narrative
CDM Smith
Lot Number: WD20061

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

VOA 8260D
Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 10% of analytes to recover marginally outside criteria. Vinyl chloride recovered marginally biased high outside LCS criteria (@ 134%) for batch 90499.

The MS for batch 90105 and parent sample WD20061-017 (BP-1A), recovered marginally biased low for trans,1,4-Dichloro-2-toluene and marginally biased high for vinyl chloride outside of control limits. The associated LCS and MSD passed all acceptance criteria.

If you have any questions regarding this report please contact the Pace Project Manager listed on the cover page.

Sample Summary
CDM Smith
Lot Number: WD20061
Project Name: PSC -Rock Hill
Project Number:

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	SW-1	Aqueous	04/20/2021 1040	04/20/2021
002	SW-2	Aqueous	04/20/2021 1210	04/20/2021
003	SW-3	Aqueous	04/20/2021 1100	04/20/2021
004	SW-4	Aqueous	04/20/2021 1115	04/20/2021
005	SW-5	Aqueous	04/20/2021 1135	04/20/2021
006	MW-120A	Aqueous	04/19/2021 1645	04/20/2021
007	MW-103	Aqueous	04/19/2021 1705	04/20/2021
008	W-4	Aqueous	04/20/2021 0830	04/20/2021
009	R1MW-24	Aqueous	04/20/2021 0930	04/20/2021
010	R1MW-23	Aqueous	04/20/2021 1025	04/20/2021
011	MW-101	Aqueous	04/20/2021 1115	04/20/2021
012	R1MW-13	Aqueous	04/20/2021 1315	04/20/2021
013	R1MW-29	Aqueous	04/20/2021 1143	04/20/2021
014	MW-114	Aqueous	04/20/2021 1105	04/20/2021
015	MW-113B	Aqueous	04/20/2021 1005	04/20/2021
016	MW-113A	Aqueous	04/20/2021 0935	04/20/2021
017	BP-1A	Aqueous	04/19/2021 0852	04/20/2021
018	MW-120B	Aqueous	04/19/2021 1620	04/20/2021
019	MW-121B	Aqueous	04/19/2021 1705	04/20/2021
020	MW-104	Aqueous	04/19/2021 1750	04/20/2021
021	DUP-1	Aqueous	04/20/2021 0800	04/20/2021
022	Trip Blank	Aqueous	04/20/2021 1040	04/20/2021
023	R1MW-11	Aqueous	04/20/2021 1230	04/20/2021

(23 samples)

Detection Summary

CDM Smith

Lot Number: WD20061

Project Name: PSC -Rock Hill

Project Number:

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
002	SW-2	Aqueous	cis-1,2-Dichloroethene	8260D	4.0		ug/L	8
003	SW-3	Aqueous	cis-1,2-Dichloroethene	8260D	2.6		ug/L	10
004	SW-4	Aqueous	cis-1,2-Dichloroethene	8260D	2.8		ug/L	12
005	SW-5	Aqueous	1,2-Dichloroethane	8260D	1.2		ug/L	14
005	SW-5	Aqueous	cis-1,2-Dichloroethene	8260D	3.0		ug/L	14
006	MW-120A	Aqueous	cis-1,2-Dichloroethene	8260D	25		ug/L	16
006	MW-120A	Aqueous	Tetrachloroethene	8260D	4.4		ug/L	16
006	MW-120A	Aqueous	Trichloroethene	8260D	3.2		ug/L	16
009	R1MW-24	Aqueous	1,1-Dichloroethene	8260D	20		ug/L	22
009	R1MW-24	Aqueous	cis-1,2-Dichloroethene	8260D	3700		ug/L	22
009	R1MW-24	Aqueous	trans-1,2-Dichloroethene	8260D	13		ug/L	22
009	R1MW-24	Aqueous	Tetrachloroethene	8260D	770		ug/L	22
009	R1MW-24	Aqueous	Trichloroethene	8260D	430		ug/L	22
010	R1MW-23	Aqueous	1,1-Dichloroethane	8260D	1.1		ug/L	24
010	R1MW-23	Aqueous	1,1-Dichloroethene	8260D	5.9		ug/L	24
010	R1MW-23	Aqueous	cis-1,2-Dichloroethene	8260D	150		ug/L	24
010	R1MW-23	Aqueous	Tetrachloroethene	8260D	32		ug/L	24
010	R1MW-23	Aqueous	Trichloroethene	8260D	84		ug/L	24
011	MW-101	Aqueous	cis-1,2-Dichloroethene	8260D	12		ug/L	26
011	MW-101	Aqueous	Trichloroethene	8260D	1.5		ug/L	26
013	R1MW-29	Aqueous	1,2-Dichloroethane	8260D	4.6		ug/L	30
013	R1MW-29	Aqueous	cis-1,2-Dichloroethene	8260D	1.8		ug/L	30
015	MW-113B	Aqueous	1,1-Dichloroethane	8260D	7.8		ug/L	34
015	MW-113B	Aqueous	1,2-Dichloroethane	8260D	19		ug/L	34
015	MW-113B	Aqueous	1,1-Dichloroethene	8260D	16		ug/L	34
015	MW-113B	Aqueous	cis-1,2-Dichloroethene	8260D	1000		ug/L	34
015	MW-113B	Aqueous	trans-1,2-Dichloroethene	8260D	2.5		ug/L	34
015	MW-113B	Aqueous	Tetrachloroethene	8260D	200		ug/L	34
015	MW-113B	Aqueous	Trichloroethene	8260D	200		ug/L	34
015	MW-113B	Aqueous	Vinyl chloride	8260D	13		ug/L	35
017	BP-1A	Aqueous	cis-1,2-Dichloroethene	8260D	740		ug/L	38
017	BP-1A	Aqueous	Trichloroethene	8260D	7.5		ug/L	38
017	BP-1A	Aqueous	Vinyl chloride	8260D	84	S	ug/L	39
018	MW-120B	Aqueous	cis-1,2-Dichloroethene	8260D	9.8		ug/L	40
018	MW-120B	Aqueous	Tetrachloroethene	8260D	4.6		ug/L	40
018	MW-120B	Aqueous	Trichloroethene	8260D	2.9		ug/L	40
021	DUP-1	Aqueous	1,2-Dichloroethane	8260D	3.8		ug/L	46
021	DUP-1	Aqueous	cis-1,2-Dichloroethene	8260D	1.6		ug/L	46
023	R1MW-11	Aqueous	1,1-Dichloroethane	8260D	7.4		ug/L	50
023	R1MW-11	Aqueous	cis-1,2-Dichloroethene	8260D	5.2		ug/L	50
023	R1MW-11	Aqueous	Tetrachloroethene	8260D	120		ug/L	50
023	R1MW-11	Aqueous	Trichloroethene	8260D	8.1		ug/L	50

Detection Summary (Continued)

Lot Number: WD20061

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page

(42 detections)

Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-001**

Description: **SW-1** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1040** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0130	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-001**

Description: **SW-1** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1040** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0130	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		113	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		102	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-002**

Description: **SW-2** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1210** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0155	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260D**	**4.0**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-002**

Description: **SW-2** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1210** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0155	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		114	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		102	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-003**

Description: **SW-3** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1100** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0220	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260D**	**2.6**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-003**

Description: **SW-3** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1100** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0220	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		112	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		102	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-004**

Description: **SW-4** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1115** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0245	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260D**	**2.8**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-004**

Description: **SW-4** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1115** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0245	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		96	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
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E = Quantitation of compound exceeded the calibration range
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-005**

Description: **SW-5** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1135** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0310	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260D**	**1.2**		**1.0**	**ug/L**	**1**
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260D**	**3.0**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-005**

Description: **SW-5** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1135** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0310	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		116	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		104	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-006**

Description: **MW-120A** Matrix: **Aqueous**

Date Sampled: **04/19/2021 1645** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0335	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260D**	**25**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	**127-18-4**	**8260D**	**4.4**		**1.0**	**ug/L**	**1**
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	**79-01-6**	**8260D**	**3.2**		**1.0**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-006**

Description: **MW-120A** Matrix: **Aqueous**

Date Sampled: **04/19/2021 1645** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0335	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		116	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		104	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-007**

Description: **MW-103** Matrix: **Aqueous**

Date Sampled: **04/19/2021 1705** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0400	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-007**

Description: **MW-103** Matrix: **Aqueous**

Date Sampled: **04/19/2021 1705** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0400	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		113	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		102	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-008**

Description: **W-4** Matrix: **Aqueous**

Date Sampled: **04/20/2021 0830** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0425	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-008**

Description: **W-4** Matrix: **Aqueous**

Date Sampled: **04/20/2021 0830** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0425	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		114	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		103	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-009**

Description: **R1MW-24** Matrix: **Aqueous**

Date Sampled: **04/20/2021 0930** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	10	04/24/2021 0924	DJG		90105
2	5030B	8260D	50	04/28/2021 1827	BWS		90499

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		200	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		200	ug/L	1
Benzene	71-43-2	8260D	ND		10	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		10	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		10	ug/L	1
Bromoform	75-25-2	8260D	ND		10	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		20	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		100	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		10	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		10	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		10	ug/L	1
Chloroethane	75-00-3	8260D	ND		20	ug/L	1
Chloroform	67-66-3	8260D	ND		10	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		10	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		10	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		10	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		10	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		10	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		20	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		10	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		10	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		10	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		10	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260D**	**20**		**10**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260D**	**3700**		**50**	**ug/L**	**2**
trans-1,2-Dichloroethene	**156-60-5**	**8260D**	**13**		**10**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260D	ND		10	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		10	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		10	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		10	ug/L	1
2-Hexanone	591-78-6	8260D	ND		100	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		100	ug/L	1
Methylene chloride	75-09-2	8260D	ND		10	ug/L	1
Styrene	100-42-5	8260D	ND		10	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		10	ug/L	1
Tetrachloroethene	**127-18-4**	**8260D**	**770**		**10**	**ug/L**	**1**
Toluene	108-88-3	8260D	ND		10	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		10	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		10	ug/L	1
Trichloroethene	**79-01-6**	**8260D**	**430**		**10**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260D	ND		10	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-009**

Description: **R1MW-24** Matrix: **Aqueous**

Date Sampled: **04/20/2021 0930** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	10	04/24/2021 0924	DJG		90105
2	5030B	8260D	50	04/28/2021 1827	BWS		90499

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		10	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		50	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		10	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		10	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		112	70-130		101	70-130
1,2-Dichloroethane-d4		97	70-130		86	70-130
Toluene-d8		101	70-130		94	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-010**

Description: **R1MW-23** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1025** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0450	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	**75-34-3**	**8260D**	**1.1**		**1.0**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	**75-35-4**	**8260D**	**5.9**		**1.0**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260D**	**150**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	**127-18-4**	**8260D**	**32**		**1.0**	**ug/L**	**1**
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	**79-01-6**	**8260D**	**84**		**1.0**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-010**

Description: **R1MW-23** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1025** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0450	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		111	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		101	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-011**

Description: **MW-101** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1115** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0515	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260D**	**12**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	**79-01-6**	**8260D**	**1.5**		**1.0**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
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B = Detected in the method blank
N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-011**

Description: **MW-101** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1115** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0515	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		114	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		102	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
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E = Quantitation of compound exceeded the calibration range
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-012**

Description: **R1MW-13** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1315** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0540	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-012**

Description: **R1MW-13** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1315** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0540	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		115	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		103	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
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N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-013**

Description: **R1MW-29** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1143** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0604	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260D**	**4.6**		**1.0**	**ug/L**	**1**
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260D**	**1.8**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-013**

Description: **R1MW-29** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1143** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0604	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		110	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		101	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-014**

Description: **MW-114** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1105** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0629	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-014**

Description: **MW-114** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1105** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0629	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		114	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		103	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-015**

Description: **MW-113B** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1005** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0654	DJG		90105
2	5030B	8260D	10	04/28/2021 1802	BWS		90499

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	**75-34-3**	**8260D**	**7.8**		**1.0**	**ug/L**	**1**
1,2-Dichloroethane	**107-06-2**	**8260D**	**19**		**1.0**	**ug/L**	**1**
1,1-Dichloroethene	**75-35-4**	**8260D**	**16**		**1.0**	**ug/L**	**1**
cis-1,2-Dichloroethene	**156-59-2**	**8260D**	**1000**		**10**	**ug/L**	**2**
trans-1,2-Dichloroethene	**156-60-5**	**8260D**	**2.5**		**1.0**	**ug/L**	**1**
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	**127-18-4**	**8260D**	**200**		**1.0**	**ug/L**	**1**
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	**79-01-6**	**8260D**	**200**		**1.0**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-015**

Description: **MW-113B** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1005** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0654	DJG		90105
2	5030B	8260D	10	04/28/2021 1802	BWS		90499

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	**75-01-4**	**8260D**	**13**		**1.0**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		112	70-130		108	70-130
1,2-Dichloroethane-d4		97	70-130		90	70-130
Toluene-d8		100	70-130		100	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-016**

Description: **MW-113A** Matrix: **Aqueous**

Date Sampled: **04/20/2021 0935** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0719	DJG		90105
2	5030B	8260D	1	04/28/2021 1033	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	2
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-016**

Description: **MW-113A** Matrix: **Aqueous**

Date Sampled: **04/20/2021 0935** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0719	DJG		90105
2	5030B	8260D	1	04/28/2021 1033	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		113	70-130		106	70-130
1,2-Dichloroethane-d4		100	70-130		111	70-130
Toluene-d8		103	70-130		107	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-017**

Description: **BP-1A** Matrix: **Aqueous**

Date Sampled: **04/19/2021 0852** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	5	04/24/2021 0859	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		100	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		100	ug/L	1
Benzene	71-43-2	8260D	ND		5.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		5.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		5.0	ug/L	1
Bromoform	75-25-2	8260D	ND		5.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		10	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		50	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		5.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		10	ug/L	1
Chloroform	67-66-3	8260D	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		5.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		5.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		5.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		5.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND	S	10	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		5.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		5.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		5.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		5.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		5.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260D**	**740**		**5.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260D	ND		5.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		5.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		5.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		5.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		50	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		25	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		50	ug/L	1
Methylene chloride	75-09-2	8260D	ND		5.0	ug/L	1
Styrene	100-42-5	8260D	ND		5.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		5.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		5.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		5.0	ug/L	1
Toluene	108-88-3	8260D	ND		5.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		5.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		5.0	ug/L	1
Trichloroethene	**79-01-6**	**8260D**	**7.5**		**5.0**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260D	ND		5.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		5.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-017**

Description: **BP-1A** Matrix: **Aqueous**

Date Sampled: **04/19/2021 0852** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	5	04/24/2021 0859	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		25	ug/L	1
Vinyl chloride	**75-01-4**	**8260D**	**84**	**S**	**5.0**	**ug/L**	**1**
Xylenes (total)	1330-20-7	8260D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		110	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		100	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-018**

Description: **MW-120B** Matrix: **Aqueous**

Date Sampled: **04/19/2021 1620** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0744	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260D**	**9.8**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	**127-18-4**	**8260D**	**4.6**		**1.0**	**ug/L**	**1**
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	**79-01-6**	**8260D**	**2.9**		**1.0**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-018**

Description: **MW-120B** Matrix: **Aqueous**

Date Sampled: **04/19/2021 1620** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0744	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		110	70-130
1,2-Dichloroethane-d4		96	70-130
Toluene-d8		99	70-130

LOQ = Limit of Quantitation
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-019**

Description: **MW-121B** Matrix: **Aqueous**

Date Sampled: **04/19/2021 1705** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0809	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-019**

Description: **MW-121B** Matrix: **Aqueous**

Date Sampled: **04/19/2021 1705** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0809	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		98	70-130

LOQ = Limit of Quantitation
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-020**

Description: **MW-104** Matrix: **Aqueous**

Date Sampled: **04/19/2021 1750** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0834	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-020**

Description: **MW-104** Matrix: **Aqueous**

Date Sampled: **04/19/2021 1750** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/24/2021 0834	DJG		90105

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		114	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		101	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-021**

Description: **DUP-1** Matrix: **Aqueous**

Date Sampled: **04/20/2021 0800** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1647	BWS		90499

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	**107-06-2**	**8260D**	**3.8**		**1.0**	**ug/L**	**1**
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260D**	**1.6**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-021**

Description: **DUP-1** Matrix: **Aqueous**

Date Sampled: **04/20/2021 0800** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1647	BWS		90499

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND	L	1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		87	70-130
Toluene-d8		96	70-130

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	Q = Surrogate failure
ND = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis		S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-022**

Description: **Trip Blank** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1040** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1058	BWS		90499

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-022**

Description: **Trip Blank** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1040** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1058	BWS		90499

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND	L	1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		99	70-130

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	Q = Surrogate failure
ND = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis		S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-023**

Description: **R1MW-11** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1230** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1712	BWS		90499

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	**75-34-3**	**8260D**	**7.4**		**1.0**	**ug/L**	**1**
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	**156-59-2**	**8260D**	**5.2**		**1.0**	**ug/L**	**1**
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	**127-18-4**	**8260D**	**120**		**1.0**	**ug/L**	**1**
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	**79-01-6**	**8260D**	**8.1**		**1.0**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: **CDM Smith** Laboratory ID: **WD20061-023**

Description: **R1MW-11** Matrix: **Aqueous**

Date Sampled: **04/20/2021 1230** Project Name: **PSC -Rock Hill**

Date Received: **04/20/2021** Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1712	BWS		90499

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND	L	1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		98	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ90105-001
Batch: 90105
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	04/24/2021 0036
Acrylonitrile	ND		1	20	ug/L	04/24/2021 0036
Benzene	ND		1	1.0	ug/L	04/24/2021 0036
Bromochloromethane	ND		1	1.0	ug/L	04/24/2021 0036
Bromodichloromethane	ND		1	1.0	ug/L	04/24/2021 0036
Bromoform	ND		1	1.0	ug/L	04/24/2021 0036
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	04/24/2021 0036
2-Butanone (MEK)	ND		1	10	ug/L	04/24/2021 0036
Carbon disulfide	ND		1	1.0	ug/L	04/24/2021 0036
Carbon tetrachloride	ND		1	1.0	ug/L	04/24/2021 0036
Chlorobenzene	ND		1	1.0	ug/L	04/24/2021 0036
Chloroethane	ND		1	2.0	ug/L	04/24/2021 0036
Chloroform	ND		1	1.0	ug/L	04/24/2021 0036
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	04/24/2021 0036
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	04/24/2021 0036
Dibromochloromethane	ND		1	1.0	ug/L	04/24/2021 0036
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	04/24/2021 0036
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	04/24/2021 0036
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	04/24/2021 0036
1,2-Dichlorobenzene	ND		1	1.0	ug/L	04/24/2021 0036
1,4-Dichlorobenzene	ND		1	1.0	ug/L	04/24/2021 0036
1,1-Dichloroethane	ND		1	1.0	ug/L	04/24/2021 0036
1,2-Dichloroethane	ND		1	1.0	ug/L	04/24/2021 0036
1,1-Dichloroethene	ND		1	1.0	ug/L	04/24/2021 0036
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	04/24/2021 0036
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	04/24/2021 0036
1,2-Dichloropropane	ND		1	1.0	ug/L	04/24/2021 0036
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	04/24/2021 0036
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	04/24/2021 0036
Ethylbenzene	ND		1	1.0	ug/L	04/24/2021 0036
2-Hexanone	ND		1	10	ug/L	04/24/2021 0036
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	04/24/2021 0036
4-Methyl-2-pentanone	ND		1	10	ug/L	04/24/2021 0036
Methylene chloride	ND		1	1.0	ug/L	04/24/2021 0036
Styrene	ND		1	1.0	ug/L	04/24/2021 0036
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	04/24/2021 0036
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	04/24/2021 0036
Tetrachloroethene	ND		1	1.0	ug/L	04/24/2021 0036
Toluene	ND		1	1.0	ug/L	04/24/2021 0036
1,1,1-Trichloroethane	ND		1	1.0	ug/L	04/24/2021 0036
1,1,2-Trichloroethane	ND		1	1.0	ug/L	04/24/2021 0036
Trichloroethene	ND		1	1.0	ug/L	04/24/2021 0036
Trichlorofluoromethane	ND		1	1.0	ug/L	04/24/2021 0036
1,2,3-Trichloropropane	ND		1	1.0	ug/L	04/24/2021 0036

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
* = RSD is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ90105-001
Batch: 90105
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Vinyl acetate	ND		1	5.0	ug/L	04/24/2021 0036
Vinyl chloride	ND		1	1.0	ug/L	04/24/2021 0036
Xylenes (total)	ND		1	1.0	ug/L	04/24/2021 0036

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		100	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
* = RSD is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ90105-002
Batch: 90105
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	94		1	94	60-140	04/23/2021 2346
Acrylonitrile	100	100		1	102	70-130	04/23/2021 2346
Benzene	50	51		1	103	70-130	04/23/2021 2346
Bromochloromethane	50	50		1	101	70-130	04/23/2021 2346
Bromodichloromethane	50	51		1	102	70-130	04/23/2021 2346
Bromoform	50	50		1	100	70-130	04/23/2021 2346
Bromomethane (Methyl bromide)	50	55		1	110	70-130	04/23/2021 2346
2-Butanone (MEK)	100	95		1	95	70-130	04/23/2021 2346
Carbon disulfide	50	51		1	102	70-130	04/23/2021 2346
Carbon tetrachloride	50	50		1	99	70-130	04/23/2021 2346
Chlorobenzene	50	52		1	104	70-130	04/23/2021 2346
Chloroethane	50	58		1	116	70-130	04/23/2021 2346
Chloroform	50	49		1	97	70-130	04/23/2021 2346
Chloromethane (Methyl chloride)	50	52		1	104	60-140	04/23/2021 2346
1,2-Dibromo-3-chloropropane (DBCP)	50	45		1	89	70-130	04/23/2021 2346
Dibromochloromethane	50	50		1	100	70-130	04/23/2021 2346
1,2-Dibromoethane (EDB)	50	50		1	100	70-130	04/23/2021 2346
Dibromomethane (Methylene bromide)	50	52		1	104	70-130	04/23/2021 2346
trans-1,4-Dichloro-2-butene	50	49		1	98	70-130	04/23/2021 2346
1,2-Dichlorobenzene	50	52		1	103	70-130	04/23/2021 2346
1,4-Dichlorobenzene	50	50		1	101	70-130	04/23/2021 2346
1,1-Dichloroethane	50	50		1	100	70-130	04/23/2021 2346
1,2-Dichloroethane	50	50		1	99	70-130	04/23/2021 2346
1,1-Dichloroethene	50	50		1	99	70-130	04/23/2021 2346
cis-1,2-Dichloroethene	50	52		1	104	70-130	04/23/2021 2346
trans-1,2-Dichloroethene	50	52		1	105	70-130	04/23/2021 2346
1,2-Dichloropropane	50	51		1	101	70-130	04/23/2021 2346
cis-1,3-Dichloropropene	50	51		1	102	70-130	04/23/2021 2346
trans-1,3-Dichloropropene	50	50		1	99	70-130	04/23/2021 2346
Ethylbenzene	50	51		1	101	70-130	04/23/2021 2346
2-Hexanone	100	100		1	100	70-130	04/23/2021 2346
Methyl iodide (Iodomethane)	50	54		1	108	70-130	04/23/2021 2346
4-Methyl-2-pentanone	100	100		1	102	70-130	04/23/2021 2346
Methylene chloride	50	51		1	102	70-130	04/23/2021 2346
Styrene	50	52		1	104	70-130	04/23/2021 2346
1,1,1,2-Tetrachloroethane	50	51		1	102	70-130	04/23/2021 2346
1,1,2,2-Tetrachloroethane	50	49		1	98	70-130	04/23/2021 2346
Tetrachloroethene	50	51		1	102	70-130	04/23/2021 2346
Toluene	50	49		1	99	70-130	04/23/2021 2346
1,1,1-Trichloroethane	50	50		1	100	70-130	04/23/2021 2346
1,1,2-Trichloroethane	50	51		1	101	70-130	04/23/2021 2346
Trichloroethene	50	51		1	103	70-130	04/23/2021 2346
Trichlorofluoromethane	50	53		1	106	70-130	04/23/2021 2346
1,2,3-Trichloropropane	50	48		1	97	70-130	04/23/2021 2346

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
* = RSD is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ90105-002
Batch: 90105
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl acetate	50	53		1	107	60-140	04/23/2021 2346
Vinyl chloride	50	58		1	117	70-130	04/23/2021 2346
Xylenes (total)	100	100		1	102	70-130	04/23/2021 2346

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		99	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: WD20061-017MS
Batch: 90105
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	ND	500	450		5	90	60-140	04/24/2021 0949
Acrylonitrile	ND	500	500		5	99	70-122	04/24/2021 0949
Benzene	ND	250	270		5	106	70-130	04/24/2021 0949
Bromochloromethane	ND	250	250		5	101	70-130	04/24/2021 0949
Bromodichloromethane	ND	250	250		5	98	70-130	04/24/2021 0949
Bromoform	ND	250	220		5	90	70-130	04/24/2021 0949
Bromomethane (Methyl bromide)	ND	250	290		5	118	70-130	04/24/2021 0949
2-Butanone (MEK)	ND	500	510		5	103	70-130	04/24/2021 0949
Carbon disulfide	ND	250	260		5	106	70-130	04/24/2021 0949
Carbon tetrachloride	ND	250	270		5	107	70-130	04/24/2021 0949
Chlorobenzene	ND	250	270		5	105	70-130	04/24/2021 0949
Chloroethane	ND	250	280		5	112	70-130	04/24/2021 0949
Chloroform	ND	250	250		5	98	70-130	04/24/2021 0949
Chloromethane (Methyl chloride)	ND	250	290		5	117	60-140	04/24/2021 0949
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	200		5	82	70-130	04/24/2021 0949
Dibromochloromethane	ND	250	240		5	95	70-130	04/24/2021 0949
1,2-Dibromoethane (EDB)	ND	250	240		5	98	70-130	04/24/2021 0949
Dibromomethane (Methylene bromide)	ND	250	250		5	101	70-130	04/24/2021 0949
trans-1,4-Dichloro-2-butene	ND	250	160	N	5	66	70-130	04/24/2021 0949
1,2-Dichlorobenzene	ND	250	260		5	103	70-130	04/24/2021 0949
1,4-Dichlorobenzene	ND	250	250		5	100	70-130	04/24/2021 0949
1,1-Dichloroethane	ND	250	250		5	101	70-130	04/24/2021 0949
1,2-Dichloroethane	ND	250	240		5	98	70-130	04/24/2021 0949
1,1-Dichloroethene	ND	250	270		5	108	70-130	04/24/2021 0949
cis-1,2-Dichloroethene	740	250	990		5	100	70-130	04/24/2021 0949
trans-1,2-Dichloroethene	ND	250	270		5	109	70-130	04/24/2021 0949
1,2-Dichloropropane	ND	250	250		5	101	70-130	04/24/2021 0949
cis-1,3-Dichloropropene	ND	250	240		5	95	70-130	04/24/2021 0949
trans-1,3-Dichloropropene	ND	250	230		5	91	70-130	04/24/2021 0949
Ethylbenzene	ND	250	260		5	104	70-130	04/24/2021 0949
2-Hexanone	ND	500	490		5	98	70-130	04/24/2021 0949
Methyl iodide (Iodomethane)	ND	250	270		5	106	70-130	04/24/2021 0949
4-Methyl-2-pentanone	ND	500	490		5	98	70-130	04/24/2021 0949
Methylene chloride	ND	250	260		5	102	70-130	04/24/2021 0949
Styrene	ND	250	260		5	104	70-130	04/24/2021 0949
1,1,1,2-Tetrachloroethane	ND	250	250		5	100	70-130	04/24/2021 0949
1,1,2,2-Tetrachloroethane	ND	250	240		5	97	70-130	04/24/2021 0949
Tetrachloroethene	ND	250	280		5	109	70-130	04/24/2021 0949
Toluene	ND	250	250		5	101	70-130	04/24/2021 0949
1,1,1-Trichloroethane	ND	250	260		5	105	70-130	04/24/2021 0949
1,1,2-Trichloroethane	ND	250	250		5	100	70-130	04/24/2021 0949
Trichloroethene	7.5	250	280		5	107	70-130	04/24/2021 0949
Trichlorofluoromethane	ND	250	290		5	117	70-130	04/24/2021 0949
1,2,3-Trichloropropane	ND	250	240		5	95	70-130	04/24/2021 0949

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: WD20061-017MS
Batch: 90105
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl acetate	ND	250	250		5	99	60-140	04/24/2021 0949
Vinyl chloride	84	250	440	N	5	141	70-130	04/24/2021 0949
Xylenes (total)	ND	500	520		5	104	70-130	04/24/2021 0949

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		99	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		99	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

