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# GROUNDWATER MONITORING REPORT

Warren Green  
10773 West Frontage Road  
Yemassee, South Carolina  
Jasper County  
UST Permit# 04887; CA# 67756  
Solicitation# IFB-5400021335; PO# 4600968007

*Prepared By:*

 Midlands  
Environmental  
Consultants, Inc.  
231 Dooley Road, Lexington, SC 29073  
(803) 808-2043 fax: 808-2048

February 2, 2024

MECI Project No. 23-8213

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February 2, 2024

Ms. Guinevere Brown, Hydrogeologist  
Corrective Action Section  
Underground Storage Tank Management Division  
Bureau of Land and Waste Management  
South Carolina Department of Health  
and Environmental Control  
2600 Bull Street  
Columbia, South Carolina 29201


Subject: Groundwater Monitoring Report  
Warren Green  
10773 West Frontage Road  
Yemassee, South Carolina  
Jasper County  
UST Permit# 04887; CA# 67756  
MECI Project Number 23-8213  
Certified Site Rehabilitation Contractor UCC-0009

Dear Ms. Brown,

Midlands Environmental Consultants Inc. (MECI) is pleased to submit the attached Groundwater Monitoring Report for the referenced site. This report describes site activities conducted at the site in general accordance with South Carolina Department of Health and Environmental Control's (SCDHEC) Quality Assurance Program Plan for the Underground Storage Tank Management Division (QAPP).

Midlands Environmental appreciates the opportunity to offer our professional environmental services to you on this project. Please feel free to contact us at 803-808-2043 if you have any immediate questions or comments.

Sincerely,  
**Midlands Environmental Consultants, Inc.**



Jeff L. Coleman  
Senior Scientist



Bryan T. Shane, P.G.  
Principal Geologist

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\*\*Not Applicable to Report

## 1.0 INTRODUCTION

### i. Facility Information

Name: Warren Green  
 Address: 10773 West Frontage Road, Yemassee, SC 29945  
 Telephone #: N/A

### ii. Owner/Operator Information

Name: Lasonya Eady, Reginald Bascom & Everette Bascom  
 Address: 194 Oak Hill Road, Ridgeland, SC 29936  
 Telephone #: (843) 726-9038

### iii. Property Owner Information

Name: Lasonya Eady, Etal.  
 Tax Map #: Jasper County Tax Map#: 088-00-02-032  
 Address: 189 Oak Hill Road, Ridgeland, SC 29936  
 Telephone #: (843) 726-9038

### iv. Contractor Information

Name: Midlands Environmental Consultants, Inc.  
 Certification #: 9  
 Address: P. O. Box 854, Lexington, SC 29071  
 Telephone #: (803) 808-2043

### v. Facility History

<b>Release Date:</b>	5/28/2002		
<b>Estimated Quantity of Release:</b>	Unknown		
<b>Other Releases at Facility:</b>	N/A		
<b>Release Ranking:</b>	2BB		
<b>Current Site Usage:</b>	Vacant Lot		
<b>Tank #</b>	<b>Capacity/Product</b>	<b>In Use/Abandoned</b>	<b>Tank Status</b>
1	3,000 Gal. Gasoline	Rendered Non-usable	Out of compliance (9/10/2001)
2	3,000 Gal. Gasoline	Rendered Non-usable	Out of compliance (9/10/2001)
3	2,000 Gal. Gasoline	Rendered Non-usable	Out of compliance (9/10/2001)

## 2.0 RECEPTOR SURVEY & SITE DATA

### i. Known Potential Receptors

Receptor ID#	Notes
WSW-1	235 Bowers Lane, Collected from Spigot on right side of House (32.627995, -80.886757)
WSW-2	425 Bowers Lane, Collected from Spigot on Well (32.628673, -80.887550)
WSW-3	10951 Frontage Road, Collected from Spigot on Well (32.6311550, -80.8841174)
WSW-4	10943 Frontage Road, Collected from spigot on front of house (32.631229, -80.884500)
WSW-5	10939 West Frontage Road, Collected from Spigot on Well (32.6306801, -80.8847765)

### ii. Receptor Survey Results

A receptor survey was not requested as part of the approved cost agreement.

**iii. Site/Adjacent Land Usage** (Residential, Commercial, Agricultural, Industrial, etc.)

<b>Site</b>	Residential
<b>North</b>	Residential/Agricultural
<b>South</b>	Agricultural
<b>East</b>	Major Highway
<b>West</b>	Residential/Agricultural
<b>Permit #'s of UST Sites within 1,000' feet of site</b>	N/A

**3.0 SAMPLING AND CHEMICAL ANALYSES**

On January 24, 2024, MECI personnel collected groundwater samples from nineteen (19) monitoring wells and five (5) water supply wells at the subject site. During sampling activities, monitoring wells MW-2 and MW-12R were unable to be located. As approved by SCDHEC, only monitoring wells which did not bracket the watertable were to be purged prior to sample collection. Six (6) monitoring wells were purged prior to sample collection.

MECI personnel utilized an electronic water level indicator for water level measurements and an oil/water interface probe for free phase petroleum product level measurements. Where applicable, purging was completed by bailing at least five well volumes of water from the well, until pH, conductivity, dissolved oxygen and turbidity stabilized, or all water was evacuated from the well, whichever occurred first. Sampling/purging was completed utilizing a prepackaged, clear, disposable polyethylene bailer and nylon rope. A new set of nitrile gloves were worn at each monitoring well, and at all time samples were handled. Field measurements of pH, conductivity, dissolved oxygen, and water temperature were obtained before well sampling process. MECI utilized a YSI Pro20 meter for DO (mg/L) and temperature readings (°C), YSI Pro1030 meter for pH and conductivity (uS) readings and a MicroTPI turbidimeter for turbidity readings (NTU). The attached Field Data Information Sheets presents the results of the field measurements obtained. The wells were sampled in accordance with the most recent revision of SCDHEC’s Quality Assurance Program Plan for the Underground Storage Tank Management Division and the most recent revision MECI’s Standard Operating Procedures.

Groundwater samples obtained were sent to Pace Analytical Services, Inc. of Huntersville, NC (SCDHEC Laboratory Certification #99006001) for analysis.

The following sampling matrix contains well development and requested analyses for each well:

Sample ID	Purge	No Purge	Gauge Only	Low-Flow Sampling	Not Sampled	Not Located	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 8260D)	8 Oxygenates (EPA Method 8260D)	EDB (EPA Method 8011)	PAHs (EPA Method 8270E)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)	
							Analyte Sampled							
MW-1		X					X	X	X					
MW-2						X								
MW-3R		X					X	X	X					
MW-4		X					X	X	X					
MW-5		X					X	X	X					
MW-6R		X					X	X	X					
MW-7R		X					X	X	X					
Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes MTBE=Methyl tertiary butyl ether 1,2 DCA = 1,2 Dichloroethane EDB = Ethylene Dibromide														

Sample ID	Purge	No Purge	Gauge Only	Low-Flow Sampling	Not Sampled	Not Located	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 8260D)	8 Oxygenates (EPA Method 8260D)	EDB (EPA Method 8011)	PAHs (EPA Method 8270E)	Total Lead (EPA Method 6010)	BTEX, Naphthalene, MTBE, 1,2 DCA (EPA Method 524.2)	EDB (EPA Method 504.1)
Analyte Sampled													
MW-8		X					X	X	X				
MW-9		X					X	X	X				
MW-10		X					X	X	X				
MW-11R		X					X	X	X				
MW-12R						X							
MW-13R		X					X	X	X				
MW-14		X					X	X	X				
MW-15		X					X	X	X				
DW-1	X						X	X	X				
DW-2	X						X	X	X				
DW-3	X						X	X	X				
DW-4	X						X	X	X				
DW-5	X						X	X	X				
DW-6	X						X	X	X				
DUP.							X	X	X				
Field Blank							X	X	X				
Trip Blank							X	X					
WSW-1								X				X	X
WSW-2								X				X	X
WSW-3								X				X	X
WSW-4								X				X	X
WSW-5								X				X	X
WSW-DUP								X				X	X
WSW-FB								X				X	X
WSW-TB								X				X	
Notes: BTEX = Benzene, Toluene, Ethylbenzene, & Total Xylenes MTBE=Methyl tertiary butyl ether 1,2 DCA = 1,2 Dichloroethane EDB = Ethylene Dibromide													

Purge water produced by the purging process was treated on-site utilizing a granular activated carbon unit. A total of 180.00 gallons of purge water was disposed of in this manner. A disposal manifest for the referenced purge water is attached in Appendix C and the required Post-GAC laboratory results is presented in Appendix A.

#### 4.0 RESULTS AND DISCUSSION

- Review of groundwater elevation and topography indicates a groundwater flow direction to the southeast from the subject site.
- Free phase petroleum product was not detected in any of the monitoring wells. The analytical results indicate petroleum impact to the surficial aquifer with the highest dissolved concentrations being detected in the area of MW-1. Of the twenty-four sampling points analyzed, three monitoring wells (MW-1, MW-7R & MW-8) detected petroleum constituents above Risk-Based Screening Levels (RBSL's).