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+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: WD20061-017MD
Batch: 90105
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	500	430		5	86	4.2	60-140	20	04/24/2021 1013
Acrylonitrile	ND	500	480		5	96	3.2	70-122	20	04/24/2021 1013
Benzene	ND	250	260		5	105	1.5	70-130	20	04/24/2021 1013
Bromochloromethane	ND	250	240		5	97	3.7	70-130	20	04/24/2021 1013
Bromodichloromethane	ND	250	240		5	97	1.4	70-130	20	04/24/2021 1013
Bromoform	ND	250	220		5	89	1.2	70-130	20	04/24/2021 1013
Bromomethane (Methyl bromide)	ND	250	280		5	113	4.4	70-130	20	04/24/2021 1013
2-Butanone (MEK)	ND	500	510		5	102	1.0	70-130	20	04/24/2021 1013
Carbon disulfide	ND	250	260		5	104	1.6	70-130	20	04/24/2021 1013
Carbon tetrachloride	ND	250	260		5	105	2.1	70-130	20	04/24/2021 1013
Chlorobenzene	ND	250	260		5	103	1.8	70-130	20	04/24/2021 1013
Chloroethane	ND	250	270		5	108	3.5	70-130	20	04/24/2021 1013
Chloroform	ND	250	240		5	95	2.8	70-130	20	04/24/2021 1013
Chloromethane (Methyl chloride)	ND	250	280		5	112	4.4	60-140	20	04/24/2021 1013
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	210		5	82	0.98	70-130	20	04/24/2021 1013
Dibromochloromethane	ND	250	230		5	94	1.3	70-130	20	04/24/2021 1013
1,2-Dibromoethane (EDB)	ND	250	240		5	96	1.8	70-130	20	04/24/2021 1013
Dibromomethane (Methylene bromide)	ND	250	250		5	100	1.2	70-130	20	04/24/2021 1013
trans-1,4-Dichloro-2-butene	ND	250	180		5	70	7.0	70-130	20	04/24/2021 1013
1,2-Dichlorobenzene	ND	250	250		5	102	1.7	70-130	20	04/24/2021 1013
1,4-Dichlorobenzene	ND	250	250		5	99	1.3	70-130	20	04/24/2021 1013
1,1-Dichloroethane	ND	250	250		5	99	2.2	70-130	20	04/24/2021 1013
1,2-Dichloroethane	ND	250	240		5	96	2.0	70-130	20	04/24/2021 1013
1,1-Dichloroethene	ND	250	270		5	107	1.3	70-130	20	04/24/2021 1013
cis-1,2-Dichloroethene	740	250	970		5	93	1.7	70-130	20	04/24/2021 1013
trans-1,2-Dichloroethene	ND	250	270		5	105	3.0	70-130	20	04/24/2021 1013
1,2-Dichloropropane	ND	250	250		5	99	2.3	70-130	20	04/24/2021 1013
cis-1,3-Dichloropropene	ND	250	240		5	94	0.14	70-130	20	04/24/2021 1013
trans-1,3-Dichloropropene	ND	250	220		5	90	1.2	70-130	20	04/24/2021 1013
Ethylbenzene	ND	250	260		5	103	0.92	70-130	20	04/24/2021 1013
2-Hexanone	ND	500	490		5	98	0.48	70-130	20	04/24/2021 1013
Methyl iodide (Iodomethane)	ND	250	260		5	105	1.1	70-130	20	04/24/2021 1013
4-Methyl-2-pentanone	ND	500	490		5	99	0.44	70-130	20	04/24/2021 1013
Methylene chloride	ND	250	250		5	99	3.6	70-130	20	04/24/2021 1013
Styrene	ND	250	260		5	103	1.0	70-130	20	04/24/2021 1013
1,1,1,2-Tetrachloroethane	ND	250	250		5	98	1.4	70-130	20	04/24/2021 1013
1,1,2,2-Tetrachloroethane	ND	250	240		5	97	0.19	70-130	20	04/24/2021 1013
Tetrachloroethene	ND	250	270		5	105	4.1	70-130	20	04/24/2021 1013
Toluene	ND	250	250		5	100	1.7	70-130	20	04/24/2021 1013
1,1,1-Trichloroethane	ND	250	250		5	102	3.3	70-130	20	04/24/2021 1013
1,1,2-Trichloroethane	ND	250	250		5	98	2.0	70-130	20	04/24/2021 1013
Trichloroethene	7.5	250	270		5	105	1.7	70-130	20	04/24/2021 1013
Trichlorofluoromethane	ND	250	290		5	115	2.4	70-130	20	04/24/2021 1013
1,2,3-Trichloropropane	ND	250	240		5	94	0.95	70-130	20	04/24/2021 1013

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

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P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Volatile Organic Compounds by GC/MS - MSD

Sample ID: WD20061-017MD
Batch: 90105
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Vinyl acetate	ND	250	240		5	95	4.1	60-140	20	04/24/2021 1013
Vinyl chloride	84	250	420	N	5	133	4.7	70-130	20	04/24/2021 1013
Xylenes (total)	ND	500	510		5	102	1.3	70-130	20	04/24/2021 1013

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		100	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ90465-001
Batch: 90465
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 0949

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		108	70-130
Toluene-d8		106	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ90465-002
Batch: 90465
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
cis-1,2-Dichloroethene	50	50		1	99	70-130	04/28/2021 0837

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		108	70-130
Toluene-d8		104	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ90499-001
Batch: 90499
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	04/28/2021 0954
Acrylonitrile	ND		1	20	ug/L	04/28/2021 0954
Benzene	ND		1	1.0	ug/L	04/28/2021 0954
Bromochloromethane	ND		1	1.0	ug/L	04/28/2021 0954
Bromodichloromethane	ND		1	1.0	ug/L	04/28/2021 0954
Bromoform	ND		1	1.0	ug/L	04/28/2021 0954
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	04/28/2021 0954
2-Butanone (MEK)	ND		1	10	ug/L	04/28/2021 0954
Carbon disulfide	ND		1	1.0	ug/L	04/28/2021 0954
Carbon tetrachloride	ND		1	1.0	ug/L	04/28/2021 0954
Chlorobenzene	ND		1	1.0	ug/L	04/28/2021 0954
Chloroethane	ND		1	2.0	ug/L	04/28/2021 0954
Chloroform	ND		1	1.0	ug/L	04/28/2021 0954
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	04/28/2021 0954
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	04/28/2021 0954
Dibromochloromethane	ND		1	1.0	ug/L	04/28/2021 0954
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	04/28/2021 0954
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	04/28/2021 0954
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	04/28/2021 0954
1,2-Dichlorobenzene	ND		1	1.0	ug/L	04/28/2021 0954
1,4-Dichlorobenzene	ND		1	1.0	ug/L	04/28/2021 0954
1,1-Dichloroethane	ND		1	1.0	ug/L	04/28/2021 0954
1,2-Dichloroethane	ND		1	1.0	ug/L	04/28/2021 0954
1,1-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 0954
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 0954
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 0954
1,2-Dichloropropane	ND		1	1.0	ug/L	04/28/2021 0954
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	04/28/2021 0954
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	04/28/2021 0954
Ethylbenzene	ND		1	1.0	ug/L	04/28/2021 0954
2-Hexanone	ND		1	10	ug/L	04/28/2021 0954
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	04/28/2021 0954
4-Methyl-2-pentanone	ND		1	10	ug/L	04/28/2021 0954
Methylene chloride	ND		1	1.0	ug/L	04/28/2021 0954
Styrene	ND		1	1.0	ug/L	04/28/2021 0954
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	04/28/2021 0954
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	04/28/2021 0954
Tetrachloroethene	ND		1	1.0	ug/L	04/28/2021 0954
Toluene	ND		1	1.0	ug/L	04/28/2021 0954
1,1,1-Trichloroethane	ND		1	1.0	ug/L	04/28/2021 0954
1,1,2-Trichloroethane	ND		1	1.0	ug/L	04/28/2021 0954
Trichloroethene	ND		1	1.0	ug/L	04/28/2021 0954
Trichlorofluoromethane	ND		1	1.0	ug/L	04/28/2021 0954
1,2,3-Trichloropropane	ND		1	1.0	ug/L	04/28/2021 0954

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
* = RSD is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ90499-001
Batch: 90499
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Vinyl acetate	ND		1	5.0	ug/L	04/28/2021 0954
Vinyl chloride	ND		1	1.0	ug/L	04/28/2021 0954
Xylenes (total)	ND		1	1.0	ug/L	04/28/2021 0954

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		99	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
N = Recovery is out of criteria
P = The RPD between two GC columns exceeds 40%
* = RSD is out of criteria
+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ90499-002
Batch: 90499
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	110		1	106	60-140	04/28/2021 0852
Acrylonitrile	100	100		1	102	70-130	04/28/2021 0852
Benzene	50	50		1	99	70-130	04/28/2021 0852
Bromochloromethane	50	50		1	100	70-130	04/28/2021 0852
Bromodichloromethane	50	45		1	90	70-130	04/28/2021 0852
Bromoform	50	43		1	86	70-130	04/28/2021 0852
Bromomethane (Methyl bromide)	50	64		1	128	70-130	04/28/2021 0852
2-Butanone (MEK)	100	100		1	100	70-130	04/28/2021 0852
Carbon disulfide	50	46		1	92	70-130	04/28/2021 0852
Carbon tetrachloride	50	47		1	94	70-130	04/28/2021 0852
Chlorobenzene	50	50		1	100	70-130	04/28/2021 0852
Chloroethane	50	56		1	112	70-130	04/28/2021 0852
Chloroform	50	46		1	93	70-130	04/28/2021 0852
Chloromethane (Methyl chloride)	50	58		1	115	60-140	04/28/2021 0852
1,2-Dibromo-3-chloropropane (DBCP)	50	38		1	76	70-130	04/28/2021 0852
Dibromochloromethane	50	46		1	91	70-130	04/28/2021 0852
1,2-Dibromoethane (EDB)	50	48		1	96	70-130	04/28/2021 0852
Dibromomethane (Methylene bromide)	50	50		1	99	70-130	04/28/2021 0852
trans-1,4-Dichloro-2-butene	50	39		1	78	70-130	04/28/2021 0852
1,2-Dichlorobenzene	50	50		1	100	70-130	04/28/2021 0852
1,4-Dichlorobenzene	50	49		1	98	70-130	04/28/2021 0852
1,1-Dichloroethane	50	47		1	93	70-130	04/28/2021 0852
1,2-Dichloroethane	50	46		1	92	70-130	04/28/2021 0852
1,1-Dichloroethene	50	49		1	99	70-130	04/28/2021 0852
cis-1,2-Dichloroethene	50	50		1	101	70-130	04/28/2021 0852
trans-1,2-Dichloroethene	50	51		1	102	70-130	04/28/2021 0852
1,2-Dichloropropane	50	47		1	95	70-130	04/28/2021 0852
cis-1,3-Dichloropropene	50	45		1	89	70-130	04/28/2021 0852
trans-1,3-Dichloropropene	50	43		1	85	70-130	04/28/2021 0852
Ethylbenzene	50	48		1	97	70-130	04/28/2021 0852
2-Hexanone	100	89		1	89	70-130	04/28/2021 0852
Methyl iodide (Iodomethane)	50	51		1	101	70-130	04/28/2021 0852
4-Methyl-2-pentanone	100	89		1	89	70-130	04/28/2021 0852
Methylene chloride	50	50		1	100	70-130	04/28/2021 0852
Styrene	50	49		1	98	70-130	04/28/2021 0852
1,1,1,2-Tetrachloroethane	50	47		1	93	70-130	04/28/2021 0852
1,1,2,2-Tetrachloroethane	50	48		1	95	70-130	04/28/2021 0852
Tetrachloroethene	50	51		1	103	70-130	04/28/2021 0852
Toluene	50	49		1	97	70-130	04/28/2021 0852
1,1,1-Trichloroethane	50	46		1	93	70-130	04/28/2021 0852
1,1,2-Trichloroethane	50	49		1	98	70-130	04/28/2021 0852
Trichloroethene	50	50		1	101	70-130	04/28/2021 0852
Trichlorofluoromethane	50	51		1	103	70-130	04/28/2021 0852
1,2,3-Trichloropropane	50	47		1	95	70-130	04/28/2021 0852

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ90499-002
Batch: 90499
Analytical Method: 8260D
Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl acetate	50	47		1	95	60-140	04/28/2021 0852
Vinyl chloride	50	67	N	1	134	70-130	04/28/2021 0852
Xylenes (total)	100	96		1	96	70-130	04/28/2021 0852

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		92	70-130
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		96	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody
and
Miscellaneous Documents

PACE ANALYTICAL SERVICES, LLC
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.pacelabs.com

Number 119731

Client	Report to Contact	Telephone No. / E-mail	Quote No.
CDM Smith Inc	Matthew Colone	919-325-3561 / colonemf@cdmsmith.com	
Address: 5400 Glenwood Ave Suite 400	Sampler's Signature: Daniel Forbes	Analysis (Attach list if more space is needed)	Page 1 of 3
City: Raleigh / State: NC / Zip Code: 27612	Printed Name: Daniel Forbes		
Project Name: PSC			

Project No.	P.O. No.			Matrix				No. of Containers by Preservative Type								8260-VOC										WD20061 CSD
Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	Grab/Composite	Aqueous	Solid	Non-Aqueous		Diesel	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Zinc Acetate	Field Filtered											Remarks / Cooler I.D.
SW-1	4-20-21	1040	G	✓							3					✓										
SW-2	4-20-21	1210	G	✓							3					✓										
SW-3	4-20-21	1100	G	✓							3					✓										
SW-4	4-20-21	1115	G	✓							3					✓										
SW-5	4-20-21	1135	G	✓							3					✓										
MW-120A	4-19-21	1645	G	✓							✓3					✓										
MW-103	4-19-21	1705	G	✓							✓3					✓										
W-4	4-20-21	0830	G	✓							✓3					✓										
RIMW-24	4-20-21	0930	G	✓							✓3					✓										
RIMW-23	4-20-21	1025	G	✓							✓3					✓										

Turn Around Time Required (Prior lab approval required for expedited TAT.)	Sample Disposal	Possible Hazard Identification	QC Requirements (Specify)
☒ Standard ☐ Rush (Specify)	☐ Return to Client ☒ Disposal by Lab	☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown	

	Date	Time		Date	Time
1. Relinquished by	4/20/21	1736	1. Received by: Mark Kaltschnee	4/20/21	1736
2. Relinquished by: Mark Kaltschnee	4/20/21	1507	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory received by	4/22/21	1507

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on ice (Circle) (Yes) No Ice Pack — Receipt Temp 1.8 °C — Temp Blank ☒ Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: MS003N2-01

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106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.pacelabs.com

Number 119730

Client	Report to Contact	Telephone No. / E-mail	Quote No.
CDM SMITH INC			
Address 5400 GLENWOOD AVE SUITE 400	**Sampler's Signature** X	**Analysis (Attach list if more space is needed)**	Page 2 of 3
City RALEIGH **State** NC **Zip Code** 27612	**Printed Name** PATRICK KANE		Lot # Bar Code WD20061
Project Name PSC			CEO
Project No.	**P.O. No.**		Remarks / Cooler I.D.

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	Sample Type (G=Grab C=Composite)	Matrix: Air/Water, Solid, Wipe/Swab	No. of Containers by Preservative Type: Unpres., H2SO4, HNO3, HCl, NaOH, Na2S2O3, Other	8260B-VOCs								
MW-101	4-20-21	115	G		3	✓								
RIMW-13	4-20-21	1315	G		3	✓								
RIMW-24	4-20-21	1145	G		3	✓								
MW-114	4-20-21	1105	G		3	✓								
MW-113B	4-20-21	1005	G		3	✓								
MW-113A	4-20-21	0935	G		3	✓								
BP-1A	4-20-21	0852	G		3	✓								
MW-120B	4-19-21	1620	G		3	✓								
MW-121B	4-19-21	1705	G		3	✓								
MW-104	4-19-21	1750	G		3	✓								

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☑ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by	4/20/21	1730	1. Received by Mark Kaltschnee	4/20/21	1730
2. Relinquished by Mark Kaltschnee	4/20/21	1507	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory received by Jerry Goodwin	Date 4/21/21	Time 1507

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY Received on Ice (Circle) Yes No Ice Pack Receipt Temp. 1.6 °C Temp Blank ☑ Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: ME033N2-91

PACE ANALYTICAL SERVICES, LLC

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Telephone No. 803-791-9700 Fax No. 803-791-9111
www.pacelabs.com

Number 119729

Client	Report to Contact	Telephone No. / E-mail	Quote No.
CDM SMITH			
Address: 5406 GLENWOOD AVE SUITE 400	Sampler's Signature: X	Analysis (Attach list if more space is needed)	Page 3 of 3
City: RALEIGH / State: NC / Zip Code: 27612	Printed Name: PATRICK KANE		WD20061
Project Name: PSC			CAD
Project No.	P.O. No.		Remarks / Cooler I.D.

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	# Grab Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	NaOH XS	Other (Specify)	8260 - VOCs	Sample Pickup							
DUP-1	4-20-21	0900	G							3				✓	X							
TRIP BLANK	—	—	T							3				✓								
TEMP BLANK	—	—																				

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☑ Standard ☐ Rush (Specify)

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by	4/20/21	1730	1. Received by	4/20/21	1730
2. Relinquished by	4/21/21	1507	2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by	4/21/21	1507

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) Yes No Ice Pack — Receipt Temp 1.8 °C — Temp Blank ☑ Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: ME003N2-01

Pace Analytical

Samples Receipt Checklist (SRC) (ME0018C-15)
Issuing Authority: Pace ENV - WCOL

Revised:9/29/2020
Page 1 of 1

Sample Receipt Checklist (SRC)

Client: CDM Smith Cooler Inspected by/date: JRG2 / 04/20/2021 Lot #: WD26061

Means of receipt: ☑ Pace ☐ Client ☐ UPS ☐ FedEx ☐ Other:

☐ Yes	☑ No		1. Were custody seals present on the cooler?
☐ Yes	☐ No	☑ NA	2. If custody seals were present, were they intact and unbroken?

pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA

Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: NA

1.8 / 1.8 °C NA / NA °C NA / NA °C NA / NA °C

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Ice Packs ☐ Dry Ice ☐ None

☐ Yes	☐ No	☑ NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
☐ Yes	☐ No	☑ NA	4. Is the commercial courier's packing slip attached to this form?
☑ Yes	☐ No		5. Were proper custody procedures (relinquished/received) followed?
☑ Yes	☐ No		6. Were sample IDs listed on the COC?
☑ Yes	☐ No		7. Were sample IDs listed on all sample containers?
☑ Yes	☐ No		8. Was collection date & time listed on the COC?
☑ Yes	☐ No		9. Was collection date & time listed on all sample containers?
☑ Yes	☐ No		10. Did all container label information (ID, date, time) agree with the COC?
☑ Yes	☐ No		11. Were tests to be performed listed on the COC?
☑ Yes	☐ No		12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
☑ Yes	☐ No		13. Was adequate sample volume available?
☑ Yes	☐ No		14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
☑ Yes	☐ No		15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
☐ Yes	☑ No	☐ NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (¼"or 6mm in diameter) in any of the VOA vials?
☐ Yes	☐ No	☑ NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
☐ Yes	☐ No	☑ NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
☐ Yes	☐ No	☑ NA	19. Were all applicable NH_3/TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?
☐ Yes	☐ No	☑ NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
☐ Yes	☑ No		21. Was the quote number listed on the container label? If yes, Quote #

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA.

Time of preservation NA. If more than one preservative is needed, please note in the comments below.

Sample(s) NA were received with bubbles >6 mm in diameter.

Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is *no*) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Shealy ID: Na.

SR barcode labels applied by: JRG2 Date: 04/20/2021

Comments: Excess 3 40ml Vials for R1MW-11 4/20/2021 @ 1210

Report of Analysis

CDM Smith
5400 Glenwood Avenue
Suite 400
Raleigh, NC 27612
Attention: Mathew Colone

Project Name: PSC-Rock Hill

Lot Number:**WD21096**

Date Completed:05/04/2021

05/11/2021 2:32 AM
Approved and released by:
Project Manager II: **Cathy S. Dover**

Pace Analytical Services, LLC (*formerly Shealy Environmental Services, Inc.*)
106 Vantage Point Drive West Columbia, SC 29172
Tel: 803-791-9700 Fax: 803-791-9111 www.pacelabs.com

Case Narrative
CDM Smith
Lot Number: WD21096

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Pace Project Manager listed on the cover page.

Sample Summary

CDM Smith

Lot Number: WD21096

Project Name: PSC-Rock Hill

Project Number:

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	MW-111	Aqueous	04/20/2021 1425	04/21/2021
002	Trip Blank	Aqueous	04/20/2021	04/21/2021
003	OB-110A	Aqueous	04/21/2021 1240	04/21/2021
004	MW-118	Aqueous	04/21/2021 1235	04/21/2021
005	P-3	Aqueous	04/21/2021 1350	04/21/2021
006	R1MW-19	Aqueous	04/21/2021 1425	04/21/2021
007	MW-123A	Aqueous	04/21/2021 1422	04/21/2021
008	MW-119	Aqueous	04/21/2021 1340	04/21/2021
009	Dup-3	Aqueous	04/21/2021 1110	04/21/2021
010	OB-110B	Aqueous	04/21/2021 1140	04/21/2021
011	Dup-4	Aqueous	04/21/2021 1140	04/21/2021
012	R1MW-3	Aqueous	04/21/2021 1010	04/21/2021
013	W-1	Aqueous	04/21/2021 0925	04/21/2021
014	MW-122B	Aqueous	04/21/2021 0830	04/21/2021
015	MW-112	Aqueous	04/20/2021 1255	04/21/2021
016	R1MW-9	Aqueous	04/20/2021 1650	04/21/2021
017	R1MW-10	Aqueous	04/20/2021 1610	04/21/2021
018	R1MW-14	Aqueous	04/20/2021 1530	04/21/2021
019	R1MW-11	Aqueous	04/20/2021 1230	
020	MW-102	Aqueous	04/20/2021 1315	04/21/2021
021	R1MW-12	Aqueous	04/20/2021 1405	04/21/2021
022	W-2	Aqueous	04/20/2021 1520	04/21/2021
023	Dup-2	Aqueous	04/20/2021 1520	04/21/2021
024	MW-105	Aqueous	04/20/2021 1555	04/21/2021
025	R1MW-18	Aqueous	04/20/2021 1705	04/21/2021
026	MW-115B	Aqueous	04/21/2021 0915	04/21/2021
027	P-1	Aqueous	04/21/2021 1005	04/21/2021
028	R1MW-26	Aqueous	04/21/2021 1110	04/21/2021

(28 samples)

Detection Summary

CDM Smith

Lot Number: WD21096

Project Name: PSC-Rock Hill

Project Number:

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	MW-111	Aqueous	1,2-Dichloroethane	8260D	1.3		ug/L	6
001	MW-111	Aqueous	cis-1,2-Dichloroethene	8260D	4.5		ug/L	6
003	OB-110A	Aqueous	Benzene	8260D	2.1		ug/L	10
003	OB-110A	Aqueous	Chlorobenzene	8260D	60		ug/L	10
003	OB-110A	Aqueous	Chloroethane	8260D	170		ug/L	10
003	OB-110A	Aqueous	1,2-Dichlorobenzene	8260D	2.0		ug/L	10
003	OB-110A	Aqueous	1,1-Dichloroethane	8260D	69		ug/L	10
003	OB-110A	Aqueous	1,2-Dichloroethane	8260D	7.0		ug/L	10
003	OB-110A	Aqueous	1,1-Dichloroethene	8260D	4.9		ug/L	10
003	OB-110A	Aqueous	cis-1,2-Dichloroethene	8260D	1.9		ug/L	10
003	OB-110A	Aqueous	Methylene chloride	8260D	2.1		ug/L	10
003	OB-110A	Aqueous	Trichloroethene	8260D	1.8		ug/L	10
003	OB-110A	Aqueous	Vinyl chloride	8260D	3.0		ug/L	11
003	OB-110A	Aqueous	Xylenes (total)	8260D	1.5		ug/L	11
004	MW-118	Aqueous	Benzene	8260D	4.7		ug/L	12
004	MW-118	Aqueous	Chlorobenzene	8260D	43		ug/L	12
004	MW-118	Aqueous	Toluene	8260D	1.1		ug/L	12
005	P-3	Aqueous	Chlorobenzene	8260D	5.8		ug/L	14
005	P-3	Aqueous	Chloroform	8260D	1.4		ug/L	14
005	P-3	Aqueous	1,1-Dichloroethane	8260D	8.5		ug/L	14
005	P-3	Aqueous	1,2-Dichloroethane	8260D	560		ug/L	14
005	P-3	Aqueous	1,1-Dichloroethene	8260D	8.9		ug/L	14
005	P-3	Aqueous	cis-1,2-Dichloroethene	8260D	100		ug/L	14
005	P-3	Aqueous	Methylene chloride	8260D	1.3		ug/L	14
005	P-3	Aqueous	Tetrachloroethene	8260D	23		ug/L	14
005	P-3	Aqueous	Trichloroethene	8260D	28		ug/L	14
005	P-3	Aqueous	Vinyl chloride	8260D	1.5		ug/L	15
006	R1MW-19	Aqueous	Chloroform	8260D	3.5		ug/L	16
006	R1MW-19	Aqueous	1,1-Dichloroethane	8260D	4.2		ug/L	16
006	R1MW-19	Aqueous	1,1-Dichloroethene	8260D	8.2		ug/L	16
006	R1MW-19	Aqueous	cis-1,2-Dichloroethene	8260D	36		ug/L	16
006	R1MW-19	Aqueous	Tetrachloroethene	8260D	39		ug/L	16
006	R1MW-19	Aqueous	Trichloroethene	8260D	15		ug/L	16
006	R1MW-19	Aqueous	Trichlorofluoromethane	8260D	1.3		ug/L	16
007	MW-123A	Aqueous	Chlorobenzene	8260D	1700		ug/L	18
007	MW-123A	Aqueous	1,2-Dichlorobenzene	8260D	2100		ug/L	18
007	MW-123A	Aqueous	1,4-Dichlorobenzene	8260D	550		ug/L	18
010	OB-110B	Aqueous	1,1-Dichloroethane	8260D	1.3		ug/L	24
010	OB-110B	Aqueous	1,2-Dichloroethane	8260D	3.1		ug/L	24
010	OB-110B	Aqueous	cis-1,2-Dichloroethene	8260D	1.3		ug/L	24
011	Dup-4	Aqueous	1,1-Dichloroethane	8260D	1.3		ug/L	26
011	Dup-4	Aqueous	1,2-Dichloroethane	8260D	3.0		ug/L	26
011	Dup-4	Aqueous	cis-1,2-Dichloroethene	8260D	1.2		ug/L	26

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
012	R1MW-3	Aqueous	Chloroethane	8260D	6.1		ug/L	28
012	R1MW-3	Aqueous	1,2-Dichlorobenzene	8260D	1.1		ug/L	28
012	R1MW-3	Aqueous	1,1-Dichloroethane	8260D	18		ug/L	28
012	R1MW-3	Aqueous	1,2-Dichloroethane	8260D	1500		ug/L	28
012	R1MW-3	Aqueous	1,1-Dichloroethene	8260D	69		ug/L	28
012	R1MW-3	Aqueous	cis-1,2-Dichloroethene	8260D	170		ug/L	28
012	R1MW-3	Aqueous	Tetrachloroethene	8260D	60		ug/L	28
012	R1MW-3	Aqueous	1,1,1-Trichloroethane	8260D	2.9		ug/L	28
012	R1MW-3	Aqueous	Trichloroethene	8260D	27		ug/L	28
012	R1MW-3	Aqueous	Vinyl chloride	8260D	1.8		ug/L	29
013	W-1	Aqueous	Tetrachloroethene	8260D	94		ug/L	30
016	R1MW-9	Aqueous	Tetrachloroethene	8260D	1.4		ug/L	36
017	R1MW-10	Aqueous	Benzene	8260D	2.3		ug/L	38
017	R1MW-10	Aqueous	Chlorobenzene	8260D	5.1		ug/L	38
017	R1MW-10	Aqueous	Chloroethane	8260D	6.3		ug/L	38
017	R1MW-10	Aqueous	Chloroform	8260D	32		ug/L	38
017	R1MW-10	Aqueous	1,2-Dichlorobenzene	8260D	12		ug/L	38
017	R1MW-10	Aqueous	1,4-Dichlorobenzene	8260D	3.7		ug/L	38
017	R1MW-10	Aqueous	1,2-Dichloroethane	8260D	3500		ug/L	38
017	R1MW-10	Aqueous	1,1-Dichloroethene	8260D	2.0		ug/L	38
017	R1MW-10	Aqueous	cis-1,2-Dichloroethene	8260D	590		ug/L	38
017	R1MW-10	Aqueous	Methylene chloride	8260D	4.5		ug/L	38
017	R1MW-10	Aqueous	Tetrachloroethene	8260D	64		ug/L	38
017	R1MW-10	Aqueous	Trichloroethene	8260D	110		ug/L	38
017	R1MW-10	Aqueous	Xylenes (total)	8260D	4.2		ug/L	39
026	MW-115B	Aqueous	1,2-Dichloroethane	8260D	170		ug/L	54
026	MW-115B	Aqueous	1,1-Dichloroethene	8260D	24		ug/L	54
026	MW-115B	Aqueous	cis-1,2-Dichloroethene	8260D	2200		ug/L	54
026	MW-115B	Aqueous	trans-1,2-Dichloroethene	8260D	30		ug/L	54
026	MW-115B	Aqueous	Tetrachloroethene	8260D	20		ug/L	54
026	MW-115B	Aqueous	Vinyl chloride	8260D	33		ug/L	55

(74 detections)

Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-001
Description: MW-111 | Matrix: Aqueous
Date Sampled: 04/20/2021 1425 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1120	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	1.3		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	4.5		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-001
Description: MW-111 | Matrix: Aqueous
Date Sampled: 04/20/2021 1425 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1120	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		110	70-130
1,2-Dichloroethane-d4		110	70-130
Toluene-d8		108	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
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Volatile Organic Compounds by GC/MS

Client: CDM Smith		Laboratory ID: WD21096-002	
Description: Trip Blank		Matrix: Aqueous	
Date Sampled: 04/20/2021	Project Name: PSC-Rock Hill		
Date Received: 04/21/2021	Project Number:		

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/30/2021 1141	TML		90801

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	Q = Surrogate failure
ND = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis		S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-002
Description: Trip Blank | Matrix: Aqueous
Date Sampled: 04/20/2021 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/30/2021 1141	TML		90801

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		117	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-003
Description: OB-110A | Matrix: Aqueous
Date Sampled: 04/21/2021 1240 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1144	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	2.1		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	60		1.0	ug/L	1
Chloroethane	75-00-3	8260D	170		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	2.0		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	69		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	7.0		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	4.9		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	1.9		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	2.1		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	1.8		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-003
Description: OB-110A | Matrix: Aqueous
Date Sampled: 04/21/2021 1240 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1144	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	3.0		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	1.5		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		111	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-004
Description: MW-118 | Matrix: Aqueous
Date Sampled: 04/21/2021 1235 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1208	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	4.7		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	43		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	1.1		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith			Laboratory ID: WD21096-004
Description: MW-118			Matrix: Aqueous
Date Sampled: 04/21/2021 1235	Project Name: PSC-Rock Hill		
Date Received: 04/21/2021	Project Number:		

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1208	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		109	70-130

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	Q = Surrogate failure
ND = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis		S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-005
Description: P-3 | Matrix: Aqueous
Date Sampled: 04/21/2021 1350 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1232	TML		90465
2	5030B	8260D	10	04/30/2021 1340	TML		90801

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	5.8		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	1.4		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	8.5		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	560		10	ug/L	2
1,1-Dichloroethene	75-35-4	8260D	8.9		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	100		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	1.3		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	23		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	28		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-005
Description: P-3 | Matrix: Aqueous
Date Sampled: 04/21/2021 1350 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1232	TML		90465
2	5030B	8260D	10	04/30/2021 1340	TML		90801

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	1.5		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		105	70-130		108	70-130
1,2-Dichloroethane-d4		108	70-130		104	70-130
Toluene-d8		108	70-130		108	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-006
Description: R1MW-19 | Matrix: Aqueous
Date Sampled: 04/21/2021 1425 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1255	TML		90465
2	5030B	8260D	1	04/30/2021 1205	TML		90801

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	3.5		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	4.2		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	2
1,1-Dichloroethene	75-35-4	8260D	8.2		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	36		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	39		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	15		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	1.3		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-006
Description: R1MW-19 | Matrix: Aqueous
Date Sampled: 04/21/2021 1425 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1255	TML		90465
2	5030B	8260D	1	04/30/2021 1205	TML		90801

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		106	70-130		107	70-130
1,2-Dichloroethane-d4		109	70-130		106	70-130
Toluene-d8		109	70-130		109	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-007
Description: MW-123A | Matrix: Aqueous
Date Sampled: 04/21/2021 1422 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	10	04/28/2021 1716	TML		90465
2	5030B	8260D	20	04/30/2021 1404	TML		90801

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		200	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		200	ug/L	1
Benzene	71-43-2	8260D	ND		10	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		10	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		10	ug/L	1
Bromoform	75-25-2	8260D	ND		10	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		20	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		100	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		10	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		10	ug/L	1
Chlorobenzene	108-90-7	8260D	1700		10	ug/L	1
Chloroethane	75-00-3	8260D	ND		20	ug/L	1
Chloroform	67-66-3	8260D	ND		10	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		10	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		10	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		10	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		10	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		10	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		20	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	2100		20	ug/L	2
1,4-Dichlorobenzene	106-46-7	8260D	550		10	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		10	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		10	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		10	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		10	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		10	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		10	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		10	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		10	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		10	ug/L	1
2-Hexanone	591-78-6	8260D	ND		100	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		50	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		100	ug/L	1
Methylene chloride	75-09-2	8260D	ND		10	ug/L	1
Styrene	100-42-5	8260D	ND		10	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		10	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		10	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		10	ug/L	1
Toluene	108-88-3	8260D	ND		10	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		10	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		10	ug/L	1
Trichloroethene	79-01-6	8260D	ND		10	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		10	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith
Laboratory ID: WD21096-007
Description: MW-123A
Matrix: Aqueous
Date Sampled: 04/21/2021 1422
Project Name: PSC-Rock Hill
Date Received: 04/21/2021
Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	10	04/28/2021 1716	TML		90465
2	5030B	8260D	20	04/30/2021 1404	TML		90801

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		10	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		50	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		10	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		10	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		102	70-130		115	70-130
1,2-Dichloroethane-d4		102	70-130		108	70-130
Toluene-d8		111	70-130		106	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-008
Description: MW-119 | Matrix: Aqueous
Date Sampled: 04/21/2021 1340 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1319	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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Volatile Organic Compounds by GC/MS

Client: CDM Smith			Laboratory ID: WD21096-008
Description: MW-119			Matrix: Aqueous
Date Sampled: 04/21/2021 1340	Project Name: PSC-Rock Hill		
Date Received: 04/21/2021	Project Number:		

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1319	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		111	70-130

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	Q = Surrogate failure
ND = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis		S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-009
Description: Dup-3 | Matrix: Aqueous
Date Sampled: 04/21/2021 1110 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1343	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
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E = Quantitation of compound exceeded the calibration range
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-009
Description: Dup-3 | Matrix: Aqueous
Date Sampled: 04/21/2021 1110 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1343	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		108	70-130
Toluene-d8		109	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-010
Description: OB-110B | Matrix: Aqueous
Date Sampled: 04/21/2021 1140 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1406	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	1.3		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	3.1		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	1.3		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-010
Description: OB-110B | Matrix: Aqueous
Date Sampled: 04/21/2021 1140 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1406	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		110	70-130
Toluene-d8		110	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-011
Description: Dup-4 | Matrix: Aqueous
Date Sampled: 04/21/2021 1140 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1430	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	1.3		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	3.0		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	1.2		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-011
Description: Dup-4 | Matrix: Aqueous
Date Sampled: 04/21/2021 1140 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1430	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		110	70-130
Toluene-d8		108	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-012
Description: R1MW-3 | Matrix: Aqueous
Date Sampled: 04/21/2021 1010 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1453	TML		90465
2	5030B	8260D	20	04/30/2021 1427	TML		90801

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	6.1		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	1.1		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	18		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	1500		20	ug/L	2
1,1-Dichloroethene	75-35-4	8260D	69		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	170		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	60		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	2.9		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	27		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-012
Description: R1MW-3 | Matrix: Aqueous
Date Sampled: 04/21/2021 1010 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1453	TML		90465
2	5030B	8260D	20	04/30/2021 1427	TML		90801

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	1.8		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		105	70-130		112	70-130
1,2-Dichloroethane-d4		109	70-130		117	70-130
Toluene-d8		108	70-130		102	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-013
Description: W-1 | Matrix: Aqueous
Date Sampled: 04/21/2021 0925 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1517	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	94		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-013
Description: W-1 | Matrix: Aqueous
Date Sampled: 04/21/2021 0925 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1517	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		106	70-130
Toluene-d8		106	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-014
Description: MW-122B | Matrix: Aqueous
Date Sampled: 04/21/2021 0830 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1541	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-014
Description: MW-122B | Matrix: Aqueous
Date Sampled: 04/21/2021 0830 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1541	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		109	70-130
Toluene-d8		107	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-015
Description: MW-112 | Matrix: Aqueous
Date Sampled: 04/20/2021 1255 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1605	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
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S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-015
Description: MW-112 | Matrix: Aqueous
Date Sampled: 04/20/2021 1255 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1605	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		109	70-130
Toluene-d8		108	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-016
Description: R1MW-9 | Matrix: Aqueous
Date Sampled: 04/20/2021 1650 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1629	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	1.4		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-016
Description: R1MW-9 | Matrix: Aqueous
Date Sampled: 04/20/2021 1650 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/28/2021 1629	TML		90465

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		109	70-130
Toluene-d8		107	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-017
Description: R1MW-10 | Matrix: Aqueous
Date Sampled: 04/20/2021 1610 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0510	DJG		90572
2	5030B	8260D	50	05/04/2021 1117	CJL2		91038

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	2.3		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	5.1		1.0	ug/L	1
Chloroethane	75-00-3	8260D	6.3		2.0	ug/L	1
Chloroform	67-66-3	8260D	32		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	12		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	3.7		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	3500		50	ug/L	2
1,1-Dichloroethene	75-35-4	8260D	2.0		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	590		50	ug/L	2
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	4.5		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	64		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	110		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: CDM Smith
Laboratory ID: WD21096-017
Description: R1MW-10
Matrix: Aqueous
Date Sampled: 04/20/2021 1610
Project Name: PSC-Rock Hill
Date Received: 04/21/2021
Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0510	DJG		90572
2	5030B	8260D	50	05/04/2021 1117	CJL2		91038

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		50	ug/L	2
Xylenes (total)	1330-20-7	8260D	4.2		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		107	70-130		102	70-130
1,2-Dichloroethane-d4		108	70-130		104	70-130
Toluene-d8		101	70-130		110	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-018
Description: R1MW-14 | Matrix: Aqueous
Date Sampled: 04/20/2021 1530 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0534	DJG		90572
2	5030B	8260D	1	04/30/2021 1229	TML		90801

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	2
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-018
Description: R1MW-14 | Matrix: Aqueous
Date Sampled: 04/20/2021 1530 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0534	DJG		90572
2	5030B	8260D	1	04/30/2021 1229	TML		90801

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		105	70-130		106	70-130
1,2-Dichloroethane-d4		110	70-130		106	70-130
Toluene-d8		110	70-130		108	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-020
Description: MW-102 | Matrix: Aqueous
Date Sampled: 04/20/2021 1315 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0557	DJG		90572

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-020
Description: MW-102 | Matrix: Aqueous
Date Sampled: 04/20/2021 1315 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0557	DJG		90572

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		114	70-130
Toluene-d8		111	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-021
Description: R1MW-12 | Matrix: Aqueous
Date Sampled: 04/20/2021 1405 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0621	DJG		90572

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-021
Description: R1MW-12 | Matrix: Aqueous
Date Sampled: 04/20/2021 1405 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0621	DJG		90572

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		112	70-130
Toluene-d8		110	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-022
Description: W-2 | Matrix: Aqueous
Date Sampled: 04/20/2021 1520 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0645	DJG		90572

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-022
Description: W-2 | Matrix: Aqueous
Date Sampled: 04/20/2021 1520 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0645	DJG		90572

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		112	70-130
Toluene-d8		113	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-023
Description: Dup-2 | Matrix: Aqueous
Date Sampled: 04/20/2021 1520 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0709	DJG		90572

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-023
Description: Dup-2 | Matrix: Aqueous
Date Sampled: 04/20/2021 1520 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0709	DJG		90572

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		109	70-130
Toluene-d8		110	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-024
Description: MW-105 | Matrix: Aqueous
Date Sampled: 04/20/2021 1555 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0017	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-024
Description: MW-105 | Matrix: Aqueous
Date Sampled: 04/20/2021 1555 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0017	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		98	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
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S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-025
Description: R1MW-18 | Matrix: Aqueous
Date Sampled: 04/20/2021 1705 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0042	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-025
Description: R1MW-18 | Matrix: Aqueous
Date Sampled: 04/20/2021 1705 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0042	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		98	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-026
Description: MW-115B | Matrix: Aqueous
Date Sampled: 04/21/2021 0915 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	20	04/29/2021 0540	DJG		90577
2	5030B	8260D	20	05/04/2021 1027	CJL2		91038

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		400	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		400	ug/L	1
Benzene	71-43-2	8260D	ND		20	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		20	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		20	ug/L	1
Bromoform	75-25-2	8260D	ND		20	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		40	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		200	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		20	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		20	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		20	ug/L	1
Chloroethane	75-00-3	8260D	ND		40	ug/L	1
Chloroform	67-66-3	8260D	ND		20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		20	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		20	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		20	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		20	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		20	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		40	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		20	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		20	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		20	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	170		20	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	24		20	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	2200		20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	30		20	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		20	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		20	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		20	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		20	ug/L	1
2-Hexanone	591-78-6	8260D	ND		200	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		100	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		200	ug/L	1
Methylene chloride	75-09-2	8260D	ND		20	ug/L	1
Styrene	100-42-5	8260D	ND		20	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		20	ug/L	1
Tetrachloroethene	127-18-4	8260D	20		20	ug/L	1
Toluene	108-88-3	8260D	ND		20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		20	ug/L	1
Trichloroethene	79-01-6	8260D	ND		20	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		20	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
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S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-026
Description: MW-115B | Matrix: Aqueous
Date Sampled: 04/21/2021 0915 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	20	04/29/2021 0540	DJG		90577
2	5030B	8260D	20	05/04/2021 1027	CJL2		91038

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		20	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		100	ug/L	1
Vinyl chloride	75-01-4	8260D	33		20	ug/L	2
Xylenes (total)	1330-20-7	8260D	ND		20	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		108	70-130		95	70-130
1,2-Dichloroethane-d4		92	70-130		101	70-130
Toluene-d8		98	70-130		106	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-027
Description: P-1 | Matrix: Aqueous
Date Sampled: 04/21/2021 1005 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0107	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
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B = Detected in the method blank
N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-027
Description: P-1 | Matrix: Aqueous
Date Sampled: 04/21/2021 1005 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0107	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		97	70-130

LOQ = Limit of Quantitation
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-028
Description: R1MW-26 | Matrix: Aqueous
Date Sampled: 04/21/2021 1110 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0132	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
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W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD21096-028
Description: R1MW-26 | Matrix: Aqueous
Date Sampled: 04/21/2021 1110 | Project Name: PSC-Rock Hill
Date Received: 04/21/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0132	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		92	70-130
Toluene-d8		100	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ90465-001
Batch: 90465
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	04/28/2021 0949
Acrylonitrile	ND		1	20	ug/L	04/28/2021 0949
Benzene	ND		1	1.0	ug/L	04/28/2021 0949
Bromochloromethane	ND		1	1.0	ug/L	04/28/2021 0949
Bromodichloromethane	ND		1	1.0	ug/L	04/28/2021 0949
Bromoform	ND		1	1.0	ug/L	04/28/2021 0949
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	04/28/2021 0949
2-Butanone (MEK)	ND		1	10	ug/L	04/28/2021 0949
Carbon disulfide	ND		1	1.0	ug/L	04/28/2021 0949
Carbon tetrachloride	ND		1	1.0	ug/L	04/28/2021 0949
Chlorobenzene	ND		1	1.0	ug/L	04/28/2021 0949
Chloroethane	ND		1	2.0	ug/L	04/28/2021 0949
Chloroform	ND		1	1.0	ug/L	04/28/2021 0949
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	04/28/2021 0949
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	04/28/2021 0949
Dibromochloromethane	ND		1	1.0	ug/L	04/28/2021 0949
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	04/28/2021 0949
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	04/28/2021 0949
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	04/28/2021 0949
1,2-Dichlorobenzene	ND		1	1.0	ug/L	04/28/2021 0949
1,4-Dichlorobenzene	ND		1	1.0	ug/L	04/28/2021 0949
1,1-Dichloroethane	ND		1	1.0	ug/L	04/28/2021 0949
1,2-Dichloroethane	ND		1	1.0	ug/L	04/28/2021 0949
1,1-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 0949
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 0949
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 0949
1,2-Dichloropropane	ND		1	1.0	ug/L	04/28/2021 0949
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	04/28/2021 0949
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	04/28/2021 0949
Ethylbenzene	ND		1	1.0	ug/L	04/28/2021 0949
2-Hexanone	ND		1	10	ug/L	04/28/2021 0949
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	04/28/2021 0949
4-Methyl-2-pentanone	ND		1	10	ug/L	04/28/2021 0949
Methylene chloride	ND		1	1.0	ug/L	04/28/2021 0949
Styrene	ND		1	1.0	ug/L	04/28/2021 0949
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	04/28/2021 0949
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	04/28/2021 0949
Tetrachloroethene	ND		1	1.0	ug/L	04/28/2021 0949
Toluene	ND		1	1.0	ug/L	04/28/2021 0949
1,1,1-Trichloroethane	ND		1	1.0	ug/L	04/28/2021 0949
1,1,2-Trichloroethane	ND		1	1.0	ug/L	04/28/2021 0949
Trichloroethene	ND		1	1.0	ug/L	04/28/2021 0949
Trichlorofluoromethane	ND		1	1.0	ug/L	04/28/2021 0949
1,2,3-Trichloropropane	ND		1	1.0	ug/L	04/28/2021 0949

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ90465-001
Batch: 90465
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Vinyl acetate	ND		1	5.0	ug/L	04/28/2021 0949
Vinyl chloride	ND		1	1.0	ug/L	04/28/2021 0949
Xylenes (total)	ND		1	1.0	ug/L	04/28/2021 0949

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		108	70-130
Toluene-d8		106	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ90465-002
Batch: 90465
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	89		1	89	60-140	04/28/2021 0837
Acrylonitrile	100	110		1	108	70-130	04/28/2021 0837
Benzene	50	50		1	100	70-130	04/28/2021 0837
Bromochloromethane	50	48		1	96	70-130	04/28/2021 0837
Bromodichloromethane	50	51		1	102	70-130	04/28/2021 0837
Bromoform	50	50		1	100	70-130	04/28/2021 0837
Bromomethane (Methyl bromide)	50	42		1	85	70-130	04/28/2021 0837
2-Butanone (MEK)	100	92		1	92	70-130	04/28/2021 0837
Carbon disulfide	50	54		1	107	70-130	04/28/2021 0837
Carbon tetrachloride	50	50		1	101	70-130	04/28/2021 0837
Chlorobenzene	50	49		1	97	70-130	04/28/2021 0837
Chloroethane	50	47		1	94	70-130	04/28/2021 0837
Chloroform	50	49		1	99	70-130	04/28/2021 0837
Chloromethane (Methyl chloride)	50	44		1	88	60-140	04/28/2021 0837
1,2-Dibromo-3-chloropropane (DBCP)	50	49		1	98	70-130	04/28/2021 0837
Dibromochloromethane	50	50		1	100	70-130	04/28/2021 0837
1,2-Dibromoethane (EDB)	50	49		1	98	70-130	04/28/2021 0837
Dibromomethane (Methylene bromide)	50	49		1	97	70-130	04/28/2021 0837
trans-1,4-Dichloro-2-butene	50	48		1	97	70-130	04/28/2021 0837
1,2-Dichlorobenzene	50	46		1	93	70-130	04/28/2021 0837
1,4-Dichlorobenzene	50	47		1	95	70-130	04/28/2021 0837
1,1-Dichloroethane	50	53		1	106	70-130	04/28/2021 0837
1,2-Dichloroethane	50	50		1	101	70-130	04/28/2021 0837
1,1-Dichloroethene	50	49		1	97	70-130	04/28/2021 0837
cis-1,2-Dichloroethene	50	50		1	99	70-130	04/28/2021 0837
trans-1,2-Dichloroethene	50	50		1	100	70-130	04/28/2021 0837
1,2-Dichloropropane	50	51		1	102	70-130	04/28/2021 0837
cis-1,3-Dichloropropene	50	54		1	108	70-130	04/28/2021 0837
trans-1,3-Dichloropropene	50	55		1	110	70-130	04/28/2021 0837
Ethylbenzene	50	50		1	100	70-130	04/28/2021 0837
2-Hexanone	100	110		1	107	70-130	04/28/2021 0837
Methyl iodide (Iodomethane)	50	47		1	95	70-130	04/28/2021 0837
4-Methyl-2-pentanone	100	110		1	108	70-130	04/28/2021 0837
Methylene chloride	50	48		1	96	70-130	04/28/2021 0837
Styrene	50	52		1	104	70-130	04/28/2021 0837
1,1,1,2-Tetrachloroethane	50	49		1	99	70-130	04/28/2021 0837
1,1,2,2-Tetrachloroethane	50	48		1	96	70-130	04/28/2021 0837
Tetrachloroethene	50	50		1	101	70-130	04/28/2021 0837
Toluene	50	50		1	101	70-130	04/28/2021 0837
1,1,1-Trichloroethane	50	51		1	102	70-130	04/28/2021 0837
1,1,2-Trichloroethane	50	49		1	97	70-130	04/28/2021 0837
Trichloroethene	50	50		1	99	70-130	04/28/2021 0837
Trichlorofluoromethane	50	51		1	103	70-130	04/28/2021 0837
1,2,3-Trichloropropane	50	46		1	93	70-130	04/28/2021 0837

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ90465-002
Batch: 90465
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl acetate	50	50		1	101	60-140	04/28/2021 0837
Vinyl chloride	50	42		1	84	70-130	04/28/2021 0837
Xylenes (total)	100	100		1	101	70-130	04/28/2021 0837

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		108	70-130
Toluene-d8		104	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: WD21096-007MS
Batch: 90465
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	ND	1000	920		10	92	60-140	04/28/2021 1827
Acrylonitrile	ND	1000	1100		10	106	70-122	04/28/2021 1827
Benzene	ND	500	530		10	105	70-130	04/28/2021 1827
Bromochloromethane	ND	500	480		10	97	70-130	04/28/2021 1827
Bromodichloromethane	ND	500	530		10	106	70-130	04/28/2021 1827
Bromoform	ND	500	500		10	99	70-130	04/28/2021 1827
Bromomethane (Methyl bromide)	ND	500	430		10	86	70-130	04/28/2021 1827
2-Butanone (MEK)	ND	1000	960		10	96	70-130	04/28/2021 1827
Carbon disulfide	ND	500	550		10	111	70-130	04/28/2021 1827
Carbon tetrachloride	ND	500	540		10	109	70-130	04/28/2021 1827
Chlorobenzene	1700	500	2200	E	10	85	70-130	04/28/2021 1827
Chloroethane	ND	500	550		10	109	70-130	04/28/2021 1827
Chloroform	ND	500	520		10	103	70-130	04/28/2021 1827
Chloromethane (Methyl chloride)	ND	500	430		10	86	60-140	04/28/2021 1827
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	460		10	92	70-130	04/28/2021 1827
Dibromochloromethane	ND	500	510		10	101	70-130	04/28/2021 1827
1,2-Dibromoethane (EDB)	ND	500	490		10	99	70-130	04/28/2021 1827
Dibromomethane (Methylene bromide)	ND	500	490		10	97	70-130	04/28/2021 1827
trans-1,4-Dichloro-2-butene	ND	500	460		10	92	70-130	04/28/2021 1827
1,2-Dichlorobenzene	2200	500	2400	N	10	41	70-130	04/28/2021 1827
1,4-Dichlorobenzene	550	500	990		10	89	70-130	04/28/2021 1827
1,1-Dichloroethane	ND	500	550		10	111	70-130	04/28/2021 1827
1,2-Dichloroethane	ND	500	510		10	103	70-130	04/28/2021 1827
1,1-Dichloroethene	ND	500	520		10	104	70-130	04/28/2021 1827
cis-1,2-Dichloroethene	ND	500	510		10	103	70-130	04/28/2021 1827
trans-1,2-Dichloroethene	ND	500	520		10	105	70-130	04/28/2021 1827
1,2-Dichloropropane	ND	500	540		10	108	70-130	04/28/2021 1827
cis-1,3-Dichloropropene	ND	500	530		10	105	70-130	04/28/2021 1827
trans-1,3-Dichloropropene	ND	500	540		10	107	70-130	04/28/2021 1827
Ethylbenzene	ND	500	520		10	104	70-130	04/28/2021 1827
2-Hexanone	ND	1000	1100		10	113	70-130	04/28/2021 1827
Methyl iodide (Iodomethane)	ND	500	480		10	97	70-130	04/28/2021 1827
4-Methyl-2-pentanone	ND	1000	1100		10	111	70-130	04/28/2021 1827
Methylene chloride	ND	500	490		10	98	70-130	04/28/2021 1827
Styrene	ND	500	530		10	106	70-130	04/28/2021 1827
1,1,1,2-Tetrachloroethane	ND	500	500		10	100	70-130	04/28/2021 1827
1,1,2,2-Tetrachloroethane	ND	500	490		10	99	70-130	04/28/2021 1827
Tetrachloroethene	ND	500	530		10	106	70-130	04/28/2021 1827
Toluene	ND	500	530		10	106	70-130	04/28/2021 1827
1,1,1-Trichloroethane	ND	500	550		10	110	70-130	04/28/2021 1827
1,1,2-Trichloroethane	ND	500	490		10	99	70-130	04/28/2021 1827
Trichloroethene	ND	500	520		10	103	70-130	04/28/2021 1827
Trichlorofluoromethane	ND	500	570		10	114	70-130	04/28/2021 1827
1,2,3-Trichloropropane	ND	500	500		10	100	70-130	04/28/2021 1827

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: WD21096-007MS
Batch: 90465
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl acetate	ND	500	510		10	101	60-140	04/28/2021 1827
Vinyl chloride	ND	500	430		10	87	70-130	04/28/2021 1827
Xylenes (total)	ND	1000	1000		10	105	70-130	04/28/2021 1827

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		109	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: WD21096-007MD
Batch: 90465
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	1000	990		10	99	7.5	60-140	20	04/28/2021 1851
Acrylonitrile	ND	1000	1100		10	106	0.84	70-122	20	04/28/2021 1851
Benzene	ND	500	530		10	104	0.92	70-130	20	04/28/2021 1851
Bromochloromethane	ND	500	470		10	95	2.3	70-130	20	04/28/2021 1851
Bromodichloromethane	ND	500	510		10	103	3.2	70-130	20	04/28/2021 1851
Bromoform	ND	500	500		10	101	1.8	70-130	20	04/28/2021 1851
Bromomethane (Methyl bromide)	ND	500	420		10	83	2.6	70-130	20	04/28/2021 1851
2-Butanone (MEK)	ND	1000	970		10	97	1.6	70-130	20	04/28/2021 1851
Carbon disulfide	ND	500	530		10	106	4.5	70-130	20	04/28/2021 1851
Carbon tetrachloride	ND	500	530		10	106	2.7	70-130	20	04/28/2021 1851
Chlorobenzene	1700	500	2200	E	10	99	3.2	70-130	20	04/28/2021 1851
Chloroethane	ND	500	500		10	101	8.1	70-130	20	04/28/2021 1851
Chloroform	ND	500	490		10	98	4.7	70-130	20	04/28/2021 1851
Chloromethane (Methyl chloride)	ND	500	440		10	88	2.2	60-140	20	04/28/2021 1851
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	490		10	99	6.8	70-130	20	04/28/2021 1851
Dibromochloromethane	ND	500	520		10	103	1.6	70-130	20	04/28/2021 1851
1,2-Dibromoethane (EDB)	ND	500	510		10	101	2.9	70-130	20	04/28/2021 1851
Dibromomethane (Methylene bromide)	ND	500	490		10	98	0.76	70-130	20	04/28/2021 1851
trans-1,4-Dichloro-2-butene	ND	500	440		10	87	5.0	70-130	20	04/28/2021 1851
1,2-Dichlorobenzene	2200	500	2700	E	10	87	8.9	70-130	20	04/28/2021 1851
1,4-Dichlorobenzene	550	500	1000		10	96	3.4	70-130	20	04/28/2021 1851
1,1-Dichloroethane	ND	500	540		10	107	3.2	70-130	20	04/28/2021 1851
1,2-Dichloroethane	ND	500	490		10	98	5.3	70-130	20	04/28/2021 1851
1,1-Dichloroethene	ND	500	500		10	101	3.2	70-130	20	04/28/2021 1851
cis-1,2-Dichloroethene	ND	500	500		10	100	2.2	70-130	20	04/28/2021 1851
trans-1,2-Dichloroethene	ND	500	510		10	102	2.8	70-130	20	04/28/2021 1851
1,2-Dichloropropane	ND	500	540		10	107	0.66	70-130	20	04/28/2021 1851
cis-1,3-Dichloropropene	ND	500	530		10	106	0.57	70-130	20	04/28/2021 1851
trans-1,3-Dichloropropene	ND	500	540		10	107	0.026	70-130	20	04/28/2021 1851
Ethylbenzene	ND	500	520		10	104	0.33	70-130	20	04/28/2021 1851
2-Hexanone	ND	1000	1200		10	119	4.8	70-130	20	04/28/2021 1851
Methyl iodide (Iodomethane)	ND	500	460		10	92	4.5	70-130	20	04/28/2021 1851
4-Methyl-2-pentanone	ND	1000	1200		10	117	5.3	70-130	20	04/28/2021 1851
Methylene chloride	ND	500	470		10	94	4.3	70-130	20	04/28/2021 1851
Styrene	ND	500	520		10	105	0.78	70-130	20	04/28/2021 1851
1,1,1,2-Tetrachloroethane	ND	500	490		10	99	1.5	70-130	20	04/28/2021 1851
1,1,2,2-Tetrachloroethane	ND	500	500		10	100	0.95	70-130	20	04/28/2021 1851
Tetrachloroethene	ND	500	540		10	108	1.4	70-130	20	04/28/2021 1851
Toluene	ND	500	530		10	106	0.072	70-130	20	04/28/2021 1851
1,1,1-Trichloroethane	ND	500	520		10	105	4.7	70-130	20	04/28/2021 1851
1,1,2-Trichloroethane	ND	500	500		10	101	1.8	70-130	20	04/28/2021 1851
Trichloroethene	ND	500	520		10	104	0.85	70-130	20	04/28/2021 1851
Trichlorofluoromethane	ND	500	540		10	107	6.4	70-130	20	04/28/2021 1851
1,2,3-Trichloropropane	ND	500	510		10	101	1.1	70-130	20	04/28/2021 1851

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: WD21096-007MD
Batch: 90465
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Vinyl acetate	ND	500	500		10	100	0.81	60-140	20	04/28/2021 1851
Vinyl chloride	ND	500	430		10	87	0.29	70-130	20	04/28/2021 1851
Xylenes (total)	ND	1000	1000		10	104	0.63	70-130	20	04/28/2021 1851

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		109	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ90572-001
Batch: 90572
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	04/28/2021 2240
Acrylonitrile	ND		1	20	ug/L	04/28/2021 2240
Benzene	ND		1	1.0	ug/L	04/28/2021 2240
Bromochloromethane	ND		1	1.0	ug/L	04/28/2021 2240
Bromodichloromethane	ND		1	1.0	ug/L	04/28/2021 2240
Bromoform	ND		1	1.0	ug/L	04/28/2021 2240
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	04/28/2021 2240
2-Butanone (MEK)	ND		1	10	ug/L	04/28/2021 2240
Carbon disulfide	ND		1	1.0	ug/L	04/28/2021 2240
Carbon tetrachloride	ND		1	1.0	ug/L	04/28/2021 2240
Chlorobenzene	ND		1	1.0	ug/L	04/28/2021 2240
Chloroethane	ND		1	2.0	ug/L	04/28/2021 2240
Chloroform	ND		1	1.0	ug/L	04/28/2021 2240
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	04/28/2021 2240
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	04/28/2021 2240
Dibromochloromethane	ND		1	1.0	ug/L	04/28/2021 2240
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	04/28/2021 2240
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	04/28/2021 2240
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	04/28/2021 2240
1,2-Dichlorobenzene	ND		1	1.0	ug/L	04/28/2021 2240
1,4-Dichlorobenzene	ND		1	1.0	ug/L	04/28/2021 2240
1,1-Dichloroethane	ND		1	1.0	ug/L	04/28/2021 2240
1,2-Dichloroethane	ND		1	1.0	ug/L	04/28/2021 2240
1,1-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 2240
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 2240
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 2240
1,2-Dichloropropane	ND		1	1.0	ug/L	04/28/2021 2240
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	04/28/2021 2240
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	04/28/2021 2240
Ethylbenzene	ND		1	1.0	ug/L	04/28/2021 2240
2-Hexanone	ND		1	10	ug/L	04/28/2021 2240
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	04/28/2021 2240
4-Methyl-2-pentanone	ND		1	10	ug/L	04/28/2021 2240
Methylene chloride	ND		1	1.0	ug/L	04/28/2021 2240
Styrene	ND		1	1.0	ug/L	04/28/2021 2240
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	04/28/2021 2240
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	04/28/2021 2240
Tetrachloroethene	ND		1	1.0	ug/L	04/28/2021 2240
Toluene	ND		1	1.0	ug/L	04/28/2021 2240
1,1,1-Trichloroethane	ND		1	1.0	ug/L	04/28/2021 2240
1,1,2-Trichloroethane	ND		1	1.0	ug/L	04/28/2021 2240
Trichloroethene	ND		1	1.0	ug/L	04/28/2021 2240
Trichlorofluoromethane	ND		1	1.0	ug/L	04/28/2021 2240
1,2,3-Trichloropropane	ND		1	1.0	ug/L	04/28/2021 2240

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ90572-001
Batch: 90572
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Vinyl acetate	ND		1	5.0	ug/L	04/28/2021 2240
Vinyl chloride	ND		1	1.0	ug/L	04/28/2021 2240
Xylenes (total)	ND		1	1.0	ug/L	04/28/2021 2240