- Petroleum constituents detected above the established RBSL include:

<i>Compound</i>	<i>RBSL (ug/l)</i>	<i>Wells Above RBSL</i>
Product	>0.01'	N/A
Benzene	5	MW-1, MW-7R, MW-8
Toluene	1,000	MW-1, MW-7R
Ethylbenzene	700	MW-1, MW-7R
Total Xylenes	10,000	MW-1, MW-7R
Naphthalene	25	MW-7R, MW-8
MTBE	40	N/A
1,2 DCA	5	N/A
EDB	0.05	MW-7R & MW-8
TAA	240	N/A
TAME	128	N/A
ETBA	NE	RBSL Not Established
TBA	1,400	N/A
TBF	NE	RBSL Not Established
DIPE	150	N/A
Ethanol	10,000	N/A
ETBE	47	N/A
Lead	15	N/A

- In order to assess precision, field duplicate samples were collected and analyzed along with the reviewed batch samples. The duplicated samples were analyzed for the same parameters as the associated parent samples. Precision is determined by calculating the Relative Percent Differences (RPD) between each pair of samples. The RPD control limit for the groundwater samples is 20%. Duplicate samples were collected from the parent samples of MW-7R & WSW-2. The precision for the target analytes were met for these samples. Furthermore, field blanks and trip blanks were collected and submitted during the groundwater sampling activities. No detectable concentrations of the requested method constituents were reported in either of the field or trip blanks.

## 5.0 QUALIFICATIONS OF REPORT

The activities and evaluative approaches used in this assessment are consistent with those normally employed in hydrogeological assessment and waste management projects of this type. Our evaluation of site conditions has been based on our understanding of the site, project information provided to us, and data obtained in our exploration. Contents of this report are intended for the sole use of MECI and SCDHEC under mutually agreed upon terms and conditions. If other parties wish to rely on this report, please contact MECI prior to their use of this information so that a mutual understanding and agreement of the terms and conditions of our services can be established.

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## TABLES



Table # 1  
 Summary of Analytical Results - Water Samples  
 WARREN GREEN  
 Facility ID# 04887

Analytical Method		EPA 8011	EPA 8260D																
Sample ID	Constituent of Concern	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	3,3-Dimethyl-1-Butanol	Benzene	Diisopropyl ether	Ethanol	Ethyl-tert-butyl ether	Ethylbenzene	Methyl-tert-butyl ether	Naphthalene	Toluene	Xylene (Total)	m&p-Xylene	o-Xylene	tert-Amyl Alcohol	tert-Amylmethyl ether	tert-Butyl Alcohol	tert-Butyl Formate
	Date Collected (mm/dd/yy)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
DUP	01/24/2024	<b>0.31</b>	<250	<5000	<b>913</b>	<250	<10000	<500	<b>3820</b>	<250	<b>788</b>	<b>6370</b>	<b>23200</b>	16300	6960	<5000	<500	<5000	<2500
DW-1	01/24/2024	<0.021	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
DW-2	01/24/2024	<0.021	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
DW-3	01/24/2024	<0.021	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
DW-4	01/24/2024	<0.020	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
DW-5	01/24/2024	<0.021	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
DW-6	01/24/2024	<0.021	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
FB	01/24/2024	<0.021	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
MW-1	01/24/2024	<0.020	<1000	<20000	<b>2690</b>	<1000	<40000	<2000	<b>5320</b>	<1000	<1000	<b>25700</b>	<b>25300</b>	19000	6260	<20000	<2000	<20000	<10000
MW-10	01/24/2024	<0.021	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
MW-11R	01/24/2024	<0.021	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
MW-13R	01/24/2024	<0.022	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
MW-14	01/24/2024	<0.021	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
MW-15	01/24/2024	<0.021	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
MW-3R	01/24/2024	<0.021	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
MW-4	01/24/2024	<0.021	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
MW-5	01/24/2024	<0.021	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
MW-6R	01/24/2024	<0.021	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
MW-7R	01/24/2024	<b>0.36</b>	<250	<5000	<b>911</b>	<250	<10000	<500	<b>3820</b>	<250	<b>575</b>	<b>6100</b>	<b>22000</b>	15500	6530	<5000	<500	<5000	<2500
MW-8	01/24/2024	<b>0.055</b>	<25.0	<500	<b>531</b>	<25.0	<1000	<50.0	141	<25.0	<b>68.0</b>	150	428	333	94.6	<500	<50.0	<500	<250
MW-9	01/24/2024	<0.021	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
TB	01/24/2024	N/A	<5.0	<100	<5.0	<5.0	<200	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<5.0	<100	<10.0	<100	<50.0
South Carolina RBSL for Groundwater		0.05	5	N/A	5	150	10000	47	700	40	25	1000	10000	N/A	N/A	240	128	1400	N/A
South Carolina Action Levels for Groundwater		N/A	N/A	N/A	N/A	150	10000	47	N/A	N/A	N/A	N/A	N/A	N/A	N/A	240	128	1400	N/A

NOTES:  
 ND = Not Detected  
 ft. BGS = feet below ground surface  
 mg/L = milligrams per liter  
 ug/L = micrograms per liter  
**Bold data above the RBSL (Risk Based Screening Level)**

Table # 1A  
 Summary of Analytical Results - Water Samples  
 WARREN GREEN  
 Facility ID# 04887

Analytical Method		EPA 504.1										EPA 8260D							
Sample ID	Constituent of Concern	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	Benzene	Ethylbenzene	Methyl-tert-butyl ether	Naphthalene	Toluene	Xylene (Total)	m&p-Xylene	o-Xylene	3,3-Dimethyl-1-Butanol	Diisopropyl ether	Ethanol	Ethyl-tert-butyl ether	tert-Amyl Alcohol	tert-Amylmethyl ether	tert-Butyl Alcohol	tert-Butyl Formate
		Date Collected (mm/dd/yy)	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
WSW-1	01/24/2024	<0.019	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<100	<1.0	<200	<10.0	<100	<10.0	<100	<50.0
WSW-2	01/24/2024	<0.020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<100	<1.0	<200	<10.0	<100	<10.0	<100	<50.0
WSW-3	01/24/2024	<0.020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<100	<1.0	<200	<10.0	<100	<10.0	<100	<50.0
WSW-4	01/24/2024	<0.020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<100	<1.0	<200	<10.0	<100	<10.0	<100	<50.0
WSW-5	01/24/2024	<0.020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<100	<1.0	<200	<10.0	<100	<10.0	<100	<50.0
WSW-DUP	01/24/2024	<0.020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<100	<1.0	<200	<10.0	<100	<10.0	<100	<50.0
WSW-FB	01/24/2024	<0.020	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<100	<1.0	<200	<10.0	<100	<10.0	<100	<50.0
WSW-TB	01/24/2024	N/A	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<100	<1.0	<200	<10.0	<100	<10.0	<100	<50.0
South Carolina RBSL for Groundwater		0.05	5	5	700	40	25	1000	10000	N/A	N/A	N/A	150	10000	47	240	128	1400	N/A
South Carolina Action Levels for Groundwater		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	150	10000	47	240	128	1400	N/A

NOTES:  
 ND = Not Detected  
 ft. BGS = feet below ground surface  
 mg/L = milligrams per liter  
 ug/L = micrograms per liter  
**Bold data above the RBSL (Risk Based Screening Level)**

**Table 2**  
**Site Activity Summary**



UST Permit #: 04887  
 Facility Name: Warren Green  
 County: Jasper  
 Field Personnel: H.Sloan, D. George

Sample ID	Sampled?	Date	Time	Screened Interval	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	TOC Elevation	Groundwater Elevation	Initial DO (mg/l)	# Gals. Purged	Comments
MW-1	Y	1/24/24	12:45	2-12	***	4.65	***	97.69	93.04	2.01	0.00	Strong Odor
MW-2	N	1/24/24	NL	5-15	***	NL	***	98.61	NL	NL	0.00	NL = Not Located, Possibly under gravel/resurfacing debris
MW-3R	Y	1/24/24	12:05	5-20	***	7.77	***	98.19	90.42	2.07	0.00	No Odor
MW-4	Y	1/24/24	12:30	5-20	***	5.85	***	98.32	92.47	4.36	0.00	No Odor
MW-5	Y	1/24/24	11:01	5-20	***	5.06	***	96.88	91.82	3.30	0.00	No Odor, Vault/Pad heavily damaged, Added Well Lid
MW-6R	Y	1/24/24	11:03	5-20	***	5.23	***	96.90	91.67	2.13	0.00	No Odor
MW-7R	Y	1/24/24	12:38	5-20	***	5.45	***	97.69	92.24	3.61	0.00	Odor
MW-8	Y	1/24/24	11:31	5-20	***	7.67	***	99.44	91.77	1.65	0.00	Odor
MW-9	Y	1/24/24	11:23	5-20	***	7.57	***	99.32	91.75	3.01	0.00	No Odor
MW-10	Y	1/24/24	11:10	5-20	***	9.30	***	101.26	91.96	3.80	0.00	No Odor
MW-11R	Y	1/24/24	11:13	5-20	***	7.34	***	101.38	94.04	2.89	0.00	No Odor
MW-12R	N	1/24/24	NL	5-20	***	NL	***	98.12	NL	NL	0.00	NL = Not Located, Possibly destroyed
MW-13R	Y	1/24/24	11:43	5-20	***	5.53	***	97.33	91.80	2.64	0.00	No Odor, Replaced Well Cap
MW-14	Y	1/24/24	11:50	5-20	***	5.65	***	97.39	91.74	5.68	0.00	No Odor
MW-15	Y	1/24/24	11:58	5-20	***	5.06	***	97.22	92.16	3.60	0.00	No Odor
											0.00	<b>TOTAL GALLONS PURGED</b>

**Table 2**  
**Site Activity Summary**



UST Permit #: 04887  
 Facility Name: Warren Green  
 County: Jasper  
 Field Personnel: H.Sloan, D. George

Sample ID	Sampled?	Date	Time	Screened Interval	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	TOC Elevation	Groundwater Elevation	Initial DO (mg/l)	# Gals. Purged	Comments
DW-1	Y	1/24/24	13:35	45-50	***	7.37	***	97.84	90.47	3.65	35.00	No Odor
DW-2	Y	1/24/24	12:45	45-50	***	5.35	***	98.31	92.96	5.27	22.00	No Odor
DW-3	Y	1/24/24	10:55	45-50	***	11.65	***	96.83	85.18	5.70	19.00	No Odor
DW-4	Y	1/24/24	10:55	45-50	***	10.53	***	96.75	86.22	4.17	20.00	No Odor
DW-5	Y	1/24/24	13:55	80-85	***	1.20	***	98.09	96.89	5.44	42.00	No Odor
DW-6	Y	1/24/24	12:20	80-85	***	0.03	***	99.26	99.23	2.50	42.00	Organic Odor
DUP-1	Y	1/24/24	12:38	***	***	***	***	***	***	***	***	Duplicate of MW-7R
Field Blank	Y	1/24/24	14:03	***	***	***	***	***	***	***	***	Field Blank
Trip Blank	Y	1/24/24	8:00	***	***	***	***	***	***	***	***	Trip Blank
WSW-1	Y	1/24/24	14:20	***	***	***	***	***	***	***	***	235 Bowers Lane, Collected from Spigot on right side of House (32.627995, -80.886757)
WSW-2	Y	1/24/24	14:10	***	***	***	***	***	***	***	***	425 Bowers Lane, Collected from Spigot on Well (32.628673, -80.887550)
WSW-3	Y	1/24/24	14:30	***	***	***	***	***	***	***	***	10951 Frontage Road, Collected from Spigot on Well (32.6311550, -80.8841174)
WSW-4	Y	1/24/24	14:35	***	***	***	***	***	***	***	***	10943 Frontage Road, Collected from spigot on front of house (32.631229, -80.884500)
WSW-5	Y	1/24/24	14:42	***	***	***	***	***	***	***	***	10939 West Frontage Road, Collected from Spigot on Well(32.6306801, -80.8847765)
WSW-DUP	Y	1/24/24	14:10	***	***	***	***	***	***	***	***	Duplicate of WSW-2
											180.00	<b>TOTAL GALLONS PURGED</b>

**Table 2**  
**Site Activity Summary**

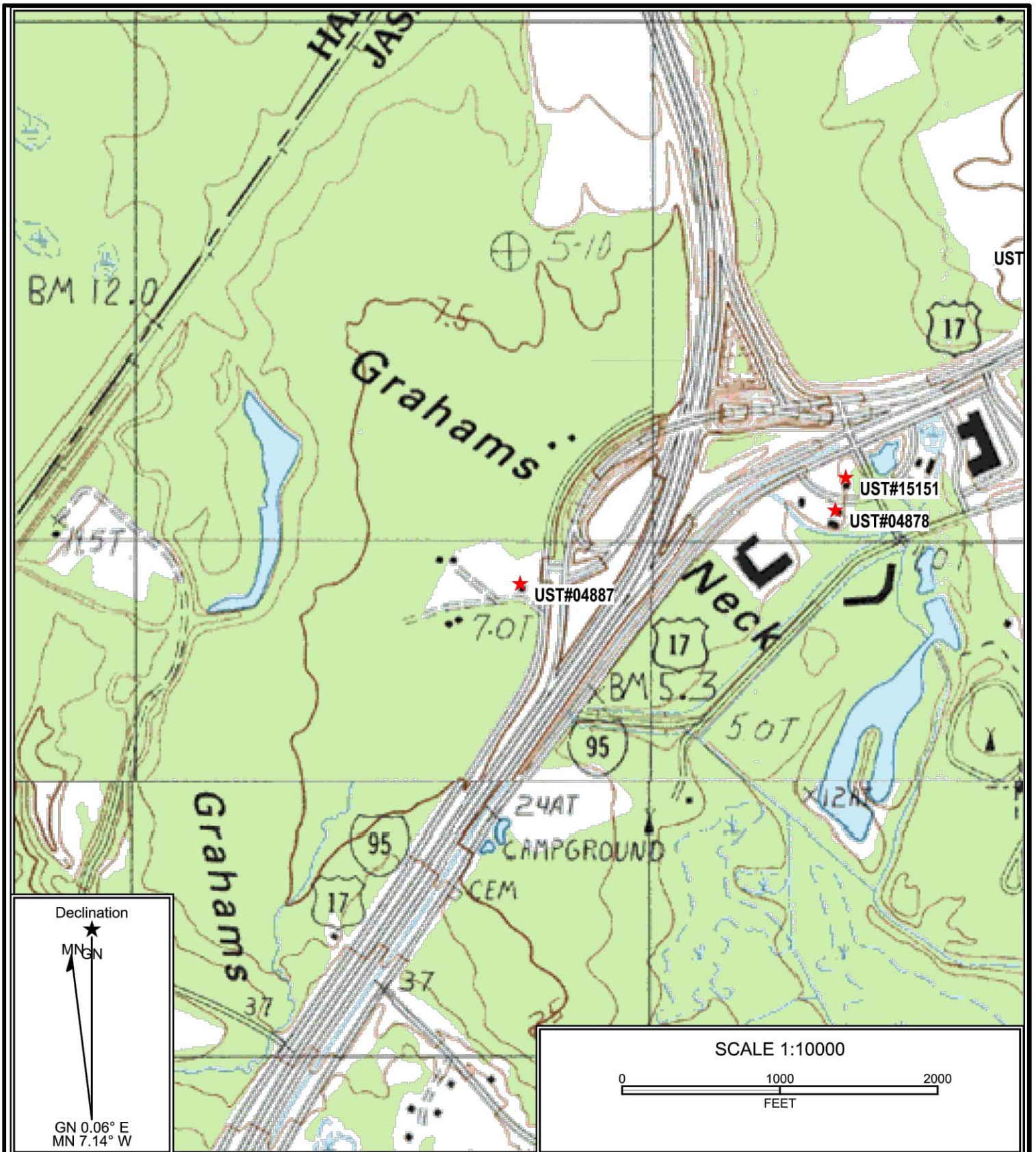


UST Permit #: 04887  
 Facility Name: Warren Green  
 County: Jasper  
 Field Personnel: H.Sloan, D. George

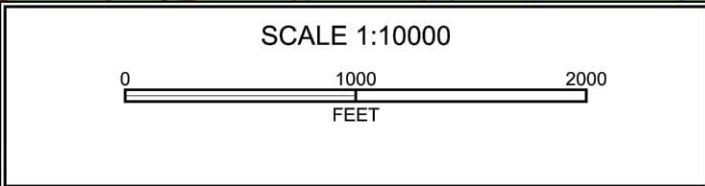
Sample ID	Sampled?	Date	Time	Screened Interval	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	TOC Elevation	Groundwater Elevation	Initial DO (mg/l)	# Gals. Purged	Comments
Field Blank	Y	1/24/24	14:50	***	***	***	***	***	***	***	***	Field Blank
Trip Blank	Y	1/24/24	8:00	***	***	***	***	***	***	***	***	Trip Blank
											0.00	<b>TOTAL GALLONS PURGED</b>

## FIGURES





Declination  
 GN 0.06° E  
 MN 7.14° W



Reference: McPhersonville, South Carolina  
 USGS 7.5 Min. Quad  
 Contour Interval - 1.50 Meters