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		109	70-130
Toluene-d8		110	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ90572-002
Batch: 90572
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	99		1	99	60-140	04/28/2021 2135
Acrylonitrile	100	110		1	108	70-130	04/28/2021 2135
Benzene	50	51		1	102	70-130	04/28/2021 2135
Bromochloromethane	50	49		1	97	70-130	04/28/2021 2135
Bromodichloromethane	50	53		1	106	70-130	04/28/2021 2135
Bromoform	50	53		1	106	70-130	04/28/2021 2135
Bromomethane (Methyl bromide)	50	42		1	85	70-130	04/28/2021 2135
2-Butanone (MEK)	100	97		1	97	70-130	04/28/2021 2135
Carbon disulfide	50	50		1	100	70-130	04/28/2021 2135
Carbon tetrachloride	50	50		1	100	70-130	04/28/2021 2135
Chlorobenzene	50	50		1	100	70-130	04/28/2021 2135
Chloroethane	50	47		1	94	70-130	04/28/2021 2135
Chloroform	50	49		1	97	70-130	04/28/2021 2135
Chloromethane (Methyl chloride)	50	42		1	85	60-140	04/28/2021 2135
1,2-Dibromo-3-chloropropane (DBCP)	50	51		1	102	70-130	04/28/2021 2135
Dibromochloromethane	50	54		1	108	70-130	04/28/2021 2135
1,2-Dibromoethane (EDB)	50	52		1	104	70-130	04/28/2021 2135
Dibromomethane (Methylene bromide)	50	49		1	99	70-130	04/28/2021 2135
trans-1,4-Dichloro-2-butene	50	53		1	106	70-130	04/28/2021 2135
1,2-Dichlorobenzene	50	48		1	95	70-130	04/28/2021 2135
1,4-Dichlorobenzene	50	50		1	100	70-130	04/28/2021 2135
1,1-Dichloroethane	50	52		1	105	70-130	04/28/2021 2135
1,2-Dichloroethane	50	50		1	100	70-130	04/28/2021 2135
1,1-Dichloroethene	50	47		1	94	70-130	04/28/2021 2135
cis-1,2-Dichloroethene	50	50		1	100	70-130	04/28/2021 2135
trans-1,2-Dichloroethene	50	50		1	100	70-130	04/28/2021 2135
1,2-Dichloropropane	50	53		1	105	70-130	04/28/2021 2135
cis-1,3-Dichloropropene	50	57		1	113	70-130	04/28/2021 2135
trans-1,3-Dichloropropene	50	59		1	118	70-130	04/28/2021 2135
Ethylbenzene	50	52		1	103	70-130	04/28/2021 2135
2-Hexanone	100	120		1	123	70-130	04/28/2021 2135
Methyl iodide (Iodomethane)	50	48		1	97	70-130	04/28/2021 2135
4-Methyl-2-pentanone	100	120		1	117	70-130	04/28/2021 2135
Methylene chloride	50	49		1	98	70-130	04/28/2021 2135
Styrene	50	53		1	105	70-130	04/28/2021 2135
1,1,1,2-Tetrachloroethane	50	52		1	103	70-130	04/28/2021 2135
1,1,2,2-Tetrachloroethane	50	51		1	102	70-130	04/28/2021 2135
Tetrachloroethene	50	52		1	104	70-130	04/28/2021 2135
Toluene	50	53		1	107	70-130	04/28/2021 2135
1,1,1-Trichloroethane	50	49		1	99	70-130	04/28/2021 2135
1,1,2-Trichloroethane	50	53		1	106	70-130	04/28/2021 2135
Trichloroethene	50	50		1	99	70-130	04/28/2021 2135
Trichlorofluoromethane	50	44		1	88	70-130	04/28/2021 2135
1,2,3-Trichloropropane	50	52		1	104	70-130	04/28/2021 2135

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ90572-002
Batch: 90572
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl acetate	50	54		1	107	60-140	04/28/2021 2135
Vinyl chloride	50	38		1	75	70-130	04/28/2021 2135
Xylenes (total)	100	100		1	103	70-130	04/28/2021 2135

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		108	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ90577-001
Batch: 90577
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	04/28/2021 2220
Acrylonitrile	ND		1	20	ug/L	04/28/2021 2220
Benzene	ND		1	1.0	ug/L	04/28/2021 2220
Bromochloromethane	ND		1	1.0	ug/L	04/28/2021 2220
Bromodichloromethane	ND		1	1.0	ug/L	04/28/2021 2220
Bromoform	ND		1	1.0	ug/L	04/28/2021 2220
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	04/28/2021 2220
2-Butanone (MEK)	ND		1	10	ug/L	04/28/2021 2220
Carbon disulfide	ND		1	1.0	ug/L	04/28/2021 2220
Carbon tetrachloride	ND		1	1.0	ug/L	04/28/2021 2220
Chlorobenzene	ND		1	1.0	ug/L	04/28/2021 2220
Chloroethane	ND		1	2.0	ug/L	04/28/2021 2220
Chloroform	ND		1	1.0	ug/L	04/28/2021 2220
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	04/28/2021 2220
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	04/28/2021 2220
Dibromochloromethane	ND		1	1.0	ug/L	04/28/2021 2220
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	04/28/2021 2220
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	04/28/2021 2220
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	04/28/2021 2220
1,2-Dichlorobenzene	ND		1	1.0	ug/L	04/28/2021 2220
1,4-Dichlorobenzene	ND		1	1.0	ug/L	04/28/2021 2220
1,1-Dichloroethane	ND		1	1.0	ug/L	04/28/2021 2220
1,2-Dichloroethane	ND		1	1.0	ug/L	04/28/2021 2220
1,1-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 2220
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 2220
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 2220
1,2-Dichloropropane	ND		1	1.0	ug/L	04/28/2021 2220
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	04/28/2021 2220
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	04/28/2021 2220
Ethylbenzene	ND		1	1.0	ug/L	04/28/2021 2220
2-Hexanone	ND		1	10	ug/L	04/28/2021 2220
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	04/28/2021 2220
4-Methyl-2-pentanone	ND		1	10	ug/L	04/28/2021 2220
Methylene chloride	ND		1	1.0	ug/L	04/28/2021 2220
Styrene	ND		1	1.0	ug/L	04/28/2021 2220
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	04/28/2021 2220
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	04/28/2021 2220
Tetrachloroethene	ND		1	1.0	ug/L	04/28/2021 2220
Toluene	ND		1	1.0	ug/L	04/28/2021 2220
1,1,1-Trichloroethane	ND		1	1.0	ug/L	04/28/2021 2220
1,1,2-Trichloroethane	ND		1	1.0	ug/L	04/28/2021 2220
Trichloroethene	ND		1	1.0	ug/L	04/28/2021 2220
Trichlorofluoromethane	ND		1	1.0	ug/L	04/28/2021 2220
1,2,3-Trichloropropane	ND		1	1.0	ug/L	04/28/2021 2220

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ90577-001
Batch: 90577
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Vinyl acetate	ND		1	5.0	ug/L	04/28/2021 2220
Vinyl chloride	ND		1	1.0	ug/L	04/28/2021 2220
Xylenes (total)	ND		1	1.0	ug/L	04/28/2021 2220

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		96	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ90577-002
Batch: 90577
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	90		1	90	60-140	04/28/2021 2130
Acrylonitrile	100	100		1	101	70-130	04/28/2021 2130
Benzene	50	50		1	100	70-130	04/28/2021 2130
Bromochloromethane	50	48		1	96	70-130	04/28/2021 2130
Bromodichloromethane	50	45		1	90	70-130	04/28/2021 2130
Bromoform	50	43		1	85	70-130	04/28/2021 2130
Bromomethane (Methyl bromide)	50	60		1	121	70-130	04/28/2021 2130
2-Butanone (MEK)	100	93		1	93	70-130	04/28/2021 2130
Carbon disulfide	50	47		1	93	70-130	04/28/2021 2130
Carbon tetrachloride	50	46		1	91	70-130	04/28/2021 2130
Chlorobenzene	50	49		1	99	70-130	04/28/2021 2130
Chloroethane	50	54		1	107	70-130	04/28/2021 2130
Chloroform	50	46		1	92	70-130	04/28/2021 2130
Chloromethane (Methyl chloride)	50	55		1	110	60-140	04/28/2021 2130
1,2-Dibromo-3-chloropropane (DBCP)	50	36		1	72	70-130	04/28/2021 2130
Dibromochloromethane	50	44		1	88	70-130	04/28/2021 2130
1,2-Dibromoethane (EDB)	50	48		1	95	70-130	04/28/2021 2130
Dibromomethane (Methylene bromide)	50	49		1	98	70-130	04/28/2021 2130
trans-1,4-Dichloro-2-butene	50	36		1	72	70-130	04/28/2021 2130
1,2-Dichlorobenzene	50	48		1	96	70-130	04/28/2021 2130
1,4-Dichlorobenzene	50	47		1	94	70-130	04/28/2021 2130
1,1-Dichloroethane	50	46		1	92	70-130	04/28/2021 2130
1,2-Dichloroethane	50	46		1	91	70-130	04/28/2021 2130
1,1-Dichloroethene	50	49		1	99	70-130	04/28/2021 2130
cis-1,2-Dichloroethene	50	49		1	97	70-130	04/28/2021 2130
trans-1,2-Dichloroethene	50	51		1	101	70-130	04/28/2021 2130
1,2-Dichloropropane	50	48		1	95	70-130	04/28/2021 2130
cis-1,3-Dichloropropene	50	45		1	89	70-130	04/28/2021 2130
trans-1,3-Dichloropropene	50	42		1	84	70-130	04/28/2021 2130
Ethylbenzene	50	48		1	97	70-130	04/28/2021 2130
2-Hexanone	100	92		1	92	70-130	04/28/2021 2130
Methyl iodide (Iodomethane)	50	51		1	101	70-130	04/28/2021 2130
4-Methyl-2-pentanone	100	91		1	91	70-130	04/28/2021 2130
Methylene chloride	50	49		1	98	70-130	04/28/2021 2130
Styrene	50	49		1	99	70-130	04/28/2021 2130
1,1,1,2-Tetrachloroethane	50	45		1	91	70-130	04/28/2021 2130
1,1,2,2-Tetrachloroethane	50	46		1	92	70-130	04/28/2021 2130
Tetrachloroethene	50	48		1	96	70-130	04/28/2021 2130
Toluene	50	47		1	94	70-130	04/28/2021 2130
1,1,1-Trichloroethane	50	45		1	91	70-130	04/28/2021 2130
1,1,2-Trichloroethane	50	49		1	99	70-130	04/28/2021 2130
Trichloroethene	50	50		1	99	70-130	04/28/2021 2130
Trichlorofluoromethane	50	49		1	98	70-130	04/28/2021 2130
1,2,3-Trichloropropane	50	46		1	92	70-130	04/28/2021 2130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ90577-002
Batch: 90577
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl acetate	50	47		1	95	60-140	04/28/2021 2130
Vinyl chloride	50	63		1	127	70-130	04/28/2021 2130
Xylenes (total)	100	96		1	96	70-130	04/28/2021 2130

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		96	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ90801-001
Batch: 90801
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	04/30/2021 1043
Acrylonitrile	ND		1	20	ug/L	04/30/2021 1043
Benzene	ND		1	1.0	ug/L	04/30/2021 1043
Bromochloromethane	ND		1	1.0	ug/L	04/30/2021 1043
Bromodichloromethane	ND		1	1.0	ug/L	04/30/2021 1043
Bromoform	ND		1	1.0	ug/L	04/30/2021 1043
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	04/30/2021 1043
2-Butanone (MEK)	ND		1	10	ug/L	04/30/2021 1043
Carbon disulfide	ND		1	1.0	ug/L	04/30/2021 1043
Carbon tetrachloride	ND		1	1.0	ug/L	04/30/2021 1043
Chlorobenzene	ND		1	1.0	ug/L	04/30/2021 1043
Chloroethane	ND		1	2.0	ug/L	04/30/2021 1043
Chloroform	ND		1	1.0	ug/L	04/30/2021 1043
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	04/30/2021 1043
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	04/30/2021 1043
Dibromochloromethane	ND		1	1.0	ug/L	04/30/2021 1043
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	04/30/2021 1043
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	04/30/2021 1043
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	04/30/2021 1043
1,2-Dichlorobenzene	ND		1	1.0	ug/L	04/30/2021 1043
1,4-Dichlorobenzene	ND		1	1.0	ug/L	04/30/2021 1043
1,1-Dichloroethane	ND		1	1.0	ug/L	04/30/2021 1043
1,2-Dichloroethane	ND		1	1.0	ug/L	04/30/2021 1043
1,1-Dichloroethene	ND		1	1.0	ug/L	04/30/2021 1043
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	04/30/2021 1043
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	04/30/2021 1043
1,2-Dichloropropane	ND		1	1.0	ug/L	04/30/2021 1043
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	04/30/2021 1043
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	04/30/2021 1043
Ethylbenzene	ND		1	1.0	ug/L	04/30/2021 1043
2-Hexanone	ND		1	10	ug/L	04/30/2021 1043
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	04/30/2021 1043
4-Methyl-2-pentanone	ND		1	10	ug/L	04/30/2021 1043
Methylene chloride	ND		1	1.0	ug/L	04/30/2021 1043
Styrene	ND		1	1.0	ug/L	04/30/2021 1043
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	04/30/2021 1043
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	04/30/2021 1043
Tetrachloroethene	ND		1	1.0	ug/L	04/30/2021 1043
Toluene	ND		1	1.0	ug/L	04/30/2021 1043
1,1,1-Trichloroethane	ND		1	1.0	ug/L	04/30/2021 1043
1,1,2-Trichloroethane	ND		1	1.0	ug/L	04/30/2021 1043
Trichloroethene	ND		1	1.0	ug/L	04/30/2021 1043
Trichlorofluoromethane	ND		1	1.0	ug/L	04/30/2021 1043
1,2,3-Trichloropropane	ND		1	1.0	ug/L	04/30/2021 1043

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ90801-001
Batch: 90801
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Vinyl acetate	ND		1	5.0	ug/L	04/30/2021 1043
Vinyl chloride	ND		1	1.0	ug/L	04/30/2021 1043
Xylenes (total)	ND		1	1.0	ug/L	04/30/2021 1043

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		110	70-130
1,2-Dichloroethane-d4		108	70-130
Toluene-d8		111	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ90801-002
Batch: 90801
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	120		1	117	60-140	04/30/2021 0830
Acrylonitrile	100	110		1	110	70-130	04/30/2021 0830
Benzene	50	51		1	101	70-130	04/30/2021 0830
Bromochloromethane	50	48		1	96	70-130	04/30/2021 0830
Bromodichloromethane	50	52		1	104	70-130	04/30/2021 0830
Bromoform	50	55		1	110	70-130	04/30/2021 0830
Bromomethane (Methyl bromide)	50	43		1	87	70-130	04/30/2021 0830
2-Butanone (MEK)	100	110		1	109	70-130	04/30/2021 0830
Carbon disulfide	50	53		1	106	70-130	04/30/2021 0830
Carbon tetrachloride	50	49		1	99	70-130	04/30/2021 0830
Chlorobenzene	50	50		1	100	70-130	04/30/2021 0830
Chloroethane	50	48		1	96	70-130	04/30/2021 0830
Chloroform	50	48		1	96	70-130	04/30/2021 0830
Chloromethane (Methyl chloride)	50	45		1	91	60-140	04/30/2021 0830
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	101	70-130	04/30/2021 0830
Dibromochloromethane	50	52		1	105	70-130	04/30/2021 0830
1,2-Dibromoethane (EDB)	50	51		1	103	70-130	04/30/2021 0830
Dibromomethane (Methylene bromide)	50	49		1	99	70-130	04/30/2021 0830
trans-1,4-Dichloro-2-butene	50	52		1	104	70-130	04/30/2021 0830
1,2-Dichlorobenzene	50	49		1	99	70-130	04/30/2021 0830
1,4-Dichlorobenzene	50	50		1	100	70-130	04/30/2021 0830
1,1-Dichloroethane	50	52		1	105	70-130	04/30/2021 0830
1,2-Dichloroethane	50	49		1	97	70-130	04/30/2021 0830
1,1-Dichloroethene	50	49		1	97	70-130	04/30/2021 0830
cis-1,2-Dichloroethene	50	51		1	102	70-130	04/30/2021 0830
trans-1,2-Dichloroethene	50	50		1	100	70-130	04/30/2021 0830
1,2-Dichloropropane	50	54		1	108	70-130	04/30/2021 0830
cis-1,3-Dichloropropene	50	56		1	113	70-130	04/30/2021 0830
trans-1,3-Dichloropropene	50	56		1	112	70-130	04/30/2021 0830
Ethylbenzene	50	52		1	105	70-130	04/30/2021 0830
2-Hexanone	100	120		1	118	70-130	04/30/2021 0830
Methyl iodide (Iodomethane)	50	48		1	96	70-130	04/30/2021 0830
4-Methyl-2-pentanone	100	120		1	116	70-130	04/30/2021 0830
Methylene chloride	50	48		1	96	70-130	04/30/2021 0830
Styrene	50	53		1	107	70-130	04/30/2021 0830
1,1,1,2-Tetrachloroethane	50	52		1	104	70-130	04/30/2021 0830
1,1,2,2-Tetrachloroethane	50	49		1	97	70-130	04/30/2021 0830
Tetrachloroethene	50	53		1	105	70-130	04/30/2021 0830
Toluene	50	52		1	105	70-130	04/30/2021 0830
1,1,1-Trichloroethane	50	50		1	99	70-130	04/30/2021 0830
1,1,2-Trichloroethane	50	51		1	102	70-130	04/30/2021 0830
Trichloroethene	50	51		1	102	70-130	04/30/2021 0830
Trichlorofluoromethane	50	50		1	100	70-130	04/30/2021 0830
1,2,3-Trichloropropane	50	50		1	99	70-130	04/30/2021 0830

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ90801-002
Batch: 90801
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl acetate	50	54		1	108	60-140	04/30/2021 0830
Vinyl chloride	50	39		1	79	70-130	04/30/2021 0830
Xylenes (total)	100	100		1	104	70-130	04/30/2021 0830

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		101	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: WD21096-007MS
Batch: 90801
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	ND	2000	2000		20	102	60-140	04/30/2021 1911
Acrylonitrile	ND	2000	2300		20	116	70-122	04/30/2021 1911
Benzene	ND	1000	1100		20	106	70-130	04/30/2021 1911
Bromochloromethane	ND	1000	950		20	95	70-130	04/30/2021 1911
Bromodichloromethane	ND	1000	1100		20	105	70-130	04/30/2021 1911
Bromoform	ND	1000	1100		20	113	70-130	04/30/2021 1911
Bromomethane (Methyl bromide)	ND	1000	780		20	78	70-130	04/30/2021 1911
2-Butanone (MEK)	ND	2000	2100		20	103	70-130	04/30/2021 1911
Carbon disulfide	ND	1000	1200		20	117	70-130	04/30/2021 1911
Carbon tetrachloride	ND	1000	1100		20	112	70-130	04/30/2021 1911
Chlorobenzene	1600	1000	2500		20	97	70-130	04/30/2021 1911
Chloroethane	ND	1000	900		20	90	70-130	04/30/2021 1911
Chloroform	ND	1000	980		20	98	70-130	04/30/2021 1911
Chloromethane (Methyl chloride)	ND	1000	770		20	77	60-140	04/30/2021 1911
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	1100		20	107	70-130	04/30/2021 1911
Dibromochloromethane	ND	1000	1100		20	107	70-130	04/30/2021 1911
1,2-Dibromoethane (EDB)	ND	1000	1000		20	104	70-130	04/30/2021 1911
Dibromomethane (Methylene bromide)	ND	1000	990		20	99	70-130	04/30/2021 1911
trans-1,4-Dichloro-2-butene	ND	1000	1000		20	102	70-130	04/30/2021 1911
1,2-Dichlorobenzene	2100	1000	3000		20	91	70-130	04/30/2021 1911
1,4-Dichlorobenzene	490	1000	1500		20	101	70-130	04/30/2021 1911
1,1-Dichloroethane	ND	1000	1100		20	111	70-130	04/30/2021 1911
1,2-Dichloroethane	ND	1000	970		20	97	70-130	04/30/2021 1911
1,1-Dichloroethene	ND	1000	1100		20	108	70-130	04/30/2021 1911
cis-1,2-Dichloroethene	ND	1000	1000		20	102	70-130	04/30/2021 1911
trans-1,2-Dichloroethene	ND	1000	1100		20	106	70-130	04/30/2021 1911
1,2-Dichloropropane	ND	1000	1100		20	110	70-130	04/30/2021 1911
cis-1,3-Dichloropropene	ND	1000	1100		20	112	70-130	04/30/2021 1911
trans-1,3-Dichloropropene	ND	1000	1200		20	116	70-130	04/30/2021 1911
Ethylbenzene	ND	1000	1100		20	109	70-130	04/30/2021 1911
2-Hexanone	ND	2000	2300		20	116	70-130	04/30/2021 1911
Methyl iodide (Iodomethane)	ND	1000	1000		20	105	70-130	04/30/2021 1911
4-Methyl-2-pentanone	ND	2000	2300		20	113	70-130	04/30/2021 1911
Methylene chloride	ND	1000	1000		20	102	70-130	04/30/2021 1911
Styrene	ND	1000	1100		20	111	70-130	04/30/2021 1911
1,1,1,2-Tetrachloroethane	ND	1000	1100		20	106	70-130	04/30/2021 1911
1,1,2,2-Tetrachloroethane	ND	1000	1000		20	100	70-130	04/30/2021 1911
Tetrachloroethene	ND	1000	1100		20	112	70-130	04/30/2021 1911
Toluene	ND	1000	1100		20	115	70-130	04/30/2021 1911
1,1,1-Trichloroethane	ND	1000	1100		20	107	70-130	04/30/2021 1911
1,1,2-Trichloroethane	ND	1000	1000		20	103	70-130	04/30/2021 1911
Trichloroethene	ND	1000	1100		20	106	70-130	04/30/2021 1911
Trichlorofluoromethane	ND	1000	980		20	98	70-130	04/30/2021 1911
1,2,3-Trichloropropane	ND	1000	1000		20	102	70-130	04/30/2021 1911

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: WD21096-007MS
Batch: 90801
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl acetate	ND	1000	1100		20	108	60-140	04/30/2021 1911
Vinyl chloride	ND	1000	700		20	70	70-130	04/30/2021 1911
Xylenes (total)	ND	2000	2200		20	110	70-130	04/30/2021 1911

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		96	70-130
Toluene-d8		110	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: WD21096-007MD
Batch: 90801
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	2000	2100		20	104	1.6	60-140	20	04/30/2021 1935
Acrylonitrile	ND	2000	2400		20	118	1.5	70-122	20	04/30/2021 1935
Benzene	ND	1000	1100		20	107	0.75	70-130	20	04/30/2021 1935
Bromochloromethane	ND	1000	1000		20	103	8.0	70-130	20	04/30/2021 1935
Bromodichloromethane	ND	1000	1100		20	114	7.7	70-130	20	04/30/2021 1935
Bromoform	ND	1000	1100		20	108	4.6	70-130	20	04/30/2021 1935
Bromomethane (Methyl bromide)	ND	1000	820		20	82	5.2	70-130	20	04/30/2021 1935
2-Butanone (MEK)	ND	2000	2200		20	109	5.7	70-130	20	04/30/2021 1935
Carbon disulfide	ND	1000	1200		20	122	4.1	70-130	20	04/30/2021 1935
Carbon tetrachloride	ND	1000	1100		20	110	1.1	70-130	20	04/30/2021 1935
Chlorobenzene	1600	1000	2400		20	86	4.4	70-130	20	04/30/2021 1935
Chloroethane	ND	1000	960		20	96	6.6	70-130	20	04/30/2021 1935
Chloroform	ND	1000	1000		20	104	6.1	70-130	20	04/30/2021 1935
Chloromethane (Methyl chloride)	ND	1000	820		20	82	6.5	60-140	20	04/30/2021 1935
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	1000		20	100	6.5	70-130	20	04/30/2021 1935
Dibromochloromethane	ND	1000	1100		20	111	3.9	70-130	20	04/30/2021 1935
1,2-Dibromoethane (EDB)	ND	1000	1100		20	107	3.5	70-130	20	04/30/2021 1935
Dibromomethane (Methylene bromide)	ND	1000	1100		20	106	6.4	70-130	20	04/30/2021 1935
trans-1,4-Dichloro-2-butene	ND	1000	1100		20	106	4.1	70-130	20	04/30/2021 1935
1,2-Dichlorobenzene	2100	1000	3000		20	93	0.38	70-130	20	04/30/2021 1935
1,4-Dichlorobenzene	490	1000	1500		20	103	1.1	70-130	20	04/30/2021 1935
1,1-Dichloroethane	ND	1000	1200		20	120	7.8	70-130	20	04/30/2021 1935
1,2-Dichloroethane	ND	1000	990		20	99	1.6	70-130	20	04/30/2021 1935
1,1-Dichloroethene	ND	1000	1100		20	114	5.1	70-130	20	04/30/2021 1935
cis-1,2-Dichloroethene	ND	1000	1100		20	111	8.4	70-130	20	04/30/2021 1935
trans-1,2-Dichloroethene	ND	1000	1200		20	116	8.4	70-130	20	04/30/2021 1935
1,2-Dichloropropane	ND	1000	1200		20	116	5.0	70-130	20	04/30/2021 1935
cis-1,3-Dichloropropene	ND	1000	1200		20	122	8.5	70-130	20	04/30/2021 1935
trans-1,3-Dichloropropene	ND	1000	1200		20	118	1.8	70-130	20	04/30/2021 1935
Ethylbenzene	ND	1000	1100		20	107	2.2	70-130	20	04/30/2021 1935
2-Hexanone	ND	2000	2400		20	120	3.7	70-130	20	04/30/2021 1935
Methyl iodide (Iodomethane)	ND	1000	1100		20	109	4.3	70-130	20	04/30/2021 1935
4-Methyl-2-pentanone	ND	2000	2400		20	122	7.3	70-130	20	04/30/2021 1935
Methylene chloride	ND	1000	1100		20	106	3.6	70-130	20	04/30/2021 1935
Styrene	ND	1000	1100		20	105	5.3	70-130	20	04/30/2021 1935
1,1,1,2-Tetrachloroethane	ND	1000	1000		20	104	1.5	70-130	20	04/30/2021 1935
1,1,2,2-Tetrachloroethane	ND	1000	1100		20	106	5.8	70-130	20	04/30/2021 1935
Tetrachloroethene	ND	1000	1200		20	119	5.9	70-130	20	04/30/2021 1935
Toluene	ND	1000	1100		20	113	1.1	70-130	20	04/30/2021 1935
1,1,1-Trichloroethane	ND	1000	1100		20	108	1.3	70-130	20	04/30/2021 1935
1,1,2-Trichloroethane	ND	1000	1100		20	108	4.9	70-130	20	04/30/2021 1935
Trichloroethene	ND	1000	1100		20	111	4.4	70-130	20	04/30/2021 1935
Trichlorofluoromethane	ND	1000	1100		20	108	10	70-130	20	04/30/2021 1935
1,2,3-Trichloropropane	ND	1000	1100		20	106	4.3	70-130	20	04/30/2021 1935

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: WD21096-007MD
Batch: 90801
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Vinyl acetate	ND	1000	1200		20	118	8.2	60-140	20	04/30/2021 1935
Vinyl chloride	ND	1000	730		20	73	4.7	70-130	20	04/30/2021 1935
Xylenes (total)	ND	2000	2100		20	107	2.1	70-130	20	04/30/2021 1935

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		109	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ91038-001
Batch: 91038
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
1,2-Dichloroethane	ND		1	1.0	ug/L	05/04/2021 0233
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	05/04/2021 0233
Vinyl chloride	ND		1	1.0	ug/L	05/04/2021 0233

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		106	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ91038-002
Batch: 91038
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dichloroethane	50	51		1	102	70-130	05/04/2021 0129
cis-1,2-Dichloroethene	50	51		1	103	70-130	05/04/2021 0129
Vinyl chloride	50	50		1	100	70-130	05/04/2021 0129

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		102	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody

and

Miscellaneous Documents

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106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.pacelabs.com

PaceAnalytical®

Number 119728

Client: CDM SMITH
Address: 5400 GLENWOOD AVE SUITE 400
City: RALEIGH State: NC Zip Code: 27612
Project Name: PSC
Project No.:
P.O. No.:

Report to Contact: MAT COLONE
Sampler's Signature: x [signature]
Printed Name: PATRICK KANE

Telephone No. / E-mail:
Analysis (Attach list if more space is needed)
Quote No.:
Page 1 of 3
Lot # Bar Code: WD21096
CSD
Remarks / Cooler I.D.