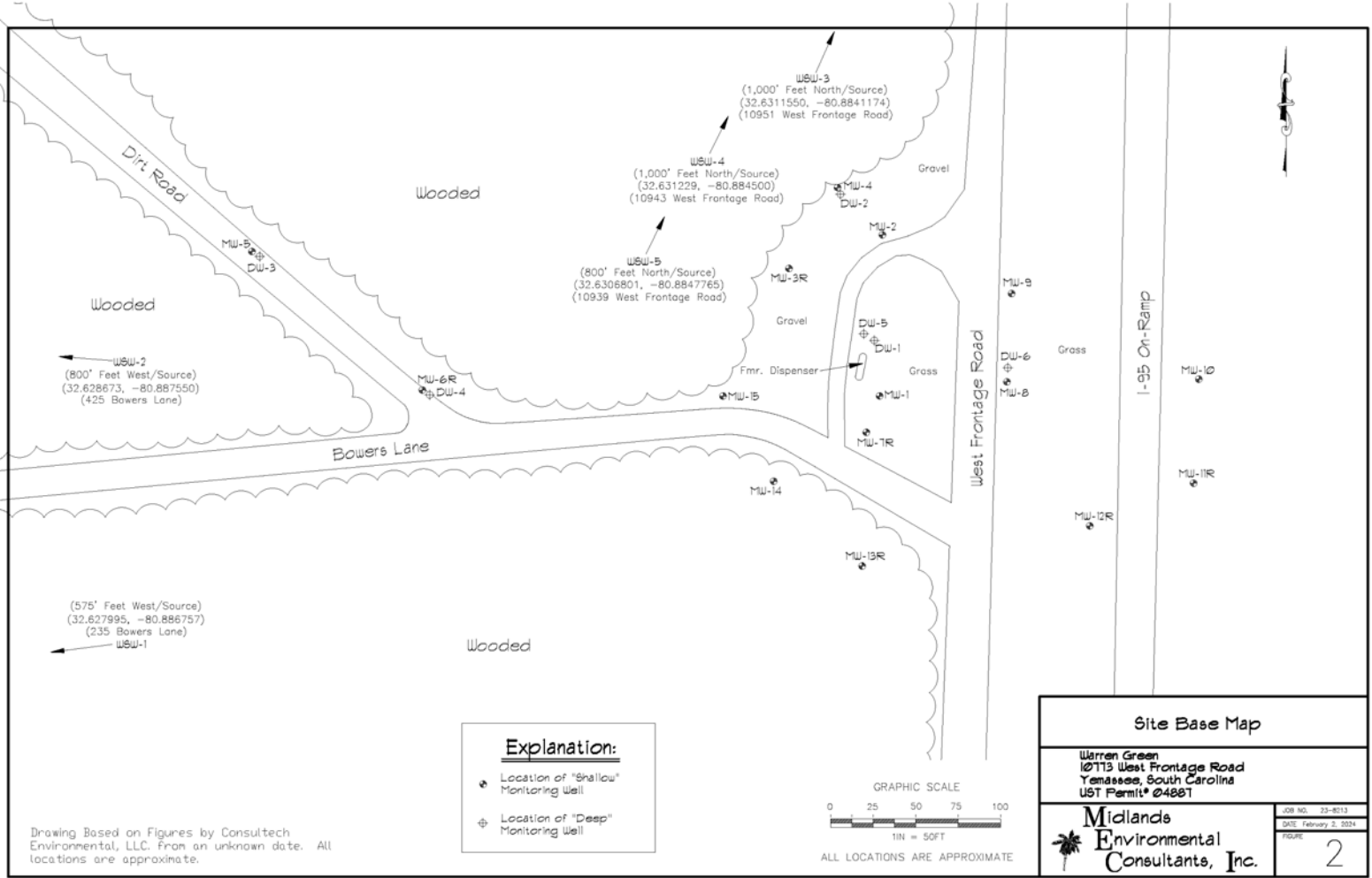
Midlands  
 Environmental  
 Consultants, Inc.

Site Location

Warren Green  
 10773 West Frontage Road, Yemassee, SC  
 UST Permit# 00712

Figure 1

MECI# 23-8213



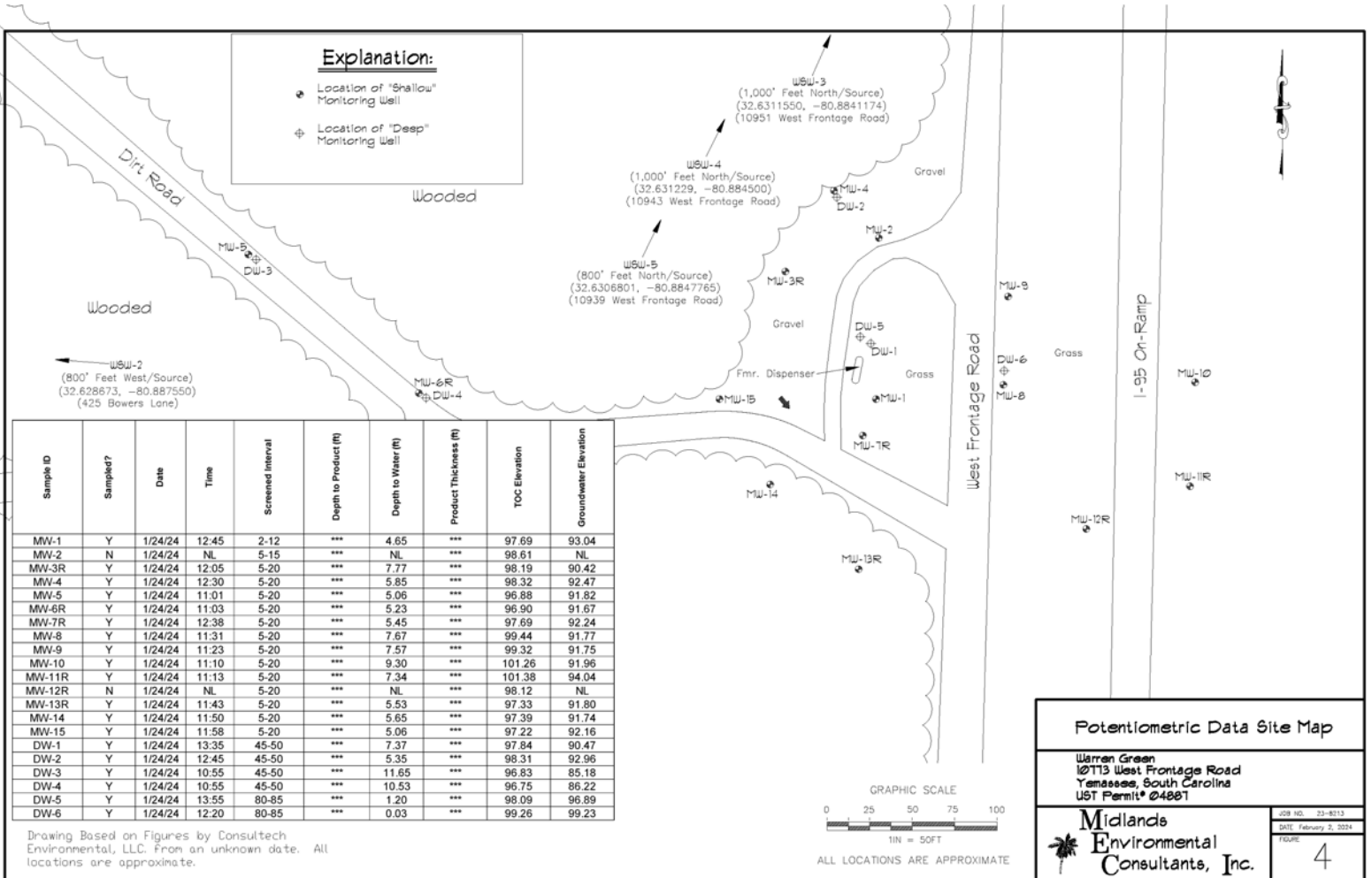
Drawing Based on Figures by Consultech Environmental, LLC. From an unknown date. All locations are approximate.





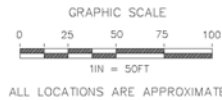
**Explanation:**

- ⊕ Location of "Shallow" Monitoring Well
- ⊕ Location of "Deep" Monitoring Well



Sample ID	Sampled?	Date	Time	Screened Interval	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	TOC Elevation	Groundwater Elevation
MW-1	Y	1/24/24	12:45	2-12	***	4.65	***	97.69	93.04
MW-2	N	1/24/24	NL	5-15	***	NL	***	98.61	NL
MW-3R	Y	1/24/24	12:05	5-20	***	7.77	***	98.19	90.42
MW-4	Y	1/24/24	12:30	5-20	***	5.85	***	98.32	92.47
MW-5	Y	1/24/24	11:01	5-20	***	5.06	***	96.88	91.82
MW-6R	Y	1/24/24	11:03	5-20	***	5.23	***	96.90	91.67
MW-7R	Y	1/24/24	12:38	5-20	***	5.45	***	97.69	92.24
MW-8	Y	1/24/24	11:31	5-20	***	7.67	***	99.44	91.77
MW-9	Y	1/24/24	11:23	5-20	***	7.57	***	99.32	91.75
MW-10	Y	1/24/24	11:10	5-20	***	9.30	***	101.26	91.96
MW-11R	Y	1/24/24	11:13	5-20	***	7.34	***	101.38	94.04
MW-12R	N	1/24/24	NL	5-20	***	NL	***	98.12	NL
MW-13R	Y	1/24/24	11:43	5-20	***	5.53	***	97.33	91.80
MW-14	Y	1/24/24	11:50	5-20	***	5.65	***	97.39	91.74
MW-15	Y	1/24/24	11:58	5-20	***	5.06	***	97.22	92.16
DW-1	Y	1/24/24	13:35	45-50	***	7.37	***	97.84	90.47
DW-2	Y	1/24/24	12:45	45-50	***	5.35	***	98.31	92.96
DW-3	Y	1/24/24	10:55	45-50	***	11.65	***	96.83	85.18
DW-4	Y	1/24/24	10:55	45-50	***	10.53	***	96.75	86.22
DW-5	Y	1/24/24	13:55	80-85	***	1.20	***	98.09	96.89
DW-6	Y	1/24/24	12:20	80-85	***	0.03	***	99.26	99.23

Drawing Based on Figures by Consultech Environmental, LLC. From an unknown date. All locations are approximate.



**Potentiometric Data Site Map**

Warren Green  
 10713 West Frontage Road  
 Yemassee, South Carolina  
 UST Permit # 04881

**Midlands Environmental Consultants, Inc.**

JOB NO. 23-8513  
 DATE February 2, 2024  
 FIGURE 4

**APPENDIX A:**

**SAMPLING LOGS, LABORATORY DATA SHEETS, & CHAIN-OF-CUSTODY FORMS**



## Monitoring Well Purge And Sampling Data

②

Field Personnel: DGHS  
 Sampling Date(s): 01/23/24  
 Sampling Case#: 2

Job Name: Warren Green  
 Job Number: 23-8213

**Calibration Data for :**  
 Calibration Successful? Yes or No (Please Circle)  
 pH: Yes / No  
 Conductivity: Yes / No  
 Dissolved Oxygen: Yes / No  
 Turbidity: Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	initial H <sub>2</sub> O	final H <sub>2</sub> O			**calc.	actual	
mw-1	Initial	12:45	5.45	124.6	16.0	2.01	8.95								Strong odor
	1st														
	2nd														
	3rd														
	4th														
	5th														
mw-2	Initial														NL
	1st														
	2nd														
	3rd														
	4th														
	5th														
mw-3R	Initial	12:05	5.46	126.1	17.7	2.07	6.71								no odor cont add bath no odor
	1st														
	2nd														
	3rd														
	4th														
	5th														
mw-4	Initial	12:30	6.15	154.3	17.4	4.36	7.28								no odor
	1st														
	2nd														
	3rd														
	4th														
	5th														

\* = (Depth of Well) - (Depth to Water) = Water Height  
 \*\* = One Well Volume x 2 = Gallons Purged (calculated)  
 One Well Volume = x.047 for 1" wells, x.163 for 2" wells, or x.66 for 4" wells, 1.469 for 6" wells

Casing	Gallons
1"	0.047
2"	0.163
4"	0.663
6"	1.469

### Monitoring Well Purge And Sampling Data

Field Personnel: DG, HS  
 Sampling Date(s): 01/27/24  
 Sampling Case#: 2

Job Name: Warren Green  
 Job Number: 23-8213

Calibration Data for:  
 Calibration Successful?  Yes or No (Please Circle)  No  
 pH:  Yes  No  
 Conductivity:  Yes  No  
 Dissolved Oxygen:  Yes  No  
 Turbidity:  Conductivity  Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes	
								product	Initial H <sub>2</sub> O	final H <sub>2</sub> O			**calc.	actual		
mw-5	Initial	11:01	7.39	76.4	16.8	3.30	8.29				5.06	5	-	-	-	no odor vault/ped dmg add ball
	1st											20	-	-	-	
	2nd												-	-	-	
	3rd												-	-	-	
	4th												-	-	-	
	5th												-	-	-	
Sampling																
mw-6R	Initial	11:03	7.16	85.3	15.9	2.13	7.05				5.23	5	-	-	-	no odor cont acid balls
	1st											20	-	-	-	
	2nd												-	-	-	
	3rd												-	-	-	
	4th												-	-	-	
	5th												-	-	-	
Sampling																
mw-7R	Initial	12:38	6.36	82.4	18.3	3.61	9.82				5.45	5	-	-	-	odor cont acid balls Dist
	1st											20	-	-	-	
	2nd												-	-	-	
	3rd												-	-	-	
	4th												-	-	-	
	5th												-	-	-	
Sampling																
mw-8	Initial	11:31	6.06	122.5	18.4	1.65	7.58				7.67	5	-	-	-	odor
	1st											20	-	-	-	
	2nd												-	-	-	
	3rd												-	-	-	
	4th												-	-	-	
	5th												-	-	-	
Sampling																

\* = (Depth of Well) - (Depth to Water) = Water Height  
 One Well Volume = x .047 for 1" wells, x .163 for 2" wells, or x .66 for 4" wells, 1.489 for 6" wells  
 \*\* = One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.489

Sampling Case#	PH/Conductance	DO	turbidity
Case #1	15H101448	17E100002	201301183
Case #2	15E101481	14H103698	201301174
Case #3	17E100512	17E103488	201510251





## Monitoring Well Purge And Sampling Data

Field Personnel: DGHS  
 Sampling Date(s): 01/23/24  
 Sampling Case#: 2

Job Name: Warren Green  
 Job Number: 23-8213

Calibration Data for:  
 Calibration Successful?  Yes or No (Please Circle)  
 pH:  Yes  No  
 Conductivity:  Yes  No  
 Dissolved Oxygen:  Yes  No  
 Turbidity:  Conductivity  Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(l)	cond(l)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H <sub>2</sub> O	final H <sub>2</sub> O			**calc.	actual	
MW-9	Initial	11:23	8.91	98.3	18.9	3.01	8.15				5				no odor
	1st										20				
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-10	Initial	11:10	7.08	130.1	19.5	3.80	9.26				5				no odor
	1st										20				
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-11R	Initial	11:13	6.06	169.2	18.9	2.89	8.68				5				no odor
	1st										20				
	2nd														
	3rd														
	4th														
	5th														
	Sampling														
MW-12R	Initial										5				NL
	1st										20				
	2nd														
	3rd														
	4th														
	5th														
	Sampling														

\* = (Depth of Well) - (Depth to Water) = Water Height  
 One Well Volume = x.047 for 1" wells, x.163 for 2" wells, or x.66 for 4" wells, 1.489 for 6" wells  
 \*\* = One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.489

Sampling Case#	pH/Conductance SN	DO SN	Turbidity
Case #1	1501448	17E101302	201301183
Case #2	1701481	14H103098	201301174
Case #3	17E10512	17E103488	201510251



## Monitoring Well Purge And Sampling Data

Field Personnel: DG, HS  
 Sampling Date(s): 01/23/24  
 Sampling Case#: 2

Job Name: Warren Green  
 Job Number: 23-8213

Calibration Data for :  
 Calibration Successful? Yes or No (Please Circle)  
 pH:  Yes  No  
 Conductivity:  Yes  No  
 Dissolved Oxygen:  Yes  No  
 Turbidity:  Conductivity  Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H <sub>2</sub> O	final H <sub>2</sub> O			**calc.	actual	
mw-13R	Initial	11:43	5.93	86.0	17.5	2.64	6.83				5	-	-	-	no odor cont add bolts replaced cap
	1st										5	-	-	-	
	2nd										20	-	-	-	
	3rd											-	-	-	
	4th											-	-	-	
	5th											-	-	-	
Sampling															
mw-14	Initial	11:50	5.67	96.8	17.6	5.68	7.15				5	-	-	-	no odor
	1st										5	-	-	-	
	2nd										20	-	-	-	
	3rd											-	-	-	
	4th											-	-	-	
	5th											-	-	-	
Sampling															
mw-15	Initial	11:58	5.48	98.9	17.9	3.60	8.28				5	-	-	-	no odor cont add bolts
	1st										5	-	-	-	
	2nd										20	-	-	-	
	3rd											-	-	-	
	4th											-	-	-	
	5th											-	-	-	
Sampling															
Dw-1	Initial	12:55	5.91	165.2	18.0	3.65	6.83				45				no odor
	1st	13:03	6.03	168.9	19.6	3.91	8.67				50				
	2nd	13:10	6.11	171.2	19.8	3.86	12.15								
	3rd	13:18	6.19	173.5	19.9	3.92	14.12								
	4th	13:26	6.27	176.1	20.2	3.99	10.35								
	5th	13:35	6.35	178.2	20.3	4.15	9.66								
Sampling											42.63	6.94	35		
												34.74			

\* = (Depth of Well) - (Depth to Water) = Water Height  
 \*\* = One Well Volume x 5 = Gallons Purged (calculated)  
 One Well Volume = x.047 for 1" wells \* x.163 for 2" wells, or \* x.66 for 4" wells, 1.469 for 6" wells

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	pH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301177
Case #3	17E100512	17E103488	20181025





## Monitoring Well Purge And Sampling Data

Field Personnel: DG, HS  
 Sampling Date(s): 01/27/24  
 Sampling Case#: 2

Job Name: Warren Green  
 Job Number: 23-8213

Calibration Data for:  
 Calibration Successful?  Yes or No (Please Circle)  
 pH:  Yes  No  
 Conductivity:  Yes  No  
 Dissolved Oxygen:  Yes  No  
 Turbidity:  Yes  No  
 Conductivity Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	Initial H <sub>2</sub> O	final H <sub>2</sub> O			**calc.	actual	
Dw-2	Initial	12:12	5.84	152.6	17.3	5.27	6.55	5.35	-	45	44.65	7.27	Stable @	no odor	
	1st	12:20	6.12	178.7	19.2	6.15	8.92								
	2nd	12:28	6.14	178.9	19.4	6.18	8.98								
	3rd	12:36	6.16	179.3	19.6	6.21	9.11								
	4th														
	5th														
Sampling	12:45	6.18	180.1	19.8	6.23	9.07						36.38	22gal		
Dw-3	Initial	10:24	8.32	78.6	17.6	5.70	7.53	11.65	-	45	38.75	6.25	Stable @	no odor	
	1st	10:32	8.65	95.2	18.8	6.46	9.68								
	2nd	10:40	8.67	95.6	19.0	6.50	9.70								
	3rd	10:48	8.69	95.8	19.2	6.53	9.95								
	4th														
	5th														
Sampling	10:55	8.71	96.1	19.3	6.55	9.42						31.25	19gal	cont add bolts	
Dw-4	Initial	10:21	7.54	130.0	17.5	4.17	6.23	10.53	-	45	39.47	6.43	Stable @	no odor	
	1st	10:29	7.82	165.6	18.2	5.65	8.62								
	2nd	10:36	7.85	165.8	18.4	5.68	8.70								
	3rd	10:44	7.87	166.1	18.5	5.92	8.75								
	4th														
	5th														
Sampling	10:55	7.89	166.3	18.6	5.80	8.40						32.16	20gal	cont added bolts	
Dw-5	Initial	12:57	6.54	136.5	15.8	5.49	5.88	1.20	-	80	83.80	13.65	Stable @	no odor	
	1st	13:12	7.26	190.7	18.6	6.03	8.09								
	2nd	13:27	7.30	191.2	18.8	6.08	8.15								
	3rd	13:42	7.33	191.8	18.9	6.70	8.19								
	4th														
	5th														
Sampling	13:55	7.35	191.4	19.2	6.72	8.08						68.29	42gal		