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	G=Grab C=Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	Unpres.	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Field Filtered	VOCs - 8260
MW-111	4-20-21	1425	G							✓ 3				✓
TRIP-BLANK	–	–												✓
OB-110A	4-21-21	1240	G							✓ 3				✓
MW-118	4-21-21	1235	G							✓ 3				✓
P-3	4-21-21	1350	G							✓ 3				✓
RIMW-19	4-21-21	1425	G							✓ 3				✓
MW-123A	4-21-21	1422	G							✓ 3				✓
~~MW-113A~~ MW-119	4-21-21	1340	G							✓ 3				✓

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☑ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

Relinquished by	Date	Time	Received by	Date	Time
1. Relinquished by [signature]	4-21-21	1440	1. Received by [signature] / PACE	4.21.21	1440
2. Relinquished by [signature] / PACE	4.21.21	1715	2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by			4. Laboratory received by [signature] McHaney	4/21/21	1715

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) (Yes) No Ice Pack
Receipt Temp. 3.1 °C
Temp Blank ☑ Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: ME0038N2-01

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www.pacelabs.com

Number 119726

Client	Report to Contact	Telephone No. / E-mail	Quote No.
CDM SMITH	MAT COLONE colonemf@cdmsmith.com		
Address	**Sampler's Signature**	**Analysis (Attach list if more space is needed)**	Page 2 of 3
5400 GLENWOOD AVE SUITE 400	X		
City / **State** / **Zip Code**	**Printed Name**		
RALEIGH / NC / 27612	PATRICK KANE		
Project Name			
PSC			

Project No.	P.O. No.			Matrix			No of Containers by Preservative Type								VOCs - 8260							WD21096
Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	Grab/Composite	Aqueous	Solid	Non-Aqueous	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnOAc NaOH	Na2S2O3	Field Filtered								Remarks / Cooler I.D.
DUP-3	4-21-21	1110	G							✓3					✓							
OB-110B	4-21-21	1140	G							✓3					✓							
DUP-4	4-21-21	1140	G							✓3					✓							
RIMW-3	4-21-21	1010	G							✓3					✓							
W-1	4-21-21	0925	G							✓3					✓							
MW-122B	4-21-21	0830	G							✓3					✓							
MW-112	4-20-21	1255	G							✓3					✓							
RIMW-9	4-20-21	1650	G							✓3					✓							
RIMW-10	4-20-21	1610	G							✓3					✓							
RIMW-14	4-20-21	1530	G							✓3					✓							

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☑ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

		Date	Time
1. Relinquished by		4-21-21	1440
2. Relinquished by		4-21-21	1715
3. Relinquished by		Date	Time
4. Relinquished by		Date	Time

		Date	Time
1. Received by	MClapsaddle / PACE	4.21.21	1440
2. Received by		Date	Time
3. Received by		Date	Time
4. Laboratory received by	YMHenney	Date 4/21/21	Time 1715

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY Received on ice (Circle) Yes No Ice Pack Receipt Temp. 3.1 °C Temp Blank ☑ Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: MS003N2-01

PACE ANALYTICAL SERVICES, LLC

PACE ANALYTICAL SERVICES, LLC
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.pacelabs.com

Number 119725

Client	Report to Contact	Telephone No. / E-mail	Quote No.
CDM SMITH	MATT COLVIN	colvinmr@cdmsmith.com	
Address 5400 GLENWOOD AVE SUITE 400	**Sampler's Signature** X	**Analysis (Attach list if more space is needed)**	Page 3 of 3
City RALEIGH **State** NC **Zip Code** 27612	**Printed Name** PATRICK KANE		
Project Name PSC			WD21096
Project No.	**P.O. No.**		CSD

Sample ID / Description (Containers for each sample may be combined on one line.)	Collection Date(s)	Collection Time (Military)	Grab/Composite	Matrix: Aqueous	Matrix: Solid	Matrix: Non-Aqueous	No of Containers by Preservative Type: Unpres.	HCl	H2SO4	HNO3	NaOH	Na2S2O3	Other	VOCs - 8260	Remarks / Cooler I.D.
RIMW-11	4-20-21	1230												✓	
MW-102	4-20-21	1315												✓	
RIMW-12	4-20-21	1405												✓	
W-2	4-20-21	~~1440~~ 1520												✓	
PUP-2	4-20-21	1520												✓	
MW-105	4-20-21	1555												✓	
RIMW-18	4-20-21	1705												✓	
MW-115B	4-21-21	0915												✓	
P-1	4-21-21	1005												✓	
RIMW-2.6	4-21-21	1110												✓	

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☑ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by	4-21-21	1440	1. Received by /PACE	4.21.21	1446
2. Relinquished by /PACE	4.21.21	1715	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory received by	Date 4/21/21	Time 1715

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY Received on ice (Circle) (Yes) No Ice Pack Receipt Temp. 3.1 °C Temp Blank ☑ Y ☐ N

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s), PINK-Field/Client Copy

Document Number: MEG03N2-01

PACE ANALYTICAL SERVICES, LLC

Pace Analytical

Samples Receipt Checklist (SRC) (ME0018C-15)
Issuing Authority: Pace ENV - WCOL

Revised:9/29/2020
Page 1 of 1

Sample Receipt Checklist (SRC)

Client: CDM Smith Cooler Inspected by/date: JRG2 / 04/21/2021 Lot #: WD21096

Means of receipt: ☑ Pace ☐ Client ☐ UPS ☐ FedEx ☐ Other: _____

☐ Yes	☑ No		1. Were custody seals present on the cooler?
☐ Yes	☐ No	☑ NA	2. If custody seals were present, were they intact and unbroken?

pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA

Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: NA

3.1 / 3.1 °C NA / NA °C NA / NA °C NA / NA °C

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Ice Packs ☐ Dry Ice ☐ None

☐ Yes	☐ No	☑ NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
☐ Yes	☐ No	☑ NA	4. Is the commercial courier's packing slip attached to this form?
☑ Yes	☐ No		5. Were proper custody procedures (relinquished/received) followed?
☑ Yes	☐ No		6. Were sample IDs listed on the COC?
☑ Yes	☐ No		7. Were sample IDs listed on all sample containers?
☑ Yes	☐ No		8. Was collection date & time listed on the COC?
☑ Yes	☐ No		9. Was collection date & time listed on all sample containers?
☑ Yes	☐ No		10. Did all container label information (ID, date, time) agree with the COC?
☑ Yes	☐ No		11. Were tests to be performed listed on the COC?
☑ Yes	☐ No		12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
☑ Yes	☐ No		13. Was adequate sample volume available?
☑ Yes	☐ No		14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
☐ Yes	☑ No		15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
☐ Yes	☑ No	☐ NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (¼"or 6mm in diameter) in any of the VOA vials?
☐ Yes	☐ No	☑ NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
☐ Yes	☐ No	☑ NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
☐ Yes	☐ No	☑ NA	19. Were all applicable NH_3/TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?
☐ Yes	☐ No	☑ NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
☐ Yes	☑ No		21. Was the quote number listed on the container label? If yes, Quote #

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA.

Time of preservation NA. If more than one preservative is needed, please note in the comments below.

Sample(s) NA were received with bubbles >6 mm in diameter.

Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is *no*) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Shealy ID: NA.

SR barcode labels applied by: JRG2 Date: 04/21/2021

Comments:

Revised:9/29/2020
Page 1 of 1

Samples Receipt Checklist (SRC) (ME0018C-15)
Issuing Authority: Pace ENV - WCOL

Pace Analytical

Sample Receipt Checklist (SRC)

Client: CDM Smith Cooler Inspected by/date: JRG2 / 04/21/2021 Lot #: WD21096

Means of receipt: ☑ Pace ☐ Client ☐ UPS ☐ FedEx ☐ Other:

☐ Yes	☑ No		1. Were custody seals present on the cooler?
☐ Yes	☐ No	☑ NA	2. If custody seals were present, were they intact and unbroken?

pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA

Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: NA

3.1 / 3.1 °C NA / NA °C NA / NA °C NA / NA °C

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Ice Packs ☐ Dry Ice ☐ None

☐ Yes	☐ No	☑ NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
☐ Yes	☐ No	☑ NA	4. Is the commercial courier's packing slip attached to this form?
☑ Yes	☐ No		5. Were proper custody procedures (relinquished/received) followed?
☑ Yes	☐ No		6. Were sample IDs listed on the COC?
☑ Yes	☐ No		7. Were sample IDs listed on all sample containers?
☑ Yes	☐ No		8. Was collection date & time listed on the COC?
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☑ Yes	☐ No		10. Did all container label information (ID, date, time) agree with the COC?
☑ Yes	☐ No		11. Were tests to be performed listed on the COC?
☑ Yes	☐ No		12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
☑ Yes	☐ No		13. Was adequate sample volume available?
☑ Yes	☐ No		14. Were all samples received within the holding time or 48 hours, whichever comes first?
☑ Yes	☑ No	RSK	15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
☐ Yes	☑ No	☐ NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (¼"or 6mm in diameter) in any of the VOA vials?
☐ Yes	☐ No	☑ NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
☐ Yes	☐ No	☑ NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
☐ Yes	☐ No	☑ NA	19. Were all applicable NH_3/TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?
☐ Yes	☐ No	☑ NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
☐ Yes	☑ No		21. Was the quote number listed on the container label? If yes, Quote #

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H_2SO_4, HNO_3, HCl, NaOH using SR # NA.

Time of preservation NA. If more than one preservative is needed, please note in the comments below.

Sample(s) NA were received with bubbles >6 mm in diameter.

Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is *no*) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Shealy ID: NA.

SR barcode labels applied by: JRG2 Date: 04/21/2021

Comments: Missing: R-1 MW-11 All containers

Report of Analysis

CDM Smith
5400 Glenwood Avenue
Suite 400
Raleigh, NC 27612
Attention: Mathew Colone

Project Name: PSC-Rock Hill

Lot Number:**WD22087**

Date Completed:05/06/2021

05/12/2021 10:10 PM
Approved and released by:
Project Manager II: **Cathy S. Dover**

Pace Analytical Services, LLC (*formerly Shealy Environmental Services, Inc.*)
106 Vantage Point Drive West Columbia, SC 29172
Tel: 803-791-9700 Fax: 803-791-9111 www.pacelabs.com

Case Narrative
CDM Smith
Lot Number: WD22087

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

VOA 8260D
The MS/MSD for batch 90577 and parent sample WD22087-004 (OB-109), recovered marginally outside control limits for Bromomethane and trans-1,4=Dichloro-2-butene. The associated LCS passed all acceptance criteria.

The MS/MSD for batch 91166 and parent sample WD22087-018 (R1MW-4)), recovered marginally outside control limits for Bromomethane and trans-1,4=Dichloro-2-butene. The associated LCS passed all acceptance criteria.

If you have any questions regarding this report please contact the Pace Project Manager listed on the cover page.

Sample Summary

CDM Smith

Lot Number: WD22087

Project Name: PSC-Rock Hill

Project Number:

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	Dup-7	Aqueous	04/22/2021 0708	04/22/2021
002	EQ BLANK	Aqueous	04/21/2021 1725	04/22/2021
003	TRIP BLANK	Aqueous	04/22/2021	04/22/2021
004	OB-109	Aqueous	04/21/2021 1515	04/22/2021
005	RMW-1	Aqueous	04/21/2021 1555	04/22/2021
006	OB-109B	Aqueous	04/21/2021 1705	04/22/2021
007	BP-1B	Aqueous	04/22/2021 0825	04/22/2021
008	R1MW-28	Aqueous	04/22/2021 0915	04/22/2021
009	Dup-6	Aqueous	04/22/2021 0915	04/22/2021
010	R1MW-2S	Aqueous	04/22/2021 1015	04/22/2021
011	R1MW-22	Aqueous	04/21/2021 1525	04/22/2021
012	R1MW-6	Aqueous	04/21/2021 1710	04/22/2021
013	R1MW-16	Aqueous	04/21/2021 1635	04/22/2021
014	R1MW-15	Aqueous	04/21/2021 1600	04/22/2021
015	R1MW-20	Aqueous	04/22/2021 0820	04/22/2021
016	R1MW-30	Aqueous	04/22/2021 0905	04/22/2021
017	R1MW-21	Aqueous	04/22/2021 0945	04/22/2021
018	R1MW-4	Aqueous	04/22/2021 1035	04/22/2021
019	R1MW-27	Aqueous	04/22/2021 1200	04/22/2021
020	Dup-5	Aqueous	04/22/2021 0708	04/22/2021
021	R1MW-8	Aqueous	04/22/2021 1140	04/22/2021

(21 samples)

Detection Summary

CDM Smith

Lot Number: WD22087

Project Name: PSC-Rock Hill

Project Number:

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	Dup-7	Aqueous	Chlorobenzene	8260D	11		ug/L	6
001	Dup-7	Aqueous	1,1-Dichloroethane	8260D	17		ug/L	6
001	Dup-7	Aqueous	1,2-Dichloroethane	8260D	690		ug/L	6
001	Dup-7	Aqueous	1,1-Dichloroethene	8260D	16		ug/L	6
001	Dup-7	Aqueous	cis-1,2-Dichloroethene	8260D	340		ug/L	6
001	Dup-7	Aqueous	Tetrachloroethene	8260D	84		ug/L	6
001	Dup-7	Aqueous	Trichloroethene	8260D	67		ug/L	6
001	Dup-7	Aqueous	Vinyl chloride	8260D	16		ug/L	7
004	OB-109	Aqueous	cis-1,2-Dichloroethene	8260D	270		ug/L	12
004	OB-109	Aqueous	Trichloroethene	8260D	56		ug/L	12
004	OB-109	Aqueous	Vinyl chloride	8260D	5.1		ug/L	13
005	RMW-1	Aqueous	1,1-Dichloroethane	8260D	150		ug/L	14
005	RMW-1	Aqueous	1,2-Dichloroethane	8260D	140		ug/L	14
005	RMW-1	Aqueous	cis-1,2-Dichloroethene	8260D	3400		ug/L	14
005	RMW-1	Aqueous	Tetrachloroethene	8260D	3600		ug/L	14
005	RMW-1	Aqueous	Trichloroethene	8260D	6800		ug/L	14
006	OB-109B	Aqueous	cis-1,2-Dichloroethene	8260D	390		ug/L	16
006	OB-109B	Aqueous	Tetrachloroethene	8260D	1700		ug/L	16
006	OB-109B	Aqueous	Trichloroethene	8260D	220		ug/L	16
007	BP-1B	Aqueous	cis-1,2-Dichloroethene	8260D	3700		ug/L	18
007	BP-1B	Aqueous	Tetrachloroethene	8260D	570		ug/L	18
007	BP-1B	Aqueous	Trichloroethene	8260D	360		ug/L	18
008	R1MW-28	Aqueous	Chlorobenzene	8260D	2.1		ug/L	20
008	R1MW-28	Aqueous	1,2-Dichlorobenzene	8260D	1.0		ug/L	20
008	R1MW-28	Aqueous	1,2-Dichloroethane	8260D	1.9		ug/L	20
008	R1MW-28	Aqueous	cis-1,2-Dichloroethene	8260D	3.5		ug/L	20
008	R1MW-28	Aqueous	Vinyl chloride	8260D	1.9		ug/L	21
009	Dup-6	Aqueous	Chlorobenzene	8260D	2.1		ug/L	22
009	Dup-6	Aqueous	1,2-Dichlorobenzene	8260D	1.0		ug/L	22
009	Dup-6	Aqueous	1,2-Dichloroethane	8260D	1.9		ug/L	22
009	Dup-6	Aqueous	cis-1,2-Dichloroethene	8260D	3.4		ug/L	22
009	Dup-6	Aqueous	Vinyl chloride	8260D	1.8		ug/L	23
010	R1MW-2S	Aqueous	Chlorobenzene	8260D	21		ug/L	24
010	R1MW-2S	Aqueous	1,1-Dichloroethane	8260D	6.7		ug/L	24
010	R1MW-2S	Aqueous	1,2-Dichloroethane	8260D	190		ug/L	24
010	R1MW-2S	Aqueous	1,1-Dichloroethene	8260D	3.4		ug/L	24
010	R1MW-2S	Aqueous	cis-1,2-Dichloroethene	8260D	32		ug/L	24
010	R1MW-2S	Aqueous	Ethylbenzene	8260D	2.0		ug/L	24
010	R1MW-2S	Aqueous	Tetrachloroethene	8260D	2.9		ug/L	24
010	R1MW-2S	Aqueous	Trichloroethene	8260D	4.6		ug/L	24
010	R1MW-2S	Aqueous	Vinyl chloride	8260D	14		ug/L	25
012	R1MW-6	Aqueous	cis-1,2-Dichloroethene	8260D	120000		ug/L	28
012	R1MW-6	Aqueous	Trichloroethene	8260D	1300		ug/L	28

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
012	R1MW-6	Aqueous	Vinyl chloride	8260D	11000		ug/L	29
013	R1MW-16	Aqueous	cis-1,2-Dichloroethene	8260D	37000		ug/L	30
013	R1MW-16	Aqueous	Tetrachloroethene	8260D	17000		ug/L	30
013	R1MW-16	Aqueous	Trichloroethene	8260D	3900		ug/L	30
013	R1MW-16	Aqueous	Vinyl chloride	8260D	1100		ug/L	31
014	R1MW-15	Aqueous	cis-1,2-Dichloroethene	8260D	66		ug/L	32
014	R1MW-15	Aqueous	Trichloroethene	8260D	49		ug/L	32
018	R1MW-4	Aqueous	Benzene	8260D	6.5		ug/L	40
018	R1MW-4	Aqueous	Chlorobenzene	8260D	78		ug/L	40
018	R1MW-4	Aqueous	1,1-Dichloroethane	8260D	150		ug/L	40
018	R1MW-4	Aqueous	1,2-Dichloroethane	8260D	610		ug/L	40
018	R1MW-4	Aqueous	1,1-Dichloroethene	8260D	69		ug/L	40
018	R1MW-4	Aqueous	cis-1,2-Dichloroethene	8260D	1300		ug/L	40
018	R1MW-4	Aqueous	trans-1,2-Dichloroethene	8260D	7.6		ug/L	40
018	R1MW-4	Aqueous	Methylene chloride	8260D	8.5		ug/L	40
018	R1MW-4	Aqueous	Tetrachloroethene	8260D	380		ug/L	40
018	R1MW-4	Aqueous	Trichloroethene	8260D	580		ug/L	40
019	R1MW-27	Aqueous	Chlorobenzene	8260D	10		ug/L	42
019	R1MW-27	Aqueous	1,1-Dichloroethane	8260D	16		ug/L	42
019	R1MW-27	Aqueous	1,2-Dichloroethane	8260D	650		ug/L	42
019	R1MW-27	Aqueous	1,1-Dichloroethene	8260D	14		ug/L	42
019	R1MW-27	Aqueous	cis-1,2-Dichloroethene	8260D	280		ug/L	42
019	R1MW-27	Aqueous	Tetrachloroethene	8260D	81		ug/L	42
019	R1MW-27	Aqueous	Trichloroethene	8260D	64		ug/L	42
019	R1MW-27	Aqueous	Vinyl chloride	8260D	13		ug/L	43
021	R1MW-8	Aqueous	Chlorobenzene	8260D	1000		ug/L	46
021	R1MW-8	Aqueous	1,1-Dichloroethane	8260D	5200		ug/L	46
021	R1MW-8	Aqueous	1,1-Dichloroethene	8260D	6800		ug/L	46
021	R1MW-8	Aqueous	cis-1,2-Dichloroethene	8260D	2100		ug/L	46
021	R1MW-8	Aqueous	Ethylbenzene	8260D	5500		ug/L	46
021	R1MW-8	Aqueous	Tetrachloroethene	8260D	1800		ug/L	46
021	R1MW-8	Aqueous	Toluene	8260D	150000		ug/L	46
021	R1MW-8	Aqueous	1,1,1-Trichloroethane	8260D	71000		ug/L	46
021	R1MW-8	Aqueous	Trichloroethene	8260D	1100		ug/L	46
021	R1MW-8	Aqueous	Xylenes (total)	8260D	18000		ug/L	47

(78 detections)

Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-001
Description: Dup-7 | Matrix: Aqueous
Date Sampled: 04/22/2021 0708 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	5	04/29/2021 0450	DJG		90577
2	5030B	8260D	5	05/05/2021 1714	TML		91236

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		100	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		100	ug/L	1
Benzene	71-43-2	8260D	ND		5.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		5.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		5.0	ug/L	1
Bromoform	75-25-2	8260D	ND		5.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		10	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		50	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260D	11		5.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		10	ug/L	1
Chloroform	67-66-3	8260D	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		5.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		5.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		5.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		5.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		10	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		5.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		5.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	17		5.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	690		5.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	16		5.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	340		5.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		5.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		5.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		5.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		5.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		50	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		25	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		50	ug/L	1
Methylene chloride	75-09-2	8260D	ND		5.0	ug/L	1
Styrene	100-42-5	8260D	ND		5.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		5.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		5.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	84		5.0	ug/L	1
Toluene	108-88-3	8260D	ND		5.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		5.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		5.0	ug/L	1
Trichloroethene	79-01-6	8260D	67		5.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		5.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-001
Description: Dup-7 | Matrix: Aqueous
Date Sampled: 04/22/2021 0708 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	5	04/29/2021 0450	DJG		90577
2	5030B	8260D	5	05/05/2021 1714	TML		91236

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		5.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		25	ug/L	1
Vinyl chloride	75-01-4	8260D	16		5.0	ug/L	2
Xylenes (total)	1330-20-7	8260D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		108	70-130		101	70-130
1,2-Dichloroethane-d4		90	70-130		105	70-130
Toluene-d8		96	70-130		107	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-002
Description: EQ BLANK | Matrix: Aqueous
Date Sampled: 04/21/2021 1725 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0221	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
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B = Detected in the method blank
N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-002
Description: EQ BLANK | Matrix: Aqueous
Date Sampled: 04/21/2021 1725 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0221	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		99	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
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E = Quantitation of compound exceeded the calibration range
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-003
Description: TRIP BLANK | Matrix: Aqueous
Date Sampled: 04/22/2021 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0156	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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Volatile Organic Compounds by GC/MS

Client: CDM Smith			Laboratory ID: WD22087-003
Description: TRIP BLANK			Matrix: Aqueous
Date Sampled: 04/22/2021	Project Name: PSC-Rock Hill		
Date Received: 04/22/2021	Project Number:		

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0156	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		113	70-130
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		99	70-130

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	Q = Surrogate failure
ND = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis		S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-004
Description: OB-109 | Matrix: Aqueous
Date Sampled: 04/21/2021 1515 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	5	04/29/2021 0515	DJG		90577
2	5030B	8260D	5	05/05/2021 1738	TML		91236

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		100	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		100	ug/L	1
Benzene	71-43-2	8260D	ND		5.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		5.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		5.0	ug/L	1
Bromoform	75-25-2	8260D	ND		5.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND	S	10	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		50	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		5.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		10	ug/L	1
Chloroform	67-66-3	8260D	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		5.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		5.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		5.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		5.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND	S	10	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		5.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		5.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		5.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		5.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		5.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	270		5.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		5.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		5.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		5.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		5.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		50	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		25	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		50	ug/L	1
Methylene chloride	75-09-2	8260D	ND		5.0	ug/L	1
Styrene	100-42-5	8260D	ND		5.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		5.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		5.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		5.0	ug/L	1
Toluene	108-88-3	8260D	ND		5.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		5.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		5.0	ug/L	1
Trichloroethene	79-01-6	8260D	56		5.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		5.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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Volatile Organic Compounds by GC/MS

Client: CDM Smith
Laboratory ID: WD22087-004
Description: OB-109
Matrix: Aqueous
Date Sampled: 04/21/2021 1515
Project Name: PSC-Rock Hill
Date Received: 04/22/2021
Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	5	04/29/2021 0515	DJG		90577
2	5030B	8260D	5	05/05/2021 1738	TML		91236

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		5.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		25	ug/L	1
Vinyl chloride	75-01-4	8260D	5.1		5.0	ug/L	2
Xylenes (total)	1330-20-7	8260D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		105	70-130		100	70-130
1,2-Dichloroethane-d4		89	70-130		103	70-130
Toluene-d8		96	70-130		107	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith		Laboratory ID: WD22087-005	
Description: RMW-1		Matrix: Aqueous	
Date Sampled: 04/21/2021 1555	Project Name: PSC-Rock Hill		
Date Received: 04/22/2021	Project Number:		

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	100	04/29/2021 0654	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		2000	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		2000	ug/L	1
Benzene	71-43-2	8260D	ND		100	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		100	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		100	ug/L	1
Bromoform	75-25-2	8260D	ND		100	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		200	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		1000	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		100	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		100	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		100	ug/L	1
Chloroethane	75-00-3	8260D	ND		200	ug/L	1
Chloroform	67-66-3	8260D	ND		100	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		100	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		100	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		100	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		100	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		100	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		200	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		100	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		100	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	150		100	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	140		100	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		100	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	3400		100	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		100	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		100	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		100	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		100	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		100	ug/L	1
2-Hexanone	591-78-6	8260D	ND		1000	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		500	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		1000	ug/L	1
Methylene chloride	75-09-2	8260D	ND		100	ug/L	1
Styrene	100-42-5	8260D	ND		100	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		100	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		100	ug/L	1
Tetrachloroethene	127-18-4	8260D	3600		100	ug/L	1
Toluene	108-88-3	8260D	ND		100	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		100	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		100	ug/L	1
Trichloroethene	79-01-6	8260D	6800		100	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		100	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		100	ug/L	1

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	Q = Surrogate failure
ND = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis		S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-005
Description: RMW-1 | Matrix: Aqueous
Date Sampled: 04/21/2021 1555 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	100	04/29/2021 0654	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		500	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		100	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		100	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		86	70-130
Toluene-d8		93	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-006
Description: OB-109B | Matrix: Aqueous
Date Sampled: 04/21/2021 1705 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	20	04/29/2021 0605	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		400	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		400	ug/L	1
Benzene	71-43-2	8260D	ND		20	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		20	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		20	ug/L	1
Bromoform	75-25-2	8260D	ND		20	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		40	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		200	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		20	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		20	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		20	ug/L	1
Chloroethane	75-00-3	8260D	ND		40	ug/L	1
Chloroform	67-66-3	8260D	ND		20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		20	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		20	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		20	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		20	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		20	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		40	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		20	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		20	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		20	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		20	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		20	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	390		20	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		20	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		20	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		20	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		20	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		20	ug/L	1
2-Hexanone	591-78-6	8260D	ND		200	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		100	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		200	ug/L	1
Methylene chloride	75-09-2	8260D	ND		20	ug/L	1
Styrene	100-42-5	8260D	ND		20	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		20	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		20	ug/L	1
Tetrachloroethene	127-18-4	8260D	1700		20	ug/L	1
Toluene	108-88-3	8260D	ND		20	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		20	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		20	ug/L	1
Trichloroethene	79-01-6	8260D	220		20	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		20	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		20	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-006
Description: OB-109B | Matrix: Aqueous
Date Sampled: 04/21/2021 1705 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	20	04/29/2021 0605	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		100	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		20	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		20	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		96	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-007
Description: BP-1B | Matrix: Aqueous
Date Sampled: 04/22/2021 0825 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	50	04/29/2021 0629	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		1000	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		1000	ug/L	1
Benzene	71-43-2	8260D	ND		50	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		50	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		50	ug/L	1
Bromoform	75-25-2	8260D	ND		50	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		100	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		500	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		50	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		50	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		50	ug/L	1
Chloroethane	75-00-3	8260D	ND		100	ug/L	1
Chloroform	67-66-3	8260D	ND		50	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		50	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		50	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		50	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		50	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		50	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		100	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		50	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		50	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		50	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		50	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		50	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	3700		50	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		50	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		50	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		50	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		50	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		50	ug/L	1
2-Hexanone	591-78-6	8260D	ND		500	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		250	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		500	ug/L	1
Methylene chloride	75-09-2	8260D	ND		50	ug/L	1
Styrene	100-42-5	8260D	ND		50	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		50	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		50	ug/L	1
Tetrachloroethene	127-18-4	8260D	570		50	ug/L	1
Toluene	108-88-3	8260D	ND		50	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		50	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		50	ug/L	1
Trichloroethene	79-01-6	8260D	360		50	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		50	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		50	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-007
Description: BP-1B | Matrix: Aqueous
Date Sampled: 04/22/2021 0825 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	50	04/29/2021 0629	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		250	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		50	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		50	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		109	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		97	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-008
Description: R1MW-28 | Matrix: Aqueous
Date Sampled: 04/22/2021 0915 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0246	DJG		90577
2	5030B	8260D	1	05/05/2021 1205	TML		91236

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	2.1		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	1.0		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	1.9		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	3.5		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
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B = Detected in the method blank
N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-008
Description: R1MW-28 | Matrix: Aqueous
Date Sampled: 04/22/2021 0915 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0246	DJG		90577
2	5030B	8260D	1	05/05/2021 1205	TML		91236

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	1.9		1.0	ug/L	2
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		110	70-130		102	70-130
1,2-Dichloroethane-d4		92	70-130		102	70-130
Toluene-d8		99	70-130		107	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-009
Description: Dup-6 | Matrix: Aqueous
Date Sampled: 04/22/2021 0915 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0311	DJG		90577
2	5030B	8260D	1	05/06/2021 0058	CJL2		91323

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	2.1		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	1.0		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	1.9		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	3.4		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith
Laboratory ID: WD22087-009
Description: Dup-6
Matrix: Aqueous
Date Sampled: 04/22/2021 0915
Project Name: PSC-Rock Hill
Date Received: 04/22/2021
Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0311	DJG		90577
2	5030B	8260D	1	05/06/2021 0058	CJL2		91323

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	1.8		1.0	ug/L	2
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Run 1 Q	Run 1 % Recovery	Run 1 Acceptance Limits	Run 2 Q	Run 2 % Recovery	Run 2 Acceptance Limits
Bromofluorobenzene		107	70-130		102	70-130
1,2-Dichloroethane-d4		88	70-130		102	70-130
Toluene-d8		95	70-130		101	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-010
Description: R1MW-2S | Matrix: Aqueous
Date Sampled: 04/22/2021 1015 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0336	DJG		90577
2	5030B	8260D	1	05/06/2021 0121	CJL2		91323

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	21		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	6.7		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	190		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	3.4		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	32		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	2.0		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	2.9		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	4.6		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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Volatile Organic Compounds by GC/MS

Client: CDM Smith
Laboratory ID: WD22087-010
Description: R1MW-2S
Matrix: Aqueous
Date Sampled: 04/22/2021 1015
Project Name: PSC-Rock Hill
Date Received: 04/22/2021
Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0336	DJG		90577
2	5030B	8260D	1	05/06/2021 0121	CJL2		91323

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	14		1.0	ug/L	2
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		107	70-130		107	70-130
1,2-Dichloroethane-d4		90	70-130		105	70-130
Toluene-d8		97	70-130		103	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-011
Description: R1MW-22 | Matrix: Aqueous
Date Sampled: 04/21/2021 1525 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0401	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-011
Description: R1MW-22 | Matrix: Aqueous
Date Sampled: 04/21/2021 1525 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0401	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		106	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		95	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-012
Description: R1MW-6 | Matrix: Aqueous
Date Sampled: 04/21/2021 1710 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1000	05/05/2021 0923	CJL2		91165

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20000	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20000	ug/L	1
Benzene	71-43-2	8260D	ND		1000	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1000	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1000	ug/L	1
Bromoform	75-25-2	8260D	ND		1000	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2000	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10000	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1000	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1000	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1000	ug/L	1
Chloroethane	75-00-3	8260D	ND		2000	ug/L	1
Chloroform	67-66-3	8260D	ND		1000	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1000	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1000	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1000	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1000	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1000	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2000	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1000	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1000	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1000	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1000	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1000	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	120000		1000	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1000	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1000	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1000	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1000	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1000	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10000	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5000	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10000	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1000	ug/L	1
Styrene	100-42-5	8260D	ND		1000	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1000	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1000	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1000	ug/L	1
Toluene	108-88-3	8260D	ND		1000	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1000	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1000	ug/L	1
Trichloroethene	79-01-6	8260D	1300		1000	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1000	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1000	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-012
Description: R1MW-6 | Matrix: Aqueous
Date Sampled: 04/21/2021 1710 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1000	05/05/2021 0923	CJL2		91165