\* = (Depth of Well) - (Depth to Water) = Water Height  
 One Well Volume = x.047 for 1" wells, x.163 for 2" wells, or \* x .66 for 4" wells, 1.469 for 6" wells  
 \*\* = One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	pH/Conductance SN	DO SN
Case #1	15H101448	17E101302
Case #2	15E101481	14H103098
Case #3	17E100512	17E103488





## Monitoring Well Purge And Sampling Data

Field Personnel: DGHS  
 Sampling Date(s): 01/27/24  
 Sampling Case#: 2

Job Name: Warren Green  
 Job Number: 23-8213

Calibration Data for:  
 Calibration Successful?  Yes or No (Please Circle)  
 pH:  Yes  No  
 Conductivity:  Yes  No  
 Dissolved Oxygen:  Yes  No  
 Turbidity:  Conductivity  Calibrated Every 3 Months by QA Manager

Well No.	Purge Volume	Sample Time	pH(i)	cond(i)	Temp. (°C)	DO (mg/l)	Turbidity (NTU)	Depth to (feet):			Well Depth (feet)	Water Height *(feet)	Gallons Purged		Notes
								product	initial H <sub>2</sub> O	final H <sub>2</sub> O			**calc.	actual	
Dw-6	Initial	11:21	6.59	157.7	16.4	2.50	7.92								
	1st	11:36	7.02	146.5	18.3	3.39	7.16								
	2nd	11:51	7.09	146.3	18.6	3.40	9.23								
	3rd	12:07	7.11	146.0	18.8	3.44	9.29								
	4th														
	5th														
	Sampling	12:20	7.12	145.8	19.0	3.48	9.04								
Deep-1 FB TB	Initial														
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling	8:00													
WSW-1 WSW-2 Dup WSW-3	Initial	14:20													
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling	14:30													
WSW-4 WSW-5 WSW-dup WSW-FB	Initial	14:35													
	1st														
	2nd														
	3rd														
	4th														
	5th														
	Sampling	14:50													

\* (Depth of Well) - (Depth to Water) = Water Height  
 One Well Volume = x.047 for 1" wells, x.163 for 2" wells, or x.66 for 4" wells, 1.469 for 6" wells  
 \*\* = One Well Volume x 5 = Gallons Purged (calculated)

Casing	Gallons
1"	0.047
2"	0.163
4"	0.653
6"	1.469

Sampling Case#	PH/Conductance SN	DO SN	Turbidity
Case #1	15H101448	17E101302	201301183
Case #2	15E101481	14H103098	201301174
Case #3	17E100512	17E103488	201510251



February 01, 2024

Guinevere Brown  
SCDHEC  
2600 Bull Street  
Columbia, SC 29201

RE: Project: WARREN GREEN 4887/67757  
Pace Project No.: 92710454

Dear Guinevere Brown:

Enclosed are the analytical results for sample(s) received by the laboratory on January 26, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

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

Sincerely,

Jonathan W Biddix  
jonathan.biddix@pacelabs.com  
704-977-0978  
Project Manager

Enclosures

cc: Jeff Coleman, Midlands Environmental Consultants, Inc.  
Robert Dunn, SCDHEC



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

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### Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92710454001	MW-1	EPA 8011	HH	2	PASI-C
		EPA 8260D	JJK	20	PASI-C
92710454002	MW-3R	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92710454003	MW-4	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92710454004	MW-5	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92710454005	MW-6R	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92710454006	MW-7R	EPA 8011	HH	2	PASI-C
		EPA 8260D	JJK	20	PASI-C
92710454007	MW-8	EPA 8011	HH	2	PASI-C
		EPA 8260D	JJK	20	PASI-C
92710454008	MW-9	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92710454009	MW-10	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92710454010	MW-11R	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92710454011	MW-13R	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92710454012	MW-14	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92710454013	MW-15	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92710454014	DW-1	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92710454015	DW-2	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92710454016	DW-3	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92710454017	DW-4	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92710454018	DW-5	EPA 8011	HH	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92710454019	DW-6	EPA 8011	HH	2	PASI-C

### REPORT OF LABORATORY ANALYSIS

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**SAMPLE ANALYTE COUNT**

Project: WARREN GREEN 4887/67757  
 Pace Project No.: 92710454

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92710454020	DUP	EPA 8260D	SAS	20	PASI-C
		EPA 8011	HH	2	PASI-C
92710454021	FB	EPA 8260D	LMB	20	PASI-C
		EPA 8011	HH	2	PASI-C
92710454022	TB	EPA 8260D	LMB	20	PASI-C
		EPA 8260D	LMB	20	PASI-C
92710454023	WSW-1	EPA 504.1	HH	2	PASI-C
		EPA 524.2	LMB	11	PASI-C
		EPA 8260D	LMB	11	PASI-C
92710454024	WSW-2	EPA 504.1	HH	2	PASI-C
		EPA 524.2	LMB	11	PASI-C
		EPA 8260D	LMB	11	PASI-C
92710454025	WSW-3	EPA 504.1	HH	2	PASI-C
		EPA 524.2	LMB	11	PASI-C
		EPA 8260D	LMB	11	PASI-C
92710454026	WSW-4	EPA 504.1	HH	2	PASI-C
		EPA 524.2	LMB	11	PASI-C
		EPA 8260D	LMB	11	PASI-C
92710454027	WSW-5	EPA 504.1	HH	2	PASI-C
		EPA 524.2	LMB	11	PASI-C
		EPA 8260D	LMB	11	PASI-C
92710454028	WSW-DUP	EPA 504.1	HH	2	PASI-C
		EPA 524.2	LMB	11	PASI-C
		EPA 8260D	LMB	11	PASI-C
92710454029	WSW-FB	EPA 504.1	HH	2	PASI-C
		EPA 524.2	LMB	11	PASI-C
		EPA 8260D	LMB	11	PASI-C
92710454030	WSW-TB	EPA 524.2	LMB	11	PASI-C
		EPA 8260D	LMB	11	PASI-C

PASI-C = Pace Analytical Services - Charlotte

**REPORT OF LABORATORY ANALYSIS**

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**SUMMARY OF DETECTION**

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92710454001</b>	<b>MW-1</b>					
EPA 8260D	Benzene	2690	ug/L	1000	01/29/24 17:28	
EPA 8260D	Ethylbenzene	5320	ug/L	1000	01/29/24 17:28	
EPA 8260D	Toluene	25700	ug/L	1000	01/29/24 17:28	
EPA 8260D	Xylene (Total)	25300	ug/L	1000	01/29/24 17:28	
EPA 8260D	m&p-Xylene	19000	ug/L	2000	01/29/24 17:28	
EPA 8260D	o-Xylene	6260	ug/L	1000	01/29/24 17:28	
<b>92710454006</b>	<b>MW-7R</b>					
EPA 8011	1,2-Dibromoethane (EDB)	0.36	ug/L	0.021	01/30/24 17:21	
EPA 8260D	Benzene	911	ug/L	250	01/29/24 17:46	
EPA 8260D	Ethylbenzene	3820	ug/L	250	01/29/24 17:46	
EPA 8260D	Naphthalene	575	ug/L	250	01/29/24 17:46	
EPA 8260D	Toluene	6100	ug/L	250	01/29/24 17:46	
EPA 8260D	Xylene (Total)	22000	ug/L	250	01/29/24 17:46	
EPA 8260D	m&p-Xylene	15500	ug/L	500	01/29/24 17:46	
EPA 8260D	o-Xylene	6530	ug/L	250	01/29/24 17:46	
<b>92710454007</b>	<b>MW-8</b>					
EPA 8011	1,2-Dibromoethane (EDB)	0.055	ug/L	0.021	01/30/24 17:31	
EPA 8260D	Benzene	531	ug/L	25.0	01/29/24 18:04	
EPA 8260D	Ethylbenzene	141	ug/L	25.0	01/29/24 18:04	
EPA 8260D	Naphthalene	68.0	ug/L	25.0	01/29/24 18:04	
EPA 8260D	Toluene	150	ug/L	25.0	01/29/24 18:04	
EPA 8260D	Xylene (Total)	428	ug/L	25.0	01/29/24 18:04	
EPA 8260D	m&p-Xylene	333	ug/L	50.0	01/29/24 18:04	
EPA 8260D	o-Xylene	94.6	ug/L	25.0	01/29/24 18:04	
<b>92710454020</b>	<b>DUP</b>					
EPA 8011	1,2-Dibromoethane (EDB)	0.31	ug/L	0.021	01/30/24 19:49	
EPA 8260D	Benzene	913	ug/L	250	01/30/24 23:24	
EPA 8260D	Ethylbenzene	3820	ug/L	250	01/30/24 23:24	
EPA 8260D	Naphthalene	788	ug/L	250	01/30/24 23:24	
EPA 8260D	Toluene	6370	ug/L	250	01/30/24 23:24	
EPA 8260D	Xylene (Total)	23200	ug/L	250	01/30/24 23:24	
EPA 8260D	m&p-Xylene	16300	ug/L	500	01/30/24 23:24	
EPA 8260D	o-Xylene	6960	ug/L	250	01/30/24 23:24	

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## PROJECT NARRATIVE

Project: WARREN GREEN 4887/67757  
Pace Project No.: 92710454

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**Method:** EPA 504.1  
**Description:** 504 GCS EDB and DBCP  
**Client:** SCDHEC  
**Date:** February 01, 2024

**General Information:**

7 samples were analyzed for EPA 504.1 by Pace Analytical Services Charlotte. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 504.1 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

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**Method:** EPA 8011

**Description:** 8011 GCS EDB and DBCP

**Client:** SCDHEC

**Date:** February 01, 2024

**General Information:**

21 samples were analyzed for EPA 8011 by Pace Analytical Services Charlotte. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Sample Preparation:**

The samples were prepared in accordance with EPA 8011 with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: WARREN GREEN 4887/67757  
Pace Project No.: 92710454

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**Method:** EPA 524.2  
**Description:** 524.2 MSV SC List  
**Client:** SCDHEC  
**Date:** February 01, 2024

**General Information:**

8 samples were analyzed for EPA 524.2 by Pace Analytical Services Charlotte. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: WARREN GREEN 4887/67757  
Pace Project No.: 92710454

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**Method:** EPA 8260D  
**Description:** 8260 MSV Low Level SC  
**Client:** SCDHEC  
**Date:** February 01, 2024

**General Information:**

8 samples were analyzed for EPA 8260D by Pace Analytical Services Charlotte. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Initial Calibrations (including MS Tune as applicable):**

All criteria were within method requirements with any exceptions noted below.

**Continuing Calibration:**

All criteria were within method requirements with any exceptions noted below.

**Internal Standards:**

All internal standards were within QC limits with any exceptions noted below.

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

**Method:** EPA 8260D

**Description:** 8260 MSV

**Client:** SCDHEC

**Date:** February 01, 2024

### General Information:

22 samples were analyzed for EPA 8260D by Pace Analytical Services Charlotte. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

### Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

### Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

### Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: 828566

v1: The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

- BLANK (Lab ID: 4283229)
  - Naphthalene
- DW-1 (Lab ID: 92710454014)
  - Naphthalene
- DW-2 (Lab ID: 92710454015)
  - Naphthalene
- DW-3 (Lab ID: 92710454016)
  - Naphthalene
- DW-4 (Lab ID: 92710454017)
  - Naphthalene
- DW-5 (Lab ID: 92710454018)
  - Naphthalene
- DW-6 (Lab ID: 92710454019)
  - Naphthalene
- LCS (Lab ID: 4283230)
  - Naphthalene

v2: The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

- DUP (Lab ID: 4283231)
  - 1,2-Dichloroethane

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

- MS (Lab ID: 4283232)
  - 1,2-Dichloroethane

### Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

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**Method:** EPA 8260D

**Description:** 8260 MSV

**Client:** SCDHEC

**Date:** February 01, 2024

**Surrogates:**

All surrogates were within QC limits with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: MW-1	Lab ID: 92710454001	Collected: 01/24/24 12:45	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	01/30/24 15:15	01/30/24 20:07	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	107	%	60-140	1	01/30/24 15:15	01/30/24 20:07	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	20000	200		01/29/24 17:28	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2000	200		01/29/24 17:28	994-05-8	
Benzene	2690	ug/L	1000	200		01/29/24 17:28	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	20000	200		01/29/24 17:28	624-95-3	
tert-Butyl Alcohol	ND	ug/L	20000	200		01/29/24 17:28	75-65-0	
tert-Butyl Formate	ND	ug/L	10000	200		01/29/24 17:28	762-75-4	
1,2-Dichloroethane	ND	ug/L	1000	200		01/29/24 17:28	107-06-2	
Diisopropyl ether	ND	ug/L	1000	200		01/29/24 17:28	108-20-3	
Ethanol	ND	ug/L	40000	200		01/29/24 17:28	64-17-5	
Ethylbenzene	5320	ug/L	1000	200		01/29/24 17:28	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2000	200		01/29/24 17:28	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1000	200		01/29/24 17:28	1634-04-4	
Naphthalene	ND	ug/L	1000	200		01/29/24 17:28	91-20-3	
Toluene	25700	ug/L	1000	200		01/29/24 17:28	108-88-3	
Xylene (Total)	25300	ug/L	1000	200		01/29/24 17:28	1330-20-7	
m&p-Xylene	19000	ug/L	2000	200		01/29/24 17:28	179601-23-1	
o-Xylene	6260	ug/L	1000	200		01/29/24 17:28	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	99	%	70-130	200		01/29/24 17:28	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130	200		01/29/24 17:28	17060-07-0	
Toluene-d8 (S)	100	%	70-130	200		01/29/24 17:28	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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**ANALYTICAL RESULTS**

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: MW-3R	Lab ID: 92710454002	Collected: 01/24/24 12:05	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte						
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	01/30/24 15:15	01/30/24 20:18	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	90	%	60-140	1	01/30/24 15:15	01/30/24 20:18	301-79-56	
<b>8260 MSV</b>		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte						
tert-Amyl Alcohol	ND	ug/L	100	1		01/30/24 04:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/30/24 04:35	994-05-8	
Benzene	ND	ug/L	5.0	1		01/30/24 04:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/30/24 04:35	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/30/24 04:35	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/30/24 04:35	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/30/24 04:35	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/30/24 04:35	108-20-3	
Ethanol	ND	ug/L	200	1		01/30/24 04:35	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/30/24 04:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/30/24 04:35	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/30/24 04:35	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/30/24 04:35	91-20-3	
Toluene	ND	ug/L	5.0	1		01/30/24 04:35	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/30/24 04:35	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/30/24 04:35	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/30/24 04:35	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95	%	70-130	1		01/30/24 04:35	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		01/30/24 04:35	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		01/30/24 04:35	2037-26-5	

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## ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: MW-4	Lab ID: 92710454003	Collected: 01/24/24 12:30	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	01/30/24 15:19	01/30/24 16:17	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	99	%	60-140	1	01/30/24 15:19	01/30/24 16:17	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/30/24 04:53	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/30/24 04:53	994-05-8	
Benzene	ND	ug/L	5.0	1		01/30/24 04:53	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/30/24 04:53	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/30/24 04:53	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/30/24 04:53	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/30/24 04:53	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/30/24 04:53	108-20-3	
Ethanol	ND	ug/L	200	1		01/30/24 04:53	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/30/24 04:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/30/24 04:53	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/30/24 04:53	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/30/24 04:53	91-20-3	
Toluene	ND	ug/L	5.0	1		01/30/24 04:53	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/30/24 04:53	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/30/24 04:53	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/30/24 04:53	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	98	%	70-130	1		01/30/24 04:53	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130	1		01/30/24 04:53	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		01/30/24 04:53	2037-26-5	

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## ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: MW-5	Lab ID: 92710454004	Collected: 01/24/24 11:01	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	01/30/24 15:19	01/30/24 16:49	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	97	%	60-140	1	01/30/24 15:19	01/30/24 16:49	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/30/24 05:11	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/30/24 05:11	994-05-8	
Benzene	ND	ug/L	5.0	1		01/30/24 05:11	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/30/24 05:11	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/30/24 05:11	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/30/24 05:11	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/30/24 05:11	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/30/24 05:11	108-20-3	
Ethanol	ND	ug/L	200	1		01/30/24 05:11	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/30/24 05:11	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/30/24 05:11	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/30/24 05:11	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/30/24 05:11	91-20-3	
Toluene	ND	ug/L	5.0	1		01/30/24 05:11	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/30/24 05:11	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/30/24 05:11	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/30/24 05:11	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95	%	70-130	1		01/30/24 05:11	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130	1		01/30/24 05:11	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		01/30/24 05:11	2037-26-5	

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## ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: MW-6R	Lab ID: 92710454005	Collected: 01/24/24 11:03	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	01/30/24 15:19	01/30/24 17:10	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	98	%	60-140	1	01/30/24 15:19	01/30/24 17:10	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/30/24 05:29	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/30/24 05:29	994-05-8	
Benzene	ND	ug/L	5.0	1		01/30/24 05:29	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/30/24 05:29	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/30/24 05:29	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/30/24 05:29	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/30/24 05:29	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/30/24 05:29	108-20-3	
Ethanol	ND	ug/L	200	1		01/30/24 05:29	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/30/24 05:29	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/30/24 05:29	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/30/24 05:29	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/30/24 05:29	91-20-3	
Toluene	ND	ug/L	5.0	1		01/30/24 05:29	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/30/24 05:29	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/30/24 05:29	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/30/24 05:29	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	98	%	70-130	1		01/30/24 05:29	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		01/30/24 05:29	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		01/30/24 05:29	2037-26-5	