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5000	ug/L	1
Vinyl chloride	75-01-4	8260D	11000		1000	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1000	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		101	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		107	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-013
Description: R1MW-16 | Matrix: Aqueous
Date Sampled: 04/21/2021 1635 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	500	05/05/2021 0858	CJL2		91165

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		10000	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		10000	ug/L	1
Benzene	71-43-2	8260D	ND		500	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		500	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		500	ug/L	1
Bromoform	75-25-2	8260D	ND		500	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		1000	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		5000	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		500	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		500	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		500	ug/L	1
Chloroethane	75-00-3	8260D	ND		1000	ug/L	1
Chloroform	67-66-3	8260D	ND		500	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		500	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		500	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		500	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		500	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		500	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		1000	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		500	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		500	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		500	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		500	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		500	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	37000		500	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		500	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		500	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		500	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		500	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		500	ug/L	1
2-Hexanone	591-78-6	8260D	ND		5000	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		2500	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		5000	ug/L	1
Methylene chloride	75-09-2	8260D	ND		500	ug/L	1
Styrene	100-42-5	8260D	ND		500	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		500	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		500	ug/L	1
Tetrachloroethene	127-18-4	8260D	17000		500	ug/L	1
Toluene	108-88-3	8260D	ND		500	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		500	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		500	ug/L	1
Trichloroethene	79-01-6	8260D	3900		500	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		500	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		500	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-013
Description: R1MW-16 | Matrix: Aqueous
Date Sampled: 04/21/2021 1635 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	500	05/05/2021 0858	CJL2		91165

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		2500	ug/L	1
Vinyl chloride	75-01-4	8260D	1100		500	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		500	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		110	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith		Laboratory ID: WD22087-014	
Description: R1MW-15		Matrix: Aqueous	
Date Sampled: 04/21/2021 1600	Project Name: PSC-Rock Hill		
Date Received: 04/22/2021	Project Number:		

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0425	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	66		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	49		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	Q = Surrogate failure
ND = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis		S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-014
Description: R1MW-15 | Matrix: Aqueous
Date Sampled: 04/21/2021 1600 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	04/29/2021 0425	DJG		90577

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		97	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-015
Description: R1MW-20 | Matrix: Aqueous
Date Sampled: 04/22/2021 0820 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/05/2021 0654	CJL2		91165

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-015
Description: R1MW-20 | Matrix: Aqueous
Date Sampled: 04/22/2021 0820 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/05/2021 0654	CJL2		91165

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		107	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-016
Description: R1MW-30 | Matrix: Aqueous
Date Sampled: 04/22/2021 0905 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/05/2021 0719	CJL2		91165

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-016
Description: R1MW-30 | Matrix: Aqueous
Date Sampled: 04/22/2021 0905 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/05/2021 0719	CJL2		91165

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		106	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-017
Description: R1MW-21 | Matrix: Aqueous
Date Sampled: 04/22/2021 0945 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/05/2021 0744	CJL2		91165

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
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B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-017
Description: R1MW-21 | Matrix: Aqueous
Date Sampled: 04/22/2021 0945 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/05/2021 0744	CJL2		91165

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		105	70-130
Toluene-d8		110	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-018
Description: R1MW-4 | Matrix: Aqueous
Date Sampled: 04/22/2021 1035 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	5	05/05/2021 0758	JDF		91166
2	5030B	8260D	20	05/06/2021 0528	CJL2		91323

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		100	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		100	ug/L	1
Benzene	71-43-2	8260D	6.5		5.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		5.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		5.0	ug/L	1
Bromoform	75-25-2	8260D	ND		5.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND	S	10	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		50	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260D	78		5.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		10	ug/L	1
Chloroform	67-66-3	8260D	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		5.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		5.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		5.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		5.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND	S	10	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		20	ug/L	2
1,4-Dichlorobenzene	106-46-7	8260D	ND		5.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	150		5.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	610		5.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	69		5.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	1300		20	ug/L	2
trans-1,2-Dichloroethene	156-60-5	8260D	7.6		5.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		5.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		5.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		5.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		50	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		25	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		50	ug/L	1
Methylene chloride	75-09-2	8260D	8.5		5.0	ug/L	1
Styrene	100-42-5	8260D	ND		5.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		5.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		5.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	380		5.0	ug/L	1
Toluene	108-88-3	8260D	ND		5.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		5.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		5.0	ug/L	1
Trichloroethene	79-01-6	8260D	580		5.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		5.0	ug/L	1

LOQ = Limit of Quantitation
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N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-018
Description: R1MW-4 | Matrix: Aqueous
Date Sampled: 04/22/2021 1035 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	5	05/05/2021 0758	JDF		91166
2	5030B	8260D	20	05/06/2021 0528	CJL2		91323

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		5.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		25	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		20	ug/L	2
Xylenes (total)	1330-20-7	8260D	ND		5.0	ug/L	1

Surrogate	Run 1 Q	Run 1 % Recovery	Run 1 Acceptance Limits	Run 2 Q	Run 2 % Recovery	Run 2 Acceptance Limits
Bromofluorobenzene		100	70-130		97	70-130
1,2-Dichloroethane-d4		82	70-130		103	70-130
Toluene-d8		91	70-130		102	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-019
Description: R1MW-27 | Matrix: Aqueous
Date Sampled: 04/22/2021 1200 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	5	05/06/2021 0430	CJL2		91324

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		100	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		100	ug/L	1
Benzene	71-43-2	8260D	ND		5.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		5.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		5.0	ug/L	1
Bromoform	75-25-2	8260D	ND		5.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		10	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		50	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260D	10		5.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		10	ug/L	1
Chloroform	67-66-3	8260D	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		5.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		5.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		5.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		5.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		10	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		5.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		5.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	16		5.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	650		5.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	14		5.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	280		5.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		5.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		5.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		5.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		5.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		50	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		25	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		50	ug/L	1
Methylene chloride	75-09-2	8260D	ND		5.0	ug/L	1
Styrene	100-42-5	8260D	ND		5.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		5.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		5.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	81		5.0	ug/L	1
Toluene	108-88-3	8260D	ND		5.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		5.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		5.0	ug/L	1
Trichloroethene	79-01-6	8260D	64		5.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		5.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		5.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-019
Description: R1MW-27 | Matrix: Aqueous
Date Sampled: 04/22/2021 1200 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	5	05/06/2021 0430	CJL2		91324

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		25	ug/L	1
Vinyl chloride	75-01-4	8260D	13		5.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		103	70-130
Toluene-d8		106	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-020
Description: Dup-5 | Matrix: Aqueous
Date Sampled: 04/22/2021 0708 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/06/2021 0135	CJL2		91324

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-020
Description: Dup-5 | Matrix: Aqueous
Date Sampled: 04/22/2021 0708 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/06/2021 0135	CJL2		91324

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		106	70-130
Toluene-d8		110	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-021
Description: R1MW-8 | Matrix: Aqueous
Date Sampled: 04/22/2021 1140 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1000	05/06/2021 0608	CJL2		91324

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20000	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20000	ug/L	1
Benzene	71-43-2	8260D	ND		1000	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1000	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1000	ug/L	1
Bromoform	75-25-2	8260D	ND		1000	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2000	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10000	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1000	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1000	ug/L	1
Chlorobenzene	108-90-7	8260D	1000		1000	ug/L	1
Chloroethane	75-00-3	8260D	ND		2000	ug/L	1
Chloroform	67-66-3	8260D	ND		1000	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1000	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1000	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1000	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1000	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1000	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2000	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1000	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1000	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	5200		1000	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1000	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	6800		1000	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	2100		1000	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1000	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1000	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1000	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1000	ug/L	1
Ethylbenzene	100-41-4	8260D	5500		1000	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10000	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5000	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10000	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1000	ug/L	1
Styrene	100-42-5	8260D	ND		1000	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1000	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1000	ug/L	1
Tetrachloroethene	127-18-4	8260D	1800		1000	ug/L	1
Toluene	108-88-3	8260D	150000		1000	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	71000		1000	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1000	ug/L	1
Trichloroethene	79-01-6	8260D	1100		1000	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1000	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1000	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22087-021
Description: R1MW-8 | Matrix: Aqueous
Date Sampled: 04/22/2021 1140 | Project Name: PSC-Rock Hill
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1000	05/06/2021 0608	CJL2		91324

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5000	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1000	ug/L	1
Xylenes (total)	1330-20-7	8260D	18000		1000	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		108	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		110	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ90577-001
Batch: 90577
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	04/28/2021 2220
Acrylonitrile	ND		1	20	ug/L	04/28/2021 2220
Benzene	ND		1	1.0	ug/L	04/28/2021 2220
Bromochloromethane	ND		1	1.0	ug/L	04/28/2021 2220
Bromodichloromethane	ND		1	1.0	ug/L	04/28/2021 2220
Bromoform	ND		1	1.0	ug/L	04/28/2021 2220
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	04/28/2021 2220
2-Butanone (MEK)	ND		1	10	ug/L	04/28/2021 2220
Carbon disulfide	ND		1	1.0	ug/L	04/28/2021 2220
Carbon tetrachloride	ND		1	1.0	ug/L	04/28/2021 2220
Chlorobenzene	ND		1	1.0	ug/L	04/28/2021 2220
Chloroethane	ND		1	2.0	ug/L	04/28/2021 2220
Chloroform	ND		1	1.0	ug/L	04/28/2021 2220
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	04/28/2021 2220
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	04/28/2021 2220
Dibromochloromethane	ND		1	1.0	ug/L	04/28/2021 2220
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	04/28/2021 2220
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	04/28/2021 2220
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	04/28/2021 2220
1,2-Dichlorobenzene	ND		1	1.0	ug/L	04/28/2021 2220
1,4-Dichlorobenzene	ND		1	1.0	ug/L	04/28/2021 2220
1,1-Dichloroethane	ND		1	1.0	ug/L	04/28/2021 2220
1,2-Dichloroethane	ND		1	1.0	ug/L	04/28/2021 2220
1,1-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 2220
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 2220
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	04/28/2021 2220
1,2-Dichloropropane	ND		1	1.0	ug/L	04/28/2021 2220
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	04/28/2021 2220
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	04/28/2021 2220
Ethylbenzene	ND		1	1.0	ug/L	04/28/2021 2220
2-Hexanone	ND		1	10	ug/L	04/28/2021 2220
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	04/28/2021 2220
4-Methyl-2-pentanone	ND		1	10	ug/L	04/28/2021 2220
Methylene chloride	ND		1	1.0	ug/L	04/28/2021 2220
Styrene	ND		1	1.0	ug/L	04/28/2021 2220
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	04/28/2021 2220
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	04/28/2021 2220
Tetrachloroethene	ND		1	1.0	ug/L	04/28/2021 2220
Toluene	ND		1	1.0	ug/L	04/28/2021 2220
1,1,1-Trichloroethane	ND		1	1.0	ug/L	04/28/2021 2220
1,1,2-Trichloroethane	ND		1	1.0	ug/L	04/28/2021 2220
Trichloroethene	ND		1	1.0	ug/L	04/28/2021 2220
Trichlorofluoromethane	ND		1	1.0	ug/L	04/28/2021 2220
1,2,3-Trichloropropane	ND		1	1.0	ug/L	04/28/2021 2220

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ90577-001
Batch: 90577
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Vinyl acetate	ND		1	5.0	ug/L	04/28/2021 2220
Vinyl chloride	ND		1	1.0	ug/L	04/28/2021 2220
Xylenes (total)	ND		1	1.0	ug/L	04/28/2021 2220

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		89	70-130
Toluene-d8		96	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ90577-002
Batch: 90577
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	90		1	90	60-140	04/28/2021 2130
Acrylonitrile	100	100		1	101	70-130	04/28/2021 2130
Benzene	50	50		1	100	70-130	04/28/2021 2130
Bromochloromethane	50	48		1	96	70-130	04/28/2021 2130
Bromodichloromethane	50	45		1	90	70-130	04/28/2021 2130
Bromoform	50	43		1	85	70-130	04/28/2021 2130
Bromomethane (Methyl bromide)	50	60		1	121	70-130	04/28/2021 2130
2-Butanone (MEK)	100	93		1	93	70-130	04/28/2021 2130
Carbon disulfide	50	47		1	93	70-130	04/28/2021 2130
Carbon tetrachloride	50	46		1	91	70-130	04/28/2021 2130
Chlorobenzene	50	49		1	99	70-130	04/28/2021 2130
Chloroethane	50	54		1	107	70-130	04/28/2021 2130
Chloroform	50	46		1	92	70-130	04/28/2021 2130
Chloromethane (Methyl chloride)	50	55		1	110	60-140	04/28/2021 2130
1,2-Dibromo-3-chloropropane (DBCP)	50	36		1	72	70-130	04/28/2021 2130
Dibromochloromethane	50	44		1	88	70-130	04/28/2021 2130
1,2-Dibromoethane (EDB)	50	48		1	95	70-130	04/28/2021 2130
Dibromomethane (Methylene bromide)	50	49		1	98	70-130	04/28/2021 2130
trans-1,4-Dichloro-2-butene	50	36		1	72	70-130	04/28/2021 2130
1,2-Dichlorobenzene	50	48		1	96	70-130	04/28/2021 2130
1,4-Dichlorobenzene	50	47		1	94	70-130	04/28/2021 2130
1,1-Dichloroethane	50	46		1	92	70-130	04/28/2021 2130
1,2-Dichloroethane	50	46		1	91	70-130	04/28/2021 2130
1,1-Dichloroethene	50	49		1	99	70-130	04/28/2021 2130
cis-1,2-Dichloroethene	50	49		1	97	70-130	04/28/2021 2130
trans-1,2-Dichloroethene	50	51		1	101	70-130	04/28/2021 2130
1,2-Dichloropropane	50	48		1	95	70-130	04/28/2021 2130
cis-1,3-Dichloropropene	50	45		1	89	70-130	04/28/2021 2130
trans-1,3-Dichloropropene	50	42		1	84	70-130	04/28/2021 2130
Ethylbenzene	50	48		1	97	70-130	04/28/2021 2130
2-Hexanone	100	92		1	92	70-130	04/28/2021 2130
Methyl iodide (Iodomethane)	50	51		1	101	70-130	04/28/2021 2130
4-Methyl-2-pentanone	100	91		1	91	70-130	04/28/2021 2130
Methylene chloride	50	49		1	98	70-130	04/28/2021 2130
Styrene	50	49		1	99	70-130	04/28/2021 2130
1,1,1,2-Tetrachloroethane	50	45		1	91	70-130	04/28/2021 2130
1,1,2,2-Tetrachloroethane	50	46		1	92	70-130	04/28/2021 2130
Tetrachloroethene	50	48		1	96	70-130	04/28/2021 2130
Toluene	50	47		1	94	70-130	04/28/2021 2130
1,1,1-Trichloroethane	50	45		1	91	70-130	04/28/2021 2130
1,1,2-Trichloroethane	50	49		1	99	70-130	04/28/2021 2130
Trichloroethene	50	50		1	99	70-130	04/28/2021 2130
Trichlorofluoromethane	50	49		1	98	70-130	04/28/2021 2130
1,2,3-Trichloropropane	50	46		1	92	70-130	04/28/2021 2130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ90577-002
Batch: 90577
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl acetate	50	47		1	95	60-140	04/28/2021 2130
Vinyl chloride	50	63		1	127	70-130	04/28/2021 2130
Xylenes (total)	100	96		1	96	70-130	04/28/2021 2130

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		95	70-130
Toluene-d8		96	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: WD22087-004MS
Batch: 90577
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	ND	500	400		5	80	60-140	04/29/2021 0719
Acrylonitrile	ND	500	510		5	102	70-122	04/29/2021 0719
Benzene	ND	250	250		5	101	70-130	04/29/2021 0719
Bromochloromethane	ND	250	250		5	101	70-130	04/29/2021 0719
Bromodichloromethane	ND	250	220		5	87	70-130	04/29/2021 0719
Bromoform	ND	250	190		5	76	70-130	04/29/2021 0719
Bromomethane (Methyl bromide)	ND	250	330	N	5	133	70-130	04/29/2021 0719
2-Butanone (MEK)	ND	500	470		5	94	70-130	04/29/2021 0719
Carbon disulfide	ND	250	230		5	91	70-130	04/29/2021 0719
Carbon tetrachloride	ND	250	240		5	96	70-130	04/29/2021 0719
Chlorobenzene	ND	250	250		5	98	70-130	04/29/2021 0719
Chloroethane	ND	250	290		5	115	70-130	04/29/2021 0719
Chloroform	ND	250	240		5	96	70-130	04/29/2021 0719
Chloromethane (Methyl chloride)	ND	250	320		5	129	60-140	04/29/2021 0719
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	180		5	73	70-130	04/29/2021 0719
Dibromochloromethane	ND	250	210		5	83	70-130	04/29/2021 0719
1,2-Dibromoethane (EDB)	ND	250	230		5	91	70-130	04/29/2021 0719
Dibromomethane (Methylene bromide)	ND	250	240		5	96	70-130	04/29/2021 0719
trans-1,4-Dichloro-2-butene	ND	250	150	N	5	62	70-130	04/29/2021 0719
1,2-Dichlorobenzene	ND	250	240		5	95	70-130	04/29/2021 0719
1,4-Dichlorobenzene	ND	250	230		5	92	70-130	04/29/2021 0719
1,1-Dichloroethane	ND	250	250		5	99	70-130	04/29/2021 0719
1,2-Dichloroethane	ND	250	220		5	89	70-130	04/29/2021 0719
1,1-Dichloroethene	ND	250	260		5	104	70-130	04/29/2021 0719
cis-1,2-Dichloroethene	270	250	510		5	96	70-130	04/29/2021 0719
trans-1,2-Dichloroethene	ND	250	270		5	108	70-130	04/29/2021 0719
1,2-Dichloropropane	ND	250	230		5	92	70-130	04/29/2021 0719
cis-1,3-Dichloropropene	ND	250	210		5	83	70-130	04/29/2021 0719
trans-1,3-Dichloropropene	ND	250	190		5	75	70-130	04/29/2021 0719
Ethylbenzene	ND	250	240		5	96	70-130	04/29/2021 0719
2-Hexanone	ND	500	420		5	83	70-130	04/29/2021 0719
Methyl iodide (Iodomethane)	ND	250	240		5	96	70-130	04/29/2021 0719
4-Methyl-2-pentanone	ND	500	420		5	85	70-130	04/29/2021 0719
Methylene chloride	ND	250	250		5	100	70-130	04/29/2021 0719
Styrene	ND	250	240		5	95	70-130	04/29/2021 0719
1,1,1,2-Tetrachloroethane	ND	250	220		5	86	70-130	04/29/2021 0719
1,1,2,2-Tetrachloroethane	ND	250	230		5	91	70-130	04/29/2021 0719
Tetrachloroethene	ND	250	250		5	99	70-130	04/29/2021 0719
Toluene	ND	250	240		5	94	70-130	04/29/2021 0719
1,1,1-Trichloroethane	ND	250	240		5	94	70-130	04/29/2021 0719
1,1,2-Trichloroethane	ND	250	230		5	93	70-130	04/29/2021 0719
Trichloroethene	56	250	310		5	100	70-130	04/29/2021 0719
Trichlorofluoromethane	ND	250	270		5	107	70-130	04/29/2021 0719
1,2,3-Trichloropropane	ND	250	230		5	90	70-130	04/29/2021 0719

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: WD22087-004MS
Batch: 90577
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl acetate	ND	250	210		5	83	60-140	04/29/2021 0719
Vinyl chloride	7.7	250	350	N	5	138	70-130	04/29/2021 0719
Xylenes (total)	ND	500	470		5	94	70-130	04/29/2021 0719

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		97	70-130
Toluene-d8		100	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: WD22087-004MD
Batch: 90577
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	500	420		5	84	5.1	60-140	20	04/29/2021 0744
Acrylonitrile	ND	500	510		5	102	0.071	70-122	20	04/29/2021 0744
Benzene	ND	250	260		5	103	2.3	70-130	20	04/29/2021 0744
Bromochloromethane	ND	250	250		5	102	1.1	70-130	20	04/29/2021 0744
Bromodichloromethane	ND	250	220		5	89	2.3	70-130	20	04/29/2021 0744
Bromoform	ND	250	200		5	80	4.8	70-130	20	04/29/2021 0744
Bromomethane (Methyl bromide)	ND	250	350	N	5	139	4.3	70-130	20	04/29/2021 0744
2-Butanone (MEK)	ND	500	470		5	94	0.23	70-130	20	04/29/2021 0744
Carbon disulfide	ND	250	240		5	96	4.8	70-130	20	04/29/2021 0744
Carbon tetrachloride	ND	250	250		5	98	1.8	70-130	20	04/29/2021 0744
Chlorobenzene	ND	250	250		5	101	3.1	70-130	20	04/29/2021 0744
Chloroethane	ND	250	280		5	113	1.4	70-130	20	04/29/2021 0744
Chloroform	ND	250	250		5	98	1.7	70-130	20	04/29/2021 0744
Chloromethane (Methyl chloride)	ND	250	340		5	134	4.0	60-140	20	04/29/2021 0744
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	190		5	78	6.1	70-130	20	04/29/2021 0744
Dibromochloromethane	ND	250	210		5	86	3.6	70-130	20	04/29/2021 0744
1,2-Dibromoethane (EDB)	ND	250	240		5	95	4.4	70-130	20	04/29/2021 0744
Dibromomethane (Methylene bromide)	ND	250	240		5	97	0.89	70-130	20	04/29/2021 0744
trans-1,4-Dichloro-2-butene	ND	250	170	N	5	67	8.4	70-130	20	04/29/2021 0744
1,2-Dichlorobenzene	ND	250	250		5	99	4.6	70-130	20	04/29/2021 0744
1,4-Dichlorobenzene	ND	250	240		5	97	5.5	70-130	20	04/29/2021 0744
1,1-Dichloroethane	ND	250	250		5	100	1.8	70-130	20	04/29/2021 0744
1,2-Dichloroethane	ND	250	230		5	91	1.5	70-130	20	04/29/2021 0744
1,1-Dichloroethene	ND	250	270		5	107	2.4	70-130	20	04/29/2021 0744
cis-1,2-Dichloroethene	270	250	520		5	103	3.6	70-130	20	04/29/2021 0744
trans-1,2-Dichloroethene	ND	250	280		5	110	2.1	70-130	20	04/29/2021 0744
1,2-Dichloropropane	ND	250	240		5	94	2.5	70-130	20	04/29/2021 0744
cis-1,3-Dichloropropene	ND	250	210		5	84	1.6	70-130	20	04/29/2021 0744
trans-1,3-Dichloropropene	ND	250	200		5	79	5.7	70-130	20	04/29/2021 0744
Ethylbenzene	ND	250	250		5	98	2.3	70-130	20	04/29/2021 0744
2-Hexanone	ND	500	430		5	86	3.7	70-130	20	04/29/2021 0744
Methyl iodide (Iodomethane)	ND	250	250		5	100	3.6	70-130	20	04/29/2021 0744
4-Methyl-2-pentanone	ND	500	430		5	86	0.91	70-130	20	04/29/2021 0744
Methylene chloride	ND	250	260		5	103	2.9	70-130	20	04/29/2021 0744
Styrene	ND	250	240		5	97	2.4	70-130	20	04/29/2021 0744
1,1,1,2-Tetrachloroethane	ND	250	230		5	91	5.1	70-130	20	04/29/2021 0744
1,1,2,2-Tetrachloroethane	ND	250	240		5	97	5.5	70-130	20	04/29/2021 0744
Tetrachloroethene	ND	250	260		5	102	3.5	70-130	20	04/29/2021 0744
Toluene	ND	250	240		5	97	2.9	70-130	20	04/29/2021 0744
1,1,1-Trichloroethane	ND	250	240		5	97	2.6	70-130	20	04/29/2021 0744
1,1,2-Trichloroethane	ND	250	240		5	98	5.0	70-130	20	04/29/2021 0744
Trichloroethene	56	250	310		5	101	1.3	70-130	20	04/29/2021 0744
Trichlorofluoromethane	ND	250	290		5	114	6.0	70-130	20	04/29/2021 0744
1,2,3-Trichloropropane	ND	250	240		5	94	4.5	70-130	20	04/29/2021 0744

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: WD22087-004MD
Batch: 90577
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Vinyl acetate	ND	250	230		5	91	8.4	60-140	20	04/29/2021 0744
Vinyl chloride	7.7	250	370	N	5	145	5.1	70-130	20	04/29/2021 0744
Xylenes (total)	ND	500	490		5	97	3.2	70-130	20	04/29/2021 0744

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		98	70-130
Toluene-d8		102	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ91165-001
Batch: 91165
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	05/05/2021 0038
Acrylonitrile	ND		1	20	ug/L	05/05/2021 0038
Benzene	ND		1	1.0	ug/L	05/05/2021 0038
Bromochloromethane	ND		1	1.0	ug/L	05/05/2021 0038
Bromodichloromethane	ND		1	1.0	ug/L	05/05/2021 0038
Bromoform	ND		1	1.0	ug/L	05/05/2021 0038
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	05/05/2021 0038
2-Butanone (MEK)	ND		1	10	ug/L	05/05/2021 0038
Carbon disulfide	ND		1	1.0	ug/L	05/05/2021 0038
Carbon tetrachloride	ND		1	1.0	ug/L	05/05/2021 0038
Chlorobenzene	ND		1	1.0	ug/L	05/05/2021 0038
Chloroethane	ND		1	2.0	ug/L	05/05/2021 0038
Chloroform	ND		1	1.0	ug/L	05/05/2021 0038
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	05/05/2021 0038
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	05/05/2021 0038
Dibromochloromethane	ND		1	1.0	ug/L	05/05/2021 0038
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	05/05/2021 0038
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	05/05/2021 0038
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	05/05/2021 0038
1,2-Dichlorobenzene	ND		1	1.0	ug/L	05/05/2021 0038
1,4-Dichlorobenzene	ND		1	1.0	ug/L	05/05/2021 0038
1,1-Dichloroethane	ND		1	1.0	ug/L	05/05/2021 0038
1,2-Dichloroethane	ND		1	1.0	ug/L	05/05/2021 0038
1,1-Dichloroethene	ND		1	1.0	ug/L	05/05/2021 0038
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	05/05/2021 0038
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	05/05/2021 0038
1,2-Dichloropropane	ND		1	1.0	ug/L	05/05/2021 0038
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	05/05/2021 0038
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	05/05/2021 0038
Ethylbenzene	ND		1	1.0	ug/L	05/05/2021 0038
2-Hexanone	ND		1	10	ug/L	05/05/2021 0038
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	05/05/2021 0038
4-Methyl-2-pentanone	ND		1	10	ug/L	05/05/2021 0038
Methylene chloride	ND		1	1.0	ug/L	05/05/2021 0038
Styrene	ND		1	1.0	ug/L	05/05/2021 0038
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	05/05/2021 0038
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	05/05/2021 0038
Tetrachloroethene	ND		1	1.0	ug/L	05/05/2021 0038
Toluene	ND		1	1.0	ug/L	05/05/2021 0038
1,1,1-Trichloroethane	ND		1	1.0	ug/L	05/05/2021 0038
1,1,2-Trichloroethane	ND		1	1.0	ug/L	05/05/2021 0038
Trichloroethene	ND		1	1.0	ug/L	05/05/2021 0038
Trichlorofluoromethane	ND		1	1.0	ug/L	05/05/2021 0038
1,2,3-Trichloropropane	ND		1	1.0	ug/L	05/05/2021 0038

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ91165-001
Batch: 91165
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Vinyl acetate	ND		1	5.0	ug/L	05/05/2021 0038
Vinyl chloride	ND		1	1.0	ug/L	05/05/2021 0038
Xylenes (total)	ND		1	1.0	ug/L	05/05/2021 0038

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		104	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ91165-002
Batch: 91165
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	99		1	99	60-140	05/04/2021 2335
Acrylonitrile	100	110		1	109	70-130	05/04/2021 2335
Benzene	50	54		1	108	70-130	05/04/2021 2335
Bromochloromethane	50	54		1	108	70-130	05/04/2021 2335
Bromodichloromethane	50	54		1	108	70-130	05/04/2021 2335
Bromoform	50	48		1	97	70-130	05/04/2021 2335
Bromomethane (Methyl bromide)	50	54		1	108	70-130	05/04/2021 2335
2-Butanone (MEK)	100	110		1	106	70-130	05/04/2021 2335
Carbon disulfide	50	58		1	116	70-130	05/04/2021 2335
Carbon tetrachloride	50	57		1	114	70-130	05/04/2021 2335
Chlorobenzene	50	52		1	103	70-130	05/04/2021 2335
Chloroethane	50	53		1	106	70-130	05/04/2021 2335
Chloroform	50	51		1	103	70-130	05/04/2021 2335
Chloromethane (Methyl chloride)	50	52		1	104	60-140	05/04/2021 2335
1,2-Dibromo-3-chloropropane (DBCP)	50	48		1	95	70-130	05/04/2021 2335
Dibromochloromethane	50	56		1	111	70-130	05/04/2021 2335
1,2-Dibromoethane (EDB)	50	52		1	104	70-130	05/04/2021 2335
Dibromomethane (Methylene bromide)	50	52		1	103	70-130	05/04/2021 2335
trans-1,4-Dichloro-2-butene	50	44		1	88	70-130	05/04/2021 2335
1,2-Dichlorobenzene	50	53		1	106	70-130	05/04/2021 2335
1,4-Dichlorobenzene	50	51		1	102	70-130	05/04/2021 2335
1,1-Dichloroethane	50	53		1	107	70-130	05/04/2021 2335
1,2-Dichloroethane	50	51		1	101	70-130	05/04/2021 2335
1,1-Dichloroethene	50	58		1	116	70-130	05/04/2021 2335
cis-1,2-Dichloroethene	50	52		1	103	70-130	05/04/2021 2335
trans-1,2-Dichloroethene	50	56		1	112	70-130	05/04/2021 2335
1,2-Dichloropropane	50	52		1	103	70-130	05/04/2021 2335
cis-1,3-Dichloropropene	50	56		1	112	70-130	05/04/2021 2335
trans-1,3-Dichloropropene	50	48		1	97	70-130	05/04/2021 2335
Ethylbenzene	50	54		1	107	70-130	05/04/2021 2335
2-Hexanone	100	96		1	96	70-130	05/04/2021 2335
Methyl iodide (Iodomethane)	50	57		1	115	70-130	05/04/2021 2335
4-Methyl-2-pentanone	100	110		1	106	70-130	05/04/2021 2335
Methylene chloride	50	53		1	106	70-130	05/04/2021 2335
Styrene	50	58		1	116	70-130	05/04/2021 2335
1,1,1,2-Tetrachloroethane	50	55		1	109	70-130	05/04/2021 2335
1,1,2,2-Tetrachloroethane	50	52		1	104	70-130	05/04/2021 2335
Tetrachloroethene	50	53		1	107	70-130	05/04/2021 2335
Toluene	50	52		1	104	70-130	05/04/2021 2335
1,1,1-Trichloroethane	50	58		1	115	70-130	05/04/2021 2335
1,1,2-Trichloroethane	50	51		1	103	70-130	05/04/2021 2335
Trichloroethene	50	54		1	108	70-130	05/04/2021 2335
Trichlorofluoromethane	50	54		1	107	70-130	05/04/2021 2335
1,2,3-Trichloropropane	50	50		1	100	70-130	05/04/2021 2335

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ91165-002
Batch: 91165
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl acetate	50	50		1	101	60-140	05/04/2021 2335
Vinyl chloride	50	52		1	104	70-130	05/04/2021 2335
Xylenes (total)	100	110		1	110	70-130	05/04/2021 2335

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		103	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ91166-001
Batch: 91166
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	05/05/2021 0021
Acrylonitrile	ND		1	20	ug/L	05/05/2021 0021
Benzene	ND		1	1.0	ug/L	05/05/2021 0021
Bromochloromethane	ND		1	1.0	ug/L	05/05/2021 0021
Bromodichloromethane	ND		1	1.0	ug/L	05/05/2021 0021
Bromoform	ND		1	1.0	ug/L	05/05/2021 0021
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	05/05/2021 0021
2-Butanone (MEK)	ND		1	10	ug/L	05/05/2021 0021
Carbon disulfide	ND		1	1.0	ug/L	05/05/2021 0021
Carbon tetrachloride	ND		1	1.0	ug/L	05/05/2021 0021
Chlorobenzene	ND		1	1.0	ug/L	05/05/2021 0021
Chloroethane	ND		1	2.0	ug/L	05/05/2021 0021
Chloroform	ND		1	1.0	ug/L	05/05/2021 0021
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	05/05/2021 0021
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	05/05/2021 0021
Dibromochloromethane	ND		1	1.0	ug/L	05/05/2021 0021
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	05/05/2021 0021
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	05/05/2021 0021
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	05/05/2021 0021
1,4-Dichlorobenzene	ND		1	1.0	ug/L	05/05/2021 0021
1,1-Dichloroethane	ND		1	1.0	ug/L	05/05/2021 0021
1,2-Dichloroethane	ND		1	1.0	ug/L	05/05/2021 0021
1,1-Dichloroethene	ND		1	1.0	ug/L	05/05/2021 0021
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	05/05/2021 0021
1,2-Dichloropropane	ND		1	1.0	ug/L	05/05/2021 0021
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	05/05/2021 0021
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	05/05/2021 0021
Ethylbenzene	ND		1	1.0	ug/L	05/05/2021 0021
2-Hexanone	ND		1	10	ug/L	05/05/2021 0021
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	05/05/2021 0021
4-Methyl-2-pentanone	ND		1	10	ug/L	05/05/2021 0021
Methylene chloride	ND		1	1.0	ug/L	05/05/2021 0021
Styrene	ND		1	1.0	ug/L	05/05/2021 0021
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	05/05/2021 0021
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	05/05/2021 0021
Tetrachloroethene	ND		1	1.0	ug/L	05/05/2021 0021
Toluene	ND		1	1.0	ug/L	05/05/2021 0021
1,1,1-Trichloroethane	ND		1	1.0	ug/L	05/05/2021 0021
1,1,2-Trichloroethane	ND		1	1.0	ug/L	05/05/2021 0021
Trichloroethene	ND		1	1.0	ug/L	05/05/2021 0021
Trichlorofluoromethane	ND		1	1.0	ug/L	05/05/2021 0021
1,2,3-Trichloropropane	ND		1	1.0	ug/L	05/05/2021 0021
Vinyl acetate	ND		1	5.0	ug/L	05/05/2021 0021
Xylenes (total)	ND		1	1.0	ug/L	05/05/2021 0021

LOQ = Limit of Quantitation

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+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ91166-001
Batch: 91166
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		88	70-130
Toluene-d8		92	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

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+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ91166-002
Batch: 91166
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	130		1	125	60-140	05/04/2021 2049
Acrylonitrile	100	120		1	118	70-130	05/04/2021 2049
Benzene	50	52		1	105	70-130	05/04/2021 2049
Bromochloromethane	50	52		1	105	70-130	05/04/2021 2049
Bromodichloromethane	50	46		1	91	70-130	05/04/2021 2049
Bromoform	50	42		1	85	70-130	05/04/2021 2049
Bromomethane (Methyl bromide)	50	64		1	129	70-130	05/04/2021 2049
2-Butanone (MEK)	100	120		1	119	70-130	05/04/2021 2049
Carbon disulfide	50	47		1	95	70-130	05/04/2021 2049
Carbon tetrachloride	50	48		1	96	70-130	05/04/2021 2049
Chlorobenzene	50	52		1	105	70-130	05/04/2021 2049
Chloroethane	50	51		1	101	70-130	05/04/2021 2049
Chloroform	50	49		1	98	70-130	05/04/2021 2049
Chloromethane (Methyl chloride)	50	57		1	114	60-140	05/04/2021 2049
1,2-Dibromo-3-chloropropane (DBCP)	50	40		1	80	70-130	05/04/2021 2049
Dibromochloromethane	50	45		1	91	70-130	05/04/2021 2049
1,2-Dibromoethane (EDB)	50	52		1	104	70-130	05/04/2021 2049
Dibromomethane (Methylene bromide)	50	52		1	103	70-130	05/04/2021 2049
trans-1,4-Dichloro-2-butene	50	42		1	84	70-130	05/04/2021 2049
1,4-Dichlorobenzene	50	50		1	100	70-130	05/04/2021 2049
1,1-Dichloroethane	50	49		1	98	70-130	05/04/2021 2049
1,2-Dichloroethane	50	49		1	97	70-130	05/04/2021 2049
1,1-Dichloroethene	50	53		1	106	70-130	05/04/2021 2049
trans-1,2-Dichloroethene	50	53		1	107	70-130	05/04/2021 2049
1,2-Dichloropropane	50	50		1	100	70-130	05/04/2021 2049
cis-1,3-Dichloropropene	50	45		1	90	70-130	05/04/2021 2049
trans-1,3-Dichloropropene	50	42		1	84	70-130	05/04/2021 2049
Ethylbenzene	50	51		1	102	70-130	05/04/2021 2049
2-Hexanone	100	110		1	110	70-130	05/04/2021 2049
Methyl iodide (Iodomethane)	50	52		1	104	70-130	05/04/2021 2049
4-Methyl-2-pentanone	100	100		1	100	70-130	05/04/2021 2049
Methylene chloride	50	52		1	105	70-130	05/04/2021 2049
Styrene	50	52		1	105	70-130	05/04/2021 2049
1,1,1,2-Tetrachloroethane	50	47		1	94	70-130	05/04/2021 2049
1,1,2,2-Tetrachloroethane	50	54		1	108	70-130	05/04/2021 2049
Tetrachloroethene	50	51		1	103	70-130	05/04/2021 2049
Toluene	50	51		1	101	70-130	05/04/2021 2049
1,1,1-Trichloroethane	50	46		1	93	70-130	05/04/2021 2049
1,1,2-Trichloroethane	50	53		1	107	70-130	05/04/2021 2049
Trichloroethene	50	50		1	100	70-130	05/04/2021 2049
Trichlorofluoromethane	50	50		1	100	70-130	05/04/2021 2049
1,2,3-Trichloropropane	50	55		1	109	70-130	05/04/2021 2049
Vinyl acetate	50	50		1	99	60-140	05/04/2021 2049
Xylenes (total)	100	100		1	101	70-130	05/04/2021 2049

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

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P = The RPD between two GC columns exceeds 40%

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+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ91166-002
Batch: 91166
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		101	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

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+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: WD22087-018MS
Batch: 91166
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	ND	500	420		5	84	60-140	05/05/2021 0709
Acrylonitrile	ND	500	540		5	109	70-122	05/05/2021 0709
Benzene	6.5	250	280		5	111	70-130	05/05/2021 0709
Bromochloromethane	ND	250	270		5	108	70-130	05/05/2021 0709
Bromodichloromethane	ND	250	230		5	93	70-130	05/05/2021 0709
Bromoform	ND	250	180		5	72	70-130	05/05/2021 0709
Bromomethane (Methyl bromide)	ND	250	350	N	5	142	70-130	05/05/2021 0709
2-Butanone (MEK)	ND	500	620		5	123	70-130	05/05/2021 0709
Carbon disulfide	ND	250	240		5	97	70-130	05/05/2021 0709
Carbon tetrachloride	ND	250	270		5	107	70-130	05/05/2021 0709
Chlorobenzene	78	250	350		5	108	70-130	05/05/2021 0709
Chloroethane	ND	250	280		5	113	70-130	05/05/2021 0709
Chloroform	ND	250	260		5	105	70-130	05/05/2021 0709
Chloromethane (Methyl chloride)	ND	250	340		5	136	60-140	05/05/2021 0709
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	180		5	74	70-130	05/05/2021 0709
Dibromochloromethane	ND	250	210		5	85	70-130	05/05/2021 0709
1,2-Dibromoethane (EDB)	ND	250	250		5	100	70-130	05/05/2021 0709
Dibromomethane (Methylene bromide)	ND	250	260		5	105	70-130	05/05/2021 0709
trans-1,4-Dichloro-2-butene	ND	250	150	N	5	61	70-130	05/05/2021 0709
1,4-Dichlorobenzene	ND	250	250		5	100	70-130	05/05/2021 0709
1,1-Dichloroethane	150	250	420		5	108	70-130	05/05/2021 0709
1,2-Dichloroethane	610	250	860		5	101	70-130	05/05/2021 0709
1,1-Dichloroethene	69	250	360		5	115	70-130	05/05/2021 0709
trans-1,2-Dichloroethene	7.6	250	300		5	118	70-130	05/05/2021 0709
1,2-Dichloropropane	ND	250	260		5	105	70-130	05/05/2021 0709
cis-1,3-Dichloropropene	ND	250	220		5	87	70-130	05/05/2021 0709
trans-1,3-Dichloropropene	ND	250	200		5	79	70-130	05/05/2021 0709
Ethylbenzene	ND	250	260		5	105	70-130	05/05/2021 0709
2-Hexanone	ND	500	450		5	91	70-130	05/05/2021 0709
Methyl iodide (Iodomethane)	ND	250	270		5	106	70-130	05/05/2021 0709
4-Methyl-2-pentanone	ND	500	450		5	90	70-130	05/05/2021 0709
Methylene chloride	8.5	250	280		5	110	70-130	05/05/2021 0709
Styrene	ND	250	260		5	105	70-130	05/05/2021 0709
1,1,1,2-Tetrachloroethane	ND	250	240		5	94	70-130	05/05/2021 0709
1,1,2,2-Tetrachloroethane	ND	250	250		5	100	70-130	05/05/2021 0709
Tetrachloroethene	380	250	660		5	111	70-130	05/05/2021 0709
Toluene	ND	250	260		5	105	70-130	05/05/2021 0709
1,1,1-Trichloroethane	ND	250	260		5	103	70-130	05/05/2021 0709
1,1,2-Trichloroethane	ND	250	270		5	106	70-130	05/05/2021 0709
Trichloroethene	580	250	870		5	114	70-130	05/05/2021 0709
Trichlorofluoromethane	ND	250	270		5	110	70-130	05/05/2021 0709
1,2,3-Trichloropropane	ND	250	240		5	97	70-130	05/05/2021 0709
Vinyl acetate	ND	250	240		5	94	60-140	05/05/2021 0709
Xylenes (total)	ND	500	520		5	104	70-130	05/05/2021 0709

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: WD22087-018MS
Batch: 91166
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		98	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		104	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: WD22087-018MD
Batch: 91166
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Acetone	ND	500	400		5	80	4.2	60-140	20	05/05/2021 0733
Acrylonitrile	ND	500	530		5	105	3.2	70-122	20	05/05/2021 0733
Benzene	6.5	250	280		5	109	1.8	70-130	20	05/05/2021 0733
Bromochloromethane	ND	250	270		5	108	0.69	70-130	20	05/05/2021 0733
Bromodichloromethane	ND	250	230		5	92	1.5	70-130	20	05/05/2021 0733
Bromoform	ND	250	180		5	72	0.72	70-130	20	05/05/2021 0733
Bromomethane (Methyl bromide)	ND	250	360	N	5	144	1.7	70-130	20	05/05/2021 0733
2-Butanone (MEK)	ND	500	580		5	116	6.5	70-130	20	05/05/2021 0733
Carbon disulfide	ND	250	250		5	102	4.2	70-130	20	05/05/2021 0733
Carbon tetrachloride	ND	250	270		5	106	0.56	70-130	20	05/05/2021 0733
Chlorobenzene	78	250	340		5	105	2.0	70-130	20	05/05/2021 0733
Chloroethane	ND	250	300		5	121	6.4	70-130	20	05/05/2021 0733
Chloroform	ND	250	260		5	105	0.78	70-130	20	05/05/2021 0733
Chloromethane (Methyl chloride)	ND	250	340		5	136	0.38	60-140	20	05/05/2021 0733
1,2-Dibromo-3-chloropropane (DBCP)	ND	250	190		5	76	3.4	70-130	20	05/05/2021 0733
Dibromochloromethane	ND	250	210		5	86	1.1	70-130	20	05/05/2021 0733
1,2-Dibromoethane (EDB)	ND	250	250		5	99	1.2	70-130	20	05/05/2021 0733
Dibromomethane (Methylene bromide)	ND	250	260		5	103	2.0	70-130	20	05/05/2021 0733
trans-1,4-Dichloro-2-butene	ND	250	150	N	5	59	2.7	70-130	20	05/05/2021 0733
1,4-Dichlorobenzene	ND	250	250		5	100	0.41	70-130	20	05/05/2021 0733
1,1-Dichloroethane	150	250	410		5	104	2.2	70-130	20	05/05/2021 0733
1,2-Dichloroethane	610	250	830		5	87	4.1	70-130	20	05/05/2021 0733
1,1-Dichloroethene	69	250	350		5	113	1.0	70-130	20	05/05/2021 0733
trans-1,2-Dichloroethene	7.6	250	310		5	120	0.97	70-130	20	05/05/2021 0733
1,2-Dichloropropane	ND	250	250		5	101	4.0	70-130	20	05/05/2021 0733
cis-1,3-Dichloropropene	ND	250	220		5	87	0.27	70-130	20	05/05/2021 0733
trans-1,3-Dichloropropene	ND	250	200		5	81	2.3	70-130	20	05/05/2021 0733
Ethylbenzene	ND	250	260		5	104	0.77	70-130	20	05/05/2021 0733
2-Hexanone	ND	500	440		5	88	3.3	70-130	20	05/05/2021 0733
Methyl iodide (Iodomethane)	ND	250	270		5	108	1.3	70-130	20	05/05/2021 0733
4-Methyl-2-pentanone	ND	500	440		5	87	3.3	70-130	20	05/05/2021 0733
Methylene chloride	8.5	250	280		5	110	0.10	70-130	20	05/05/2021 0733
Styrene	ND	250	260		5	104	0.84	70-130	20	05/05/2021 0733
1,1,1,2-Tetrachloroethane	ND	250	240		5	95	0.32	70-130	20	05/05/2021 0733
1,1,2,2-Tetrachloroethane	ND	250	250		5	100	0.11	70-130	20	05/05/2021 0733
Tetrachloroethene	380	250	630		5	100	4.1	70-130	20	05/05/2021 0733
Toluene	ND	250	260		5	104	0.74	70-130	20	05/05/2021 0733
1,1,1-Trichloroethane	ND	250	260		5	103	0.30	70-130	20	05/05/2021 0733
1,1,2-Trichloroethane	ND	250	260		5	103	3.0	70-130	20	05/05/2021 0733
Trichloroethene	580	250	820		5	96	5.4	70-130	20	05/05/2021 0733
Trichlorofluoromethane	ND	250	280		5	112	2.2	70-130	20	05/05/2021 0733
1,2,3-Trichloropropane	ND	250	240		5	96	2.0	70-130	20	05/05/2021 0733
Vinyl acetate	ND	250	230		5	93	0.91	60-140	20	05/05/2021 0733
Xylenes (total)	ND	500	510		5	103	1.5	70-130	20	05/05/2021 0733

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: WD22087-018MD
Batch: 91166
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		100	70-130
Toluene-d8		104	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ91236-001
Batch: 91236
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Vinyl chloride	ND		1	1.0	ug/L	05/05/2021 1038

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		107	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ91236-002
Batch: 91236
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl chloride	50	51		1	102	70-130	05/05/2021 0827

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		102	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: WD22087-004MS
Batch: 91236
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl chloride	5.1	250	270		5	105	70-130	05/05/2021 1825

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		102	70-130
Toluene-d8		108	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: WD22087-004MD
Batch: 91236
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Vinyl chloride	5.1	250	260		5	102	2.6	70-130	20	05/05/2021 1849

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		109	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ91323-001
Batch: 91323
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
1,2-Dichlorobenzene	ND		1	1.0	ug/L	05/05/2021 2211
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	05/05/2021 2211
Vinyl chloride	ND		1	1.0	ug/L	05/05/2021 2211

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		95	70-130
1,2-Dichloroethane-d4		106	70-130
Toluene-d8		97	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ91323-002
Batch: 91323
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
1,2-Dichlorobenzene	50	48		1	97	70-130	05/05/2021 2008
cis-1,2-Dichloroethene	50	44		1	87	70-130	05/05/2021 2008
Vinyl chloride	50	43		1	86	70-130	05/05/2021 2008

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		99	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ91324-001
Batch: 91324
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	05/05/2021 2349
Acrylonitrile	ND		1	20	ug/L	05/05/2021 2349
Benzene	ND		1	1.0	ug/L	05/05/2021 2349
Bromochloromethane	ND		1	1.0	ug/L	05/05/2021 2349
Bromodichloromethane	ND		1	1.0	ug/L	05/05/2021 2349
Bromoform	ND		1	1.0	ug/L	05/05/2021 2349
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	05/05/2021 2349
2-Butanone (MEK)	ND		1	10	ug/L	05/05/2021 2349
Carbon disulfide	ND		1	1.0	ug/L	05/05/2021 2349
Carbon tetrachloride	ND		1	1.0	ug/L	05/05/2021 2349
Chlorobenzene	ND		1	1.0	ug/L	05/05/2021 2349
Chloroethane	ND		1	2.0	ug/L	05/05/2021 2349
Chloroform	ND		1	1.0	ug/L	05/05/2021 2349
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	05/05/2021 2349
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	05/05/2021 2349
Dibromochloromethane	ND		1	1.0	ug/L	05/05/2021 2349
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	05/05/2021 2349
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	05/05/2021 2349
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	05/05/2021 2349
1,2-Dichlorobenzene	ND		1	1.0	ug/L	05/05/2021 2349
1,4-Dichlorobenzene	ND		1	1.0	ug/L	05/05/2021 2349
1,1-Dichloroethane	ND		1	1.0	ug/L	05/05/2021 2349
1,2-Dichloroethane	ND		1	1.0	ug/L	05/05/2021 2349
1,1-Dichloroethene	ND		1	1.0	ug/L	05/05/2021 2349
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	05/05/2021 2349
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	05/05/2021 2349
1,2-Dichloropropane	ND		1	1.0	ug/L	05/05/2021 2349
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	05/05/2021 2349
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	05/05/2021 2349
Ethylbenzene	ND		1	1.0	ug/L	05/05/2021 2349
2-Hexanone	ND		1	10	ug/L	05/05/2021 2349
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	05/05/2021 2349
4-Methyl-2-pentanone	ND		1	10	ug/L	05/05/2021 2349
Methylene chloride	ND		1	1.0	ug/L	05/05/2021 2349
Styrene	ND		1	1.0	ug/L	05/05/2021 2349
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	05/05/2021 2349
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	05/05/2021 2349
Tetrachloroethene	ND		1	1.0	ug/L	05/05/2021 2349
Toluene	ND		1	1.0	ug/L	05/05/2021 2349
1,1,1-Trichloroethane	ND		1	1.0	ug/L	05/05/2021 2349
1,1,2-Trichloroethane	ND		1	1.0	ug/L	05/05/2021 2349
Trichloroethene	ND		1	1.0	ug/L	05/05/2021 2349
Trichlorofluoromethane	ND		1	1.0	ug/L	05/05/2021 2349
1,2,3-Trichloropropane	ND		1	1.0	ug/L	05/05/2021 2349

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ91324-001
Batch: 91324
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Vinyl acetate	ND		1	5.0	ug/L	05/05/2021 2349
Vinyl chloride	ND		1	1.0	ug/L	05/05/2021 2349
Xylenes (total)	ND		1	1.0	ug/L	05/05/2021 2349

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		106	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ91324-002
Batch: 91324
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	99		1	99	60-140	05/05/2021 2109
Acrylonitrile	100	100		1	102	70-130	05/05/2021 2109
Benzene	50	47		1	95	70-130	05/05/2021 2109
Bromochloromethane	50	48		1	97	70-130	05/05/2021 2109
Bromodichloromethane	50	49		1	98	70-130	05/05/2021 2109
Bromoform	50	45		1	90	70-130	05/05/2021 2109
Bromomethane (Methyl bromide)	50	44		1	88	70-130	05/05/2021 2109
2-Butanone (MEK)	100	100		1	104	70-130	05/05/2021 2109
Carbon disulfide	50	49		1	99	70-130	05/05/2021 2109
Carbon tetrachloride	50	47		1	94	70-130	05/05/2021 2109
Chlorobenzene	50	48		1	96	70-130	05/05/2021 2109
Chloroethane	50	44		1	88	70-130	05/05/2021 2109
Chloroform	50	46		1	91	70-130	05/05/2021 2109
Chloromethane (Methyl chloride)	50	41		1	83	60-140	05/05/2021 2109
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	91	70-130	05/05/2021 2109
Dibromochloromethane	50	52		1	103	70-130	05/05/2021 2109
1,2-Dibromoethane (EDB)	50	50		1	100	70-130	05/05/2021 2109
Dibromomethane (Methylene bromide)	50	47		1	95	70-130	05/05/2021 2109
trans-1,4-Dichloro-2-butene	50	52		1	104	70-130	05/05/2021 2109
1,2-Dichlorobenzene	50	49		1	98	70-130	05/05/2021 2109
1,4-Dichlorobenzene	50	49		1	97	70-130	05/05/2021 2109
1,1-Dichloroethane	50	47		1	93	70-130	05/05/2021 2109
1,2-Dichloroethane	50	46		1	92	70-130	05/05/2021 2109
1,1-Dichloroethene	50	50		1	100	70-130	05/05/2021 2109
cis-1,2-Dichloroethene	50	46		1	91	70-130	05/05/2021 2109
trans-1,2-Dichloroethene	50	49		1	98	70-130	05/05/2021 2109
1,2-Dichloropropane	50	47		1	94	70-130	05/05/2021 2109
cis-1,3-Dichloropropene	50	52		1	105	70-130	05/05/2021 2109
trans-1,3-Dichloropropene	50	47		1	94	70-130	05/05/2021 2109
Ethylbenzene	50	50		1	100	70-130	05/05/2021 2109
2-Hexanone	100	95		1	95	70-130	05/05/2021 2109
Methyl iodide (Iodomethane)	50	51		1	102	70-130	05/05/2021 2109
4-Methyl-2-pentanone	100	100		1	100	70-130	05/05/2021 2109
Methylene chloride	50	48		1	97	70-130	05/05/2021 2109
Styrene	50	54		1	107	70-130	05/05/2021 2109
1,1,1,2-Tetrachloroethane	50	49		1	98	70-130	05/05/2021 2109
1,1,2,2-Tetrachloroethane	50	50		1	100	70-130	05/05/2021 2109
Tetrachloroethene	50	50		1	100	70-130	05/05/2021 2109
Toluene	50	49		1	98	70-130	05/05/2021 2109
1,1,1-Trichloroethane	50	50		1	100	70-130	05/05/2021 2109
1,1,2-Trichloroethane	50	50		1	99	70-130	05/05/2021 2109
Trichloroethene	50	48		1	97	70-130	05/05/2021 2109
Trichlorofluoromethane	50	46		1	91	70-130	05/05/2021 2109
1,2,3-Trichloropropane	50	49		1	99	70-130	05/05/2021 2109

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ91324-002
Batch: 91324
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl acetate	50	47		1	95	60-140	05/05/2021 2109
Vinyl chloride	50	42		1	85	70-130	05/05/2021 2109
Xylenes (total)	100	100		1	101	70-130	05/05/2021 2109

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		100	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody

and

Miscellaneous Documents

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Chain of Custody Record

Number 107497

Client: CDM SMITH	Report to Contact: MAT COLONE	Telephone No. / E-mail: colonemp@cdmsmith.com	Quote No.
Address: 5400 GLENWOOD AVE SUITE 400	Sampler's Signature: X	Analysis (Attach list if more space is needed)	Page 1 of 3
City: RALEIGH	State: NC	Zip Code: 27612	
Project Name: PSC	Printed Name: PATRICK KANE		WD22087

Project No.	P.O. No.			Matrix			No of Containers by Preservative Type										Remarks / Cooler I.D.
Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Collected Composite	Aqueous	Solid	Non-Aqueous	Unpres.	H2SO4	HNO3	HCl	NaOH	Na2S2O3				VOCs-8260	
DUP-7	4-22-21	0708	G	✓						3						✓	
EQ BLANK	4-21-21	1725	G	✓						3						✓	
TRIP BLANK	—	—														✓	
OB-109	4/21/21	1515	G	✓						3						✓	
RIMW-1	4-21-21	1555	G	✓						3						✓	
OB-109B	4-21-21	1705	G	✓						3						✓	
BP-1B	4-22-21	0825	G	✓						3						✓	
RIMW-28	4-22-21	0915	G	✓						3						✓	
DUP-6	4-22-21	0915	G	✓						3						✓	
RIMW-25	4-22-21	~~1015~~ 0915	G	✓						3						✓	

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☑ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by	4-22-21	1755	1. Received by	4.22.21	1755
2. Relinquished by	4.22.21	1640	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory received by	4/22/21	1640

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY Received on ice (Circle) (Yes) No Ice Pack Receipt Temp. 1.5 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-193 Effective Date: 08-01-2014

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

SHEALY Chain of Custody Record

Number 107496

Client: CDM SMITH	Report to Contact: MAT COLONE	Telephone No. / E-mail: colonem@cdmsmith.com	Quote No.
Address: 5420 GLENWOOD AVE SUITE 400	Sampler's Signature: x	Analysis (Attach list if more space is needed)	Page 2 of 3
City: RALEIGH	State: NC	Zip Code: 27612	
Project Name: PSC	Printed Name: PATRICK KANE		

WD22087

CSD

Project No.	P.O. No.			Matrix			No of Containers by Preservative Type											
Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab G=Grab C=Composite	Aqueous	Solid	Non-aqueous	Unpres	H2SO4	HNO3	HCl	NaOH	NaHSO4	Other	VOCs - 8260				Remarks / Cooler I.D.
RIMW-22	4-21-21	1525	G	✓						3				✓				
RIMW-6	4-21-21	1710	G	✓						3				✓				
RIMW-16	4-21-21	1635	G	✓						3				✓				
RIMW-15	4-21-21	1600	G	✓						3				✓				
RIMW-20	4-22-21	0820	G	✓						3				✓				
RIMW-30	4-22-21	0905	G	✓						3				✓				
RIMW-21	4-22-21	0945	G	✓						3				✓				
RIMW-4	4-22-21	1035	G	✓						3				✓				
RIMW-27	4-22-21	1200	G	✓						3				✓				
DUP-5	4-22-21	0705	G	✓						3				✓				

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☑ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by	4-22-21	1755	1. Received by	4.22.21	1255
2. Relinquished by	4.22.21	1640	2. Received by	Date	Time
3. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory received by	4/22/21	1640

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) (Yes) No Ice Pack

Receipt Temp. 1-5 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

SHEALY ENVIRONMENTAL SERVICES, INC.

105 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Chain of Custody Record

Number 107498

Client: CDM SMITH	Report to Contact: MAT COLONG	Telephone No. / E-mail: colongmf@cdmsmith	Quote No.
Address: 5400 GLENWOOD AVE SUITE 400	Sampler's Signature: X	Analysis (Attach list if more space is needed)	Page 3 of 3
City: RALEIGH	State: NC	Zip Code: 27612	Printed Name: PATRICK KANE
Project Name: PSC			WD22087
Project No.	P.O. No.		CSD

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab / Composite	Matrix: Aqueous	Matrix: Soils	Matrix: Solid / Aqueous	No of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	Na2S2O3	VOCs +BTEX	Remarks / Cooler I.D.
RIMW-8	4-22-21	1140	G	✓						3			✓	
TEMP BLANK														

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☐ Standard ☐ Rush (Specify)

Sample Disposal: ☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by	4-22-21	1255	1. Received by	4.22.21	1255
2. Relinquished by	4.22.21	1640	2. Received by	Date	Time
2. Relinquished by	Date	Time	3. Received by	Date	Time
4. Relinquished by	Date	Time	4. Laboratory received by	4/22/21	1640

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY — Received on Ice (Circle): Yes No Ice Pack — Receipt Temp: 1.5 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

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PaceAnalytical

Samples Receipt Checklist (SRC) (ME0018C-15)
Issuing Authority: Pace ENV - WCOL

Revised:9/29/2020
Page 1 of 1

Sample Receipt Checklist (SRC)

Client: CDM Smith Cooler Inspected by/date: MEH / 04/22/2021 Lot #: WD22087

Means of receipt: ☑ Pace ☐ Client ☐ UPS ☐ FedEx ☐ Other:

☐ Yes	☑ No		1. Were custody seals present on the cooler?
☐ Yes	☐ No	☑ NA	2. If custody seals were present, were they intact and unbroken?

pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA

Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: NA

1.5 / 1.5 °C NA / NA °C NA / NA °C NA / NA °C

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Ice Packs ☐ Dry Ice ☐ None

☐ Yes	☐ No	☑ NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
☐ Yes	☐ No	☑ NA	4. Is the commercial courier's packing slip attached to this form?
☑ Yes	☐ No		5. Were proper custody procedures (relinquished/received) followed?
☑ Yes	☐ No		6. Were sample IDs listed on the COC?
☑ Yes	☐ No		7. Were sample IDs listed on all sample containers?
☑ Yes	☐ No		8. Was collection date & time listed on the COC?
☑ Yes	☐ No		9. Was collection date & time listed on all sample containers?
☑ Yes	☐ No		10. Did all container label information (ID, date, time) agree with the COC?
☑ Yes	☐ No		11. Were tests to be performed listed on the COC?
☑ Yes	☐ No		12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
☑ Yes	☐ No		13. Was adequate sample volume available?
☑ Yes	☐ No		14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
☐ Yes	☑ No		15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
☐ Yes	☑ No	☐ NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (¼"or 6mm in diameter) in any of the VOA vials?
☐ Yes	☐ No	☑ NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
☐ Yes	☐ No	☑ NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
☐ Yes	☐ No	☑ NA	19. Were all applicable NH_3/TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?
☐ Yes	☐ No	☑ NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
☐ Yes	☑ No		21. Was the quote number listed on the container label? If yes, Quote #

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA.
Time of preservation NA. If more than one preservative is needed, please note in the comments below.

Sample(s) NA were received with bubbles >6 mm in diameter.

Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is ***no***) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Shealy ID: NA.

SR barcode labels applied by: MEH Date: 04/22/2021

Comments:

Report of Analysis

CDM Smith
5400 Glenwood Avenue
Suite 400
Raleigh, NC 27612
Attention: Mathew Colone

Project Name: Former PSC 2021

Lot Number:**WD22089**

Date Completed:05/10/2021

05/12/2021 10:17 PM
Approved and released by:
Project Manager II: **Cathy S. Dover**

The electronic signature above is the equivalent of a handwritten signature.

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106 Vantage Point Drive West Columbia, SC 29172
Tel: 803-791-9700 Fax: 803-791-9111 www.pacelabs.com

Case Narrative
CDM Smith
Lot Number: WD22089

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

VOA 8260D
Sample WD22089-001 (OB-11) required a 5x dilution due to the abundance of non-target analytes. Elevated LOQs are provided.

Sample WD22089-002 (OB-22) required a dilution for benzene only and the sample was analyzed within a day outside holding time.

If you have any questions regarding this report please contact the Pace Project Manager listed on the cover page.

Sample Summary

CDM Smith

Lot Number: WD22089

Project Name: Former PSC 2021

Project Number:

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	OB-11	Aqueous	04/22/2021 1330	04/22/2021
002	OB-22	Aqueous	04/22/2021 1445	04/22/2021
003	P-2	Aqueous	04/22/2021 1255	04/22/2021
004	Equipment Blank	Aqueous	04/22/2021 1530	04/22/2021

(4 samples)

Detection Summary

CDM Smith

Lot Number: WD22089

Project Name: Former PSC 2021

Project Number:

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	OB-11	Aqueous	Benzene	8260D	26		ug/L	5
002	OB-22	Aqueous	Benzene	8260D	210	H	ug/L	7
002	OB-22	Aqueous	1,1-Dichloroethane	8260D	1.3		ug/L	7
002	OB-22	Aqueous	1,2-Dichloroethane	8260D	1.1		ug/L	7
002	OB-22	Aqueous	Ethylbenzene	8260D	48		ug/L	7
002	OB-22	Aqueous	Toluene	8260D	1.7		ug/L	7
002	OB-22	Aqueous	Xylenes (total)	8260D	43		ug/L	8
003	P-2	Aqueous	Benzene	8260D	57		ug/L	9
003	P-2	Aqueous	Ethylbenzene	8260D	14		ug/L	9
003	P-2	Aqueous	Toluene	8260D	1.6		ug/L	9
003	P-2	Aqueous	Xylenes (total)	8260D	3.1		ug/L	10

(11 detections)

Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22089-001
Description: OB-11 | Matrix: Aqueous
Date Sampled: 04/22/2021 1330 | Project Name: Former PSC 2021
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	5	05/06/2021 0405	CJL2		91324

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		100	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		100	ug/L	1
Benzene	71-43-2	8260D	26		5.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		5.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		5.0	ug/L	1
Bromoform	75-25-2	8260D	ND		5.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		10	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		50	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		5.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		5.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		5.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		10	ug/L	1
Chloroform	67-66-3	8260D	ND		5.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		5.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		5.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		5.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		5.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		5.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		10	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		5.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		5.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		5.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		5.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		5.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		5.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		5.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		5.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		5.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		5.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		5.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		50	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		25	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		50	ug/L	1
Methylene chloride	75-09-2	8260D	ND		5.0	ug/L	1
Styrene	100-42-5	8260D	ND		5.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		5.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		5.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		5.0	ug/L	1
Toluene	108-88-3	8260D	ND		5.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		5.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		5.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		5.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		5.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		5.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22089-001
Description: OB-11 | Matrix: Aqueous
Date Sampled: 04/22/2021 1330 | Project Name: Former PSC 2021
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	5	05/06/2021 0405	CJL2		91324

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		25	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		5.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		5.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		109	70-130

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22089-002
Description: OB-22 | Matrix: Aqueous
Date Sampled: 04/22/2021 1445 | Project Name: Former PSC 2021
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/06/2021 1152	TML		91358
2	5030B	8260D	5	05/09/2021 0054	BWS		91625

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	210	H	5.0	ug/L	2
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	1.3		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	1.1		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	48		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	1.7		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22089-002
Description: OB-22 | Matrix: Aqueous
Date Sampled: 04/22/2021 1445 | Project Name: Former PSC 2021
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/06/2021 1152	TML		91358
2	5030B	8260D	5	05/09/2021 0054	BWS		91625

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	43		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		111	70-130	H	94	70-130
1,2-Dichloroethane-d4		106	70-130	H	93	70-130
Toluene-d8		109	70-130	H	95	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
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E = Quantitation of compound exceeded the calibration range
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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22089-003
Description: P-2 | Matrix: Aqueous
Date Sampled: 04/22/2021 1255 | Project Name: Former PSC 2021
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/06/2021 0200	CJL2		91324

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	57		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	14		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	1.6		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22089-003
Description: P-2 | Matrix: Aqueous
Date Sampled: 04/22/2021 1255 | Project Name: Former PSC 2021
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/06/2021 0200	CJL2		91324

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	3.1		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		107	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		107	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
L = LCS/LCSD failure
S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22089-004
Description: Equipment Blank | Matrix: Aqueous
Date Sampled: 04/22/2021 1530 | Project Name: Former PSC 2021
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/06/2021 0045	CJL2		91324

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Acetone	67-64-1	8260D	ND		20	ug/L	1
Acrylonitrile	107-13-1	8260D	ND		20	ug/L	1
Benzene	71-43-2	8260D	ND		1.0	ug/L	1
Bromochloromethane	74-97-5	8260D	ND		1.0	ug/L	1
Bromodichloromethane	75-27-4	8260D	ND		1.0	ug/L	1
Bromoform	75-25-2	8260D	ND		1.0	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260D	ND		2.0	ug/L	1
2-Butanone (MEK)	78-93-3	8260D	ND		10	ug/L	1
Carbon disulfide	75-15-0	8260D	ND		1.0	ug/L	1
Carbon tetrachloride	56-23-5	8260D	ND		1.0	ug/L	1
Chlorobenzene	108-90-7	8260D	ND		1.0	ug/L	1
Chloroethane	75-00-3	8260D	ND		2.0	ug/L	1
Chloroform	67-66-3	8260D	ND		1.0	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260D	ND		1.0	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260D	ND		1.0	ug/L	1
Dibromochloromethane	124-48-1	8260D	ND		1.0	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260D	ND		1.0	ug/L	1
Dibromomethane (Methylene bromide)	74-95-3	8260D	ND		1.0	ug/L	1
trans-1,4-Dichloro-2-butene	110-57-6	8260D	ND		2.0	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260D	ND		1.0	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260D	ND		1.0	ug/L	1
1,1-Dichloroethane	75-34-3	8260D	ND		1.0	ug/L	1
1,2-Dichloroethane	107-06-2	8260D	ND		1.0	ug/L	1
1,1-Dichloroethene	75-35-4	8260D	ND		1.0	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260D	ND		1.0	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260D	ND		1.0	ug/L	1
1,2-Dichloropropane	78-87-5	8260D	ND		1.0	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260D	ND		1.0	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260D	ND		1.0	ug/L	1
Ethylbenzene	100-41-4	8260D	ND		1.0	ug/L	1
2-Hexanone	591-78-6	8260D	ND		10	ug/L	1
Methyl iodide (Iodomethane)	74-88-4	8260D	ND		5.0	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260D	ND		10	ug/L	1
Methylene chloride	75-09-2	8260D	ND		1.0	ug/L	1
Styrene	100-42-5	8260D	ND		1.0	ug/L	1
1,1,1,2-Tetrachloroethane	630-20-6	8260D	ND		1.0	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260D	ND		1.0	ug/L	1
Tetrachloroethene	127-18-4	8260D	ND		1.0	ug/L	1
Toluene	108-88-3	8260D	ND		1.0	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260D	ND		1.0	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260D	ND		1.0	ug/L	1
Trichloroethene	79-01-6	8260D	ND		1.0	ug/L	1
Trichlorofluoromethane	75-69-4	8260D	ND		1.0	ug/L	1
1,2,3-Trichloropropane	96-18-4	8260D	ND		1.0	ug/L	1

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
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E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
Q = Surrogate failure
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S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: CDM Smith | Laboratory ID: WD22089-004
Description: Equipment Blank | Matrix: Aqueous
Date Sampled: 04/22/2021 1530 | Project Name: Former PSC 2021
Date Received: 04/22/2021 | Project Number:

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260D	1	05/06/2021 0045	CJL2		91324

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	Units	Run
Vinyl acetate	108-05-4	8260D	ND		5.0	ug/L	1
Vinyl chloride	75-01-4	8260D	ND		1.0	ug/L	1
Xylenes (total)	1330-20-7	8260D	ND		1.0	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		107	70-130
Toluene-d8		106	70-130

LOQ = Limit of Quantitation
ND = Not detected at or above the LOQ
H = Out of holding time
B = Detected in the method blank
N = Recovery is out of criteria
W = Reported on wet weight basis
E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
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QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ91324-001
Batch: 91324
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	05/05/2021 2349
Acrylonitrile	ND		1	20	ug/L	05/05/2021 2349
Benzene	ND		1	1.0	ug/L	05/05/2021 2349
Bromochloromethane	ND		1	1.0	ug/L	05/05/2021 2349
Bromodichloromethane	ND		1	1.0	ug/L	05/05/2021 2349
Bromoform	ND		1	1.0	ug/L	05/05/2021 2349
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	05/05/2021 2349
2-Butanone (MEK)	ND		1	10	ug/L	05/05/2021 2349
Carbon disulfide	ND		1	1.0	ug/L	05/05/2021 2349
Carbon tetrachloride	ND		1	1.0	ug/L	05/05/2021 2349
Chlorobenzene	ND		1	1.0	ug/L	05/05/2021 2349
Chloroethane	ND		1	2.0	ug/L	05/05/2021 2349
Chloroform	ND		1	1.0	ug/L	05/05/2021 2349
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	05/05/2021 2349
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	05/05/2021 2349
Dibromochloromethane	ND		1	1.0	ug/L	05/05/2021 2349
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	05/05/2021 2349
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	05/05/2021 2349
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	05/05/2021 2349
1,2-Dichlorobenzene	ND		1	1.0	ug/L	05/05/2021 2349
1,4-Dichlorobenzene	ND		1	1.0	ug/L	05/05/2021 2349
1,1-Dichloroethane	ND		1	1.0	ug/L	05/05/2021 2349
1,2-Dichloroethane	ND		1	1.0	ug/L	05/05/2021 2349
1,1-Dichloroethene	ND		1	1.0	ug/L	05/05/2021 2349
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	05/05/2021 2349
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	05/05/2021 2349
1,2-Dichloropropane	ND		1	1.0	ug/L	05/05/2021 2349
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	05/05/2021 2349
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	05/05/2021 2349
Ethylbenzene	ND		1	1.0	ug/L	05/05/2021 2349
2-Hexanone	ND		1	10	ug/L	05/05/2021 2349
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	05/05/2021 2349
4-Methyl-2-pentanone	ND		1	10	ug/L	05/05/2021 2349
Methylene chloride	ND		1	1.0	ug/L	05/05/2021 2349
Styrene	ND		1	1.0	ug/L	05/05/2021 2349
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	05/05/2021 2349
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	05/05/2021 2349
Tetrachloroethene	ND		1	1.0	ug/L	05/05/2021 2349
Toluene	ND		1	1.0	ug/L	05/05/2021 2349
1,1,1-Trichloroethane	ND		1	1.0	ug/L	05/05/2021 2349
1,1,2-Trichloroethane	ND		1	1.0	ug/L	05/05/2021 2349
Trichloroethene	ND		1	1.0	ug/L	05/05/2021 2349
Trichlorofluoromethane	ND		1	1.0	ug/L	05/05/2021 2349
1,2,3-Trichloropropane	ND		1	1.0	ug/L	05/05/2021 2349

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ91324-001
Batch: 91324
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Vinyl acetate	ND		1	5.0	ug/L	05/05/2021 2349
Vinyl chloride	ND		1	1.0	ug/L	05/05/2021 2349
Xylenes (total)	ND		1	1.0	ug/L	05/05/2021 2349

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		106	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ91324-002
Batch: 91324
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	99		1	99	60-140	05/05/2021 2109
Acrylonitrile	100	100		1	102	70-130	05/05/2021 2109
Benzene	50	47		1	95	70-130	05/05/2021 2109
Bromochloromethane	50	48		1	97	70-130	05/05/2021 2109
Bromodichloromethane	50	49		1	98	70-130	05/05/2021 2109
Bromoform	50	45		1	90	70-130	05/05/2021 2109
Bromomethane (Methyl bromide)	50	44		1	88	70-130	05/05/2021 2109
2-Butanone (MEK)	100	100		1	104	70-130	05/05/2021 2109
Carbon disulfide	50	49		1	99	70-130	05/05/2021 2109
Carbon tetrachloride	50	47		1	94	70-130	05/05/2021 2109
Chlorobenzene	50	48		1	96	70-130	05/05/2021 2109
Chloroethane	50	44		1	88	70-130	05/05/2021 2109
Chloroform	50	46		1	91	70-130	05/05/2021 2109
Chloromethane (Methyl chloride)	50	41		1	83	60-140	05/05/2021 2109
1,2-Dibromo-3-chloropropane (DBCP)	50	46		1	91	70-130	05/05/2021 2109
Dibromochloromethane	50	52		1	103	70-130	05/05/2021 2109
1,2-Dibromoethane (EDB)	50	50		1	100	70-130	05/05/2021 2109
Dibromomethane (Methylene bromide)	50	47		1	95	70-130	05/05/2021 2109
trans-1,4-Dichloro-2-butene	50	52		1	104	70-130	05/05/2021 2109
1,2-Dichlorobenzene	50	49		1	98	70-130	05/05/2021 2109
1,4-Dichlorobenzene	50	49		1	97	70-130	05/05/2021 2109
1,1-Dichloroethane	50	47		1	93	70-130	05/05/2021 2109
1,2-Dichloroethane	50	46		1	92	70-130	05/05/2021 2109
1,1-Dichloroethene	50	50		1	100	70-130	05/05/2021 2109
cis-1,2-Dichloroethene	50	46		1	91	70-130	05/05/2021 2109
trans-1,2-Dichloroethene	50	49		1	98	70-130	05/05/2021 2109
1,2-Dichloropropane	50	47		1	94	70-130	05/05/2021 2109
cis-1,3-Dichloropropene	50	52		1	105	70-130	05/05/2021 2109
trans-1,3-Dichloropropene	50	47		1	94	70-130	05/05/2021 2109
Ethylbenzene	50	50		1	100	70-130	05/05/2021 2109
2-Hexanone	100	95		1	95	70-130	05/05/2021 2109
Methyl iodide (Iodomethane)	50	51		1	102	70-130	05/05/2021 2109
4-Methyl-2-pentanone	100	100		1	100	70-130	05/05/2021 2109
Methylene chloride	50	48		1	97	70-130	05/05/2021 2109
Styrene	50	54		1	107	70-130	05/05/2021 2109
1,1,1,2-Tetrachloroethane	50	49		1	98	70-130	05/05/2021 2109
1,1,2,2-Tetrachloroethane	50	50		1	100	70-130	05/05/2021 2109
Tetrachloroethene	50	50		1	100	70-130	05/05/2021 2109
Toluene	50	49		1	98	70-130	05/05/2021 2109
1,1,1-Trichloroethane	50	50		1	100	70-130	05/05/2021 2109
1,1,2-Trichloroethane	50	50		1	99	70-130	05/05/2021 2109
Trichloroethene	50	48		1	97	70-130	05/05/2021 2109
Trichlorofluoromethane	50	46		1	91	70-130	05/05/2021 2109
1,2,3-Trichloropropane	50	49		1	99	70-130	05/05/2021 2109

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ91324-002
Batch: 91324
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl acetate	50	47		1	95	60-140	05/05/2021 2109
Vinyl chloride	50	42		1	85	70-130	05/05/2021 2109
Xylenes (total)	100	100		1	101	70-130	05/05/2021 2109

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		93	70-130
Toluene-d8		100	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ91358-001
Batch: 91358
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Acetone	ND		1	20	ug/L	05/06/2021 0917
Acrylonitrile	ND		1	20	ug/L	05/06/2021 0917
Bromochloromethane	ND		1	1.0	ug/L	05/06/2021 0917
Bromodichloromethane	ND		1	1.0	ug/L	05/06/2021 0917
Bromoform	ND		1	1.0	ug/L	05/06/2021 0917
Bromomethane (Methyl bromide)	ND		1	2.0	ug/L	05/06/2021 0917
2-Butanone (MEK)	ND		1	10	ug/L	05/06/2021 0917
Carbon disulfide	ND		1	1.0	ug/L	05/06/2021 0917
Carbon tetrachloride	ND		1	1.0	ug/L	05/06/2021 0917
Chlorobenzene	ND		1	1.0	ug/L	05/06/2021 0917
Chloroethane	ND		1	2.0	ug/L	05/06/2021 0917
Chloroform	ND		1	1.0	ug/L	05/06/2021 0917
Chloromethane (Methyl chloride)	ND		1	1.0	ug/L	05/06/2021 0917
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	1.0	ug/L	05/06/2021 0917
Dibromochloromethane	ND		1	1.0	ug/L	05/06/2021 0917
1,2-Dibromoethane (EDB)	ND		1	1.0	ug/L	05/06/2021 0917
Dibromomethane (Methylene bromide)	ND		1	1.0	ug/L	05/06/2021 0917
trans-1,4-Dichloro-2-butene	ND		1	2.0	ug/L	05/06/2021 0917
1,2-Dichlorobenzene	ND		1	1.0	ug/L	05/06/2021 0917
1,4-Dichlorobenzene	ND		1	1.0	ug/L	05/06/2021 0917
1,1-Dichloroethane	ND		1	1.0	ug/L	05/06/2021 0917
1,2-Dichloroethane	ND		1	1.0	ug/L	05/06/2021 0917
1,1-Dichloroethene	ND		1	1.0	ug/L	05/06/2021 0917
cis-1,2-Dichloroethene	ND		1	1.0	ug/L	05/06/2021 0917
trans-1,2-Dichloroethene	ND		1	1.0	ug/L	05/06/2021 0917
1,2-Dichloropropane	ND		1	1.0	ug/L	05/06/2021 0917
cis-1,3-Dichloropropene	ND		1	1.0	ug/L	05/06/2021 0917
trans-1,3-Dichloropropene	ND		1	1.0	ug/L	05/06/2021 0917
Ethylbenzene	ND		1	1.0	ug/L	05/06/2021 0917
2-Hexanone	ND		1	10	ug/L	05/06/2021 0917
Methyl iodide (Iodomethane)	ND		1	5.0	ug/L	05/06/2021 0917
4-Methyl-2-pentanone	ND		1	10	ug/L	05/06/2021 0917
Methylene chloride	ND		1	1.0	ug/L	05/06/2021 0917
Styrene	ND		1	1.0	ug/L	05/06/2021 0917
1,1,1,2-Tetrachloroethane	ND		1	1.0	ug/L	05/06/2021 0917
1,1,2,2-Tetrachloroethane	ND		1	1.0	ug/L	05/06/2021 0917
Tetrachloroethene	ND		1	1.0	ug/L	05/06/2021 0917
Toluene	ND		1	1.0	ug/L	05/06/2021 0917
1,1,1-Trichloroethane	ND		1	1.0	ug/L	05/06/2021 0917
1,1,2-Trichloroethane	ND		1	1.0	ug/L	05/06/2021 0917
Trichloroethene	ND		1	1.0	ug/L	05/06/2021 0917
Trichlorofluoromethane	ND		1	1.0	ug/L	05/06/2021 0917
1,2,3-Trichloropropane	ND		1	1.0	ug/L	05/06/2021 0917
Vinyl acetate	ND		1	5.0	ug/L	05/06/2021 0917

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ91358-001
Batch: 91358
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Vinyl chloride	ND		1	1.0	ug/L	05/06/2021 0917
Xylenes (total)	ND		1	1.0	ug/L	05/06/2021 0917

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		104	70-130
Toluene-d8		107	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ91358-002
Batch: 91358
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Acetone	100	92		1	92	60-140	05/06/2021 0755
Acrylonitrile	100	98		1	98	70-130	05/06/2021 0755
Bromochloromethane	50	50		1	101	70-130	05/06/2021 0755
Bromodichloromethane	50	50		1	99	70-130	05/06/2021 0755
Bromoform	50	52		1	104	70-130	05/06/2021 0755
Bromomethane (Methyl bromide)	50	52		1	105	70-130	05/06/2021 0755
2-Butanone (MEK)	100	100		1	103	70-130	05/06/2021 0755
Carbon disulfide	50	54		1	108	70-130	05/06/2021 0755
Carbon tetrachloride	50	51		1	101	70-130	05/06/2021 0755
Chlorobenzene	50	49		1	97	70-130	05/06/2021 0755
Chloroethane	50	53		1	105	70-130	05/06/2021 0755
Chloroform	50	49		1	98	70-130	05/06/2021 0755
Chloromethane (Methyl chloride)	50	48		1	96	60-140	05/06/2021 0755
1,2-Dibromo-3-chloropropane (DBCP)	50	50		1	100	70-130	05/06/2021 0755
Dibromochloromethane	50	51		1	102	70-130	05/06/2021 0755
1,2-Dibromoethane (EDB)	50	50		1	101	70-130	05/06/2021 0755
Dibromomethane (Methylene bromide)	50	50		1	99	70-130	05/06/2021 0755
trans-1,4-Dichloro-2-butene	50	55		1	109	70-130	05/06/2021 0755
1,2-Dichlorobenzene	50	49		1	99	70-130	05/06/2021 0755
1,4-Dichlorobenzene	50	49		1	97	70-130	05/06/2021 0755
1,1-Dichloroethane	50	50		1	100	70-130	05/06/2021 0755
1,2-Dichloroethane	50	49		1	97	70-130	05/06/2021 0755
1,1-Dichloroethene	50	53		1	107	70-130	05/06/2021 0755
cis-1,2-Dichloroethene	50	50		1	101	70-130	05/06/2021 0755
trans-1,2-Dichloroethene	50	51		1	102	70-130	05/06/2021 0755
1,2-Dichloropropane	50	50		1	99	70-130	05/06/2021 0755
cis-1,3-Dichloropropene	50	53		1	106	70-130	05/06/2021 0755
trans-1,3-Dichloropropene	50	53		1	106	70-130	05/06/2021 0755
Ethylbenzene	50	52		1	104	70-130	05/06/2021 0755
2-Hexanone	100	110		1	107	70-130	05/06/2021 0755
Methyl iodide (Iodomethane)	50	51		1	103	70-130	05/06/2021 0755
4-Methyl-2-pentanone	100	100		1	105	70-130	05/06/2021 0755
Methylene chloride	50	50		1	101	70-130	05/06/2021 0755
Styrene	50	54		1	108	70-130	05/06/2021 0755
1,1,1,2-Tetrachloroethane	50	49		1	98	70-130	05/06/2021 0755
1,1,2,2-Tetrachloroethane	50	48		1	96	70-130	05/06/2021 0755
Tetrachloroethene	50	50		1	101	70-130	05/06/2021 0755
Toluene	50	51		1	102	70-130	05/06/2021 0755
1,1,1-Trichloroethane	50	50		1	100	70-130	05/06/2021 0755
1,1,2-Trichloroethane	50	49		1	98	70-130	05/06/2021 0755
Trichloroethene	50	49		1	98	70-130	05/06/2021 0755
Trichlorofluoromethane	50	52		1	104	70-130	05/06/2021 0755
1,2,3-Trichloropropane	50	49		1	98	70-130	05/06/2021 0755
Vinyl acetate	50	49		1	98	60-140	05/06/2021 0755

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ91358-002
Batch: 91358
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Vinyl chloride	50	52		1	103	70-130	05/06/2021 0755
Xylenes (total)	100	110		1	106	70-130	05/06/2021 0755

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		104	70-130
1,2-Dichloroethane-d4		99	70-130
Toluene-d8		103	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MB

Sample ID: WQ91625-001
Batch: 91625
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	LOQ	Units	Analysis Date
Benzene	ND		1	1.0	ug/L	05/08/2021 1712

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		97	70-130
1,2-Dichloroethane-d4		101	70-130
Toluene-d8		97	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - LCS

Sample ID: WQ91625-002
Batch: 91625
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Benzene	50	55		1	111	70-130	05/08/2021 1542

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		96	70-130
1,2-Dichloroethane-d4		94	70-130
Toluene-d8		96	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MS

Sample ID: WD22089-002MS
Batch: 91625
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	%Rec Limit	Analysis Date
Benzene	210	250	500		5	116	70-130	05/09/2021 0117

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		100	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		101	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Volatile Organic Compounds by GC/MS - MSD

Sample ID: WD22089-002MD
Batch: 91625
Analytical Method: 8260D

Matrix: Aqueous
Prep Method: 5030B

Parameter	Sample Amount (ug/L)	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% RPD	%Rec Limit	% RPD Limit	Analysis Date
Benzene	210	250	530		5	127	5.1	70-130	20	05/09/2021 0139

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		102	70-130

LOQ = Limit of Quantitation

ND = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Chain of Custody

and

Miscellaneous Documents

SHEALY ENVIRONMENTAL SERVICES, INC.

106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Chain of Custody Record

Number 107499

Client: CDM SMITH	Report to Contact: MAT COLONE	Telephone No. / E-mail: colonemf@cdmsmith.com	Quote No.
Address: 5400 GLENWOOD AVE SUITE 400	Sampler's Signature: x [signature]	Analysis (Attach list if more space is needed)	Page ____ of ____
City: RALEIGH (~~Binghamton~~) State: NC Zip Code: 27612	Printed Name: PATRICK KANE		WD22089
Project Name: PSC			OSD
Project No.	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab or Composite	Matrix: Aqueous	Matrix: Solid / Non-Aqueous	No of Containers by Preservative Type: Unpres.	H2SO4	HNO3	HCl	NaOH	Other	VOCs - 8260	Remarks / Cooler I.D.
OB-11	4-22-21	1330	G	✓					✓ 3			✓	WILL MOST LIKELY EXCEED EQUIPMENT BLANK LIMIT
OB-22	4-22-21	1445	G	✓					✓ 3			✓	WILL MOST LIKELY EXCEED EQUIPMENT BLANK LIMIT
P-2	4-22-21	1255	G	✓					✓ 3			✓	WILL MOST LIKELY EXCEED EQUIPMENT BLANK LIMIT
EQUIPMENT BLANK	4-22-21	1530	G	✓					✓ 3			✓	

Turn Around Time Required (Prior lab approval required for expedited TAT.)
☑ Standard ☐ Rush (Specify)

Sample Disposal
☐ Return to Client ☐ Disposal by Lab

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time
1. Relinquished by: NOAH AULICINO	4/22/21	5:57
2. Relinquished by	Date	Time
3. Relinquished by	Date	Time
4. Relinquished by	Date	Time
1. Received by	Date	Time
2. Received by	Date	Time
3. Received by	Date	Time
4. Laboratory received by: MHarvey	9/22/21	557

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on Ice (Circle) (Yes) No Ice Pack Receipt Temp: 5.6 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

PaceAnalytical

Samples Receipt Checklist (SRC) (ME0018C-15)
Issuing Authority: Pace ENV - WCOL

Revised:9/29/2020
Page 1 of 1

Sample Receipt Checklist (SRC)

Client: CDM Smith Cooler Inspected by/date: MEH / 04/22/2021 Lot #: WD22089

Means of receipt: ☐ Pace ☑ Client ☐ UPS ☐ FedEx ☐ Other: _____

☐ Yes	☑ No		1. Were custody seals present on the cooler?
☐ Yes	☐ No	☑ NA	2. If custody seals were present, were they intact and unbroken?

pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA

Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: NA

5.6 / 5.6 °C NA / NA °C NA / NA °C NA / NA °C

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C

Method of coolant: ☑ Wet Ice ☐ Ice Packs ☐ Dry Ice ☐ None

☐ Yes	☐ No	☑ NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
☐ Yes	☐ No	☑ NA	4. Is the commercial courier's packing slip attached to this form?
☑ Yes	☐ No		5. Were proper custody procedures (relinquished/received) followed?
☑ Yes	☐ No		6. Were sample IDs listed on the COC?
☑ Yes	☐ No		7. Were sample IDs listed on all sample containers?
☑ Yes	☐ No		8. Was collection date & time listed on the COC?
☑ Yes	☐ No		9. Was collection date & time listed on all sample containers?
☑ Yes	☐ No		10. Did all container label information (ID, date, time) agree with the COC?
☑ Yes	☐ No		11. Were tests to be performed listed on the COC?
☑ Yes	☐ No		12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
☑ Yes	☐ No		13. Was adequate sample volume available?
☑ Yes	☐ No		14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
☐ Yes	☑ No		15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
☐ Yes	☑ No	☐ NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (¼"or 6mm in diameter) in any of the VOA vials?
☐ Yes	☐ No	☑ NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
☐ Yes	☐ No	☑ NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
☐ Yes	☐ No	☑ NA	19. Were all applicable NH_3/TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?
☐ Yes	☐ No	☑ NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
☐ Yes	☑ No		21. Was the quote number listed on the container label? If yes, Quote #

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H_2SO_4, HNO_3, HCl, NaOH using SR # NA. Time of preservation NA. If more than one preservative is needed, please note in the comments below.

Sample(s) NA were received with bubbles >6 mm in diameter.

Samples(s) NA were received with TRC > 0.5 mg/L (If #19 is *no*) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Shealy ID: NA.

SR barcode labels applied by: MEH Date: 04/22/2021

Comments:

CDM Smith