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### ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: MW-7R	Lab ID: 92710454006	Collected: 01/24/24 12:38	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	0.36	ug/L	0.021	1	01/30/24 15:19	01/30/24 17:21	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	101	%	60-140	1	01/30/24 15:19	01/30/24 17:21	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	5000	50		01/29/24 17:46	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	50		01/29/24 17:46	994-05-8	
Benzene	911	ug/L	250	50		01/29/24 17:46	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	50		01/29/24 17:46	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	50		01/29/24 17:46	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	50		01/29/24 17:46	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	50		01/29/24 17:46	107-06-2	
Diisopropyl ether	ND	ug/L	250	50		01/29/24 17:46	108-20-3	
Ethanol	ND	ug/L	10000	50		01/29/24 17:46	64-17-5	
Ethylbenzene	3820	ug/L	250	50		01/29/24 17:46	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	50		01/29/24 17:46	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	250	50		01/29/24 17:46	1634-04-4	
Naphthalene	575	ug/L	250	50		01/29/24 17:46	91-20-3	
Toluene	6100	ug/L	250	50		01/29/24 17:46	108-88-3	
Xylene (Total)	22000	ug/L	250	50		01/29/24 17:46	1330-20-7	
m&p-Xylene	15500	ug/L	500	50		01/29/24 17:46	179601-23-1	
o-Xylene	6530	ug/L	250	50		01/29/24 17:46	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	97	%	70-130	50		01/29/24 17:46	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130	50		01/29/24 17:46	17060-07-0	
Toluene-d8 (S)	100	%	70-130	50		01/29/24 17:46	2037-26-5	

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**ANALYTICAL RESULTS**

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: MW-8	Lab ID: 92710454007	Collected: 01/24/24 11:31	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	0.055	ug/L	0.021	1	01/30/24 15:19	01/30/24 17:31	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	89	%	60-140	1	01/30/24 15:19	01/30/24 17:31	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	500	5		01/29/24 18:04	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	5		01/29/24 18:04	994-05-8	
Benzene	531	ug/L	25.0	5		01/29/24 18:04	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	5		01/29/24 18:04	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	5		01/29/24 18:04	75-65-0	
tert-Butyl Formate	ND	ug/L	250	5		01/29/24 18:04	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	5		01/29/24 18:04	107-06-2	
Diisopropyl ether	ND	ug/L	25.0	5		01/29/24 18:04	108-20-3	
Ethanol	ND	ug/L	1000	5		01/29/24 18:04	64-17-5	
Ethylbenzene	141	ug/L	25.0	5		01/29/24 18:04	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	5		01/29/24 18:04	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	25.0	5		01/29/24 18:04	1634-04-4	
Naphthalene	68.0	ug/L	25.0	5		01/29/24 18:04	91-20-3	
Toluene	150	ug/L	25.0	5		01/29/24 18:04	108-88-3	
Xylene (Total)	428	ug/L	25.0	5		01/29/24 18:04	1330-20-7	
m&p-Xylene	333	ug/L	50.0	5		01/29/24 18:04	179601-23-1	
o-Xylene	94.6	ug/L	25.0	5		01/29/24 18:04	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	98	%	70-130	5		01/29/24 18:04	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130	5		01/29/24 18:04	17060-07-0	
Toluene-d8 (S)	100	%	70-130	5		01/29/24 18:04	2037-26-5	

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## ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: MW-9	Lab ID: 92710454008	Collected: 01/24/24 11:23	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	01/30/24 15:19	01/30/24 17:42	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	101	%	60-140	1	01/30/24 15:19	01/30/24 17:42	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/30/24 07:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/30/24 07:17	994-05-8	
Benzene	ND	ug/L	5.0	1		01/30/24 07:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/30/24 07:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/30/24 07:17	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/30/24 07:17	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/30/24 07:17	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/30/24 07:17	108-20-3	
Ethanol	ND	ug/L	200	1		01/30/24 07:17	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/30/24 07:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/30/24 07:17	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/30/24 07:17	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/30/24 07:17	91-20-3	
Toluene	ND	ug/L	5.0	1		01/30/24 07:17	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/30/24 07:17	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/30/24 07:17	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/30/24 07:17	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	99	%	70-130	1		01/30/24 07:17	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130	1		01/30/24 07:17	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		01/30/24 07:17	2037-26-5	

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### ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: MW-10	Lab ID: 92710454009	Collected: 01/24/24 11:10	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	01/30/24 15:19	01/30/24 17:52	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	101	%	60-140	1	01/30/24 15:19	01/30/24 17:52	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/30/24 05:47	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/30/24 05:47	994-05-8	
Benzene	ND	ug/L	5.0	1		01/30/24 05:47	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/30/24 05:47	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/30/24 05:47	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/30/24 05:47	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/30/24 05:47	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/30/24 05:47	108-20-3	
Ethanol	ND	ug/L	200	1		01/30/24 05:47	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/30/24 05:47	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/30/24 05:47	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/30/24 05:47	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/30/24 05:47	91-20-3	
Toluene	ND	ug/L	5.0	1		01/30/24 05:47	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/30/24 05:47	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/30/24 05:47	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/30/24 05:47	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95	%	70-130	1		01/30/24 05:47	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130	1		01/30/24 05:47	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		01/30/24 05:47	2037-26-5	

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### ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: MW-11R	Lab ID: 92710454010	Collected: 01/24/24 11:13	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	01/30/24 15:19	01/30/24 18:03	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	99	%	60-140	1	01/30/24 15:19	01/30/24 18:03	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/30/24 06:05	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/30/24 06:05	994-05-8	
Benzene	ND	ug/L	5.0	1		01/30/24 06:05	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/30/24 06:05	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/30/24 06:05	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/30/24 06:05	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/30/24 06:05	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/30/24 06:05	108-20-3	
Ethanol	ND	ug/L	200	1		01/30/24 06:05	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/30/24 06:05	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/30/24 06:05	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/30/24 06:05	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/30/24 06:05	91-20-3	
Toluene	ND	ug/L	5.0	1		01/30/24 06:05	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/30/24 06:05	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/30/24 06:05	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/30/24 06:05	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	98	%	70-130	1		01/30/24 06:05	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130	1		01/30/24 06:05	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		01/30/24 06:05	2037-26-5	

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### ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: MW-13R	Lab ID: 92710454011	Collected: 01/24/24 11:43	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	1	01/30/24 15:19	01/30/24 18:14	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	95	%	60-140	1	01/30/24 15:19	01/30/24 18:14	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/30/24 06:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/30/24 06:23	994-05-8	
Benzene	ND	ug/L	5.0	1		01/30/24 06:23	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/30/24 06:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/30/24 06:23	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/30/24 06:23	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/30/24 06:23	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/30/24 06:23	108-20-3	
Ethanol	ND	ug/L	200	1		01/30/24 06:23	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/30/24 06:23	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/30/24 06:23	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/30/24 06:23	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/30/24 06:23	91-20-3	
Toluene	ND	ug/L	5.0	1		01/30/24 06:23	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/30/24 06:23	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/30/24 06:23	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/30/24 06:23	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	97	%	70-130	1		01/30/24 06:23	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		01/30/24 06:23	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		01/30/24 06:23	2037-26-5	

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### ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: MW-14	Lab ID: 92710454012	Collected: 01/24/24 11:50	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	01/30/24 15:19	01/30/24 18:24	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	95	%	60-140	1	01/30/24 15:19	01/30/24 18:24	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/30/24 06:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/30/24 06:41	994-05-8	
Benzene	ND	ug/L	5.0	1		01/30/24 06:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/30/24 06:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/30/24 06:41	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/30/24 06:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/30/24 06:41	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/30/24 06:41	108-20-3	
Ethanol	ND	ug/L	200	1		01/30/24 06:41	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/30/24 06:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/30/24 06:41	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/30/24 06:41	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/30/24 06:41	91-20-3	
Toluene	ND	ug/L	5.0	1		01/30/24 06:41	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/30/24 06:41	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/30/24 06:41	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/30/24 06:41	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	97	%	70-130	1		01/30/24 06:41	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		01/30/24 06:41	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		01/30/24 06:41	2037-26-5	

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### ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: MW-15	Lab ID: 92710454013	Collected: 01/24/24 11:58	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	01/30/24 15:19	01/30/24 18:35	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	96	%	60-140	1	01/30/24 15:19	01/30/24 18:35	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/30/24 06:59	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/30/24 06:59	994-05-8	
Benzene	ND	ug/L	5.0	1		01/30/24 06:59	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/30/24 06:59	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/30/24 06:59	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/30/24 06:59	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/30/24 06:59	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/30/24 06:59	108-20-3	
Ethanol	ND	ug/L	200	1		01/30/24 06:59	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/30/24 06:59	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/30/24 06:59	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/30/24 06:59	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/30/24 06:59	91-20-3	
Toluene	ND	ug/L	5.0	1		01/30/24 06:59	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/30/24 06:59	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/30/24 06:59	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/30/24 06:59	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	99	%	70-130	1		01/30/24 06:59	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130	1		01/30/24 06:59	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		01/30/24 06:59	2037-26-5	

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## ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: DW-1	Lab ID: 92710454014	Collected: 01/24/24 13:35	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte						
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	01/30/24 15:19	01/30/24 18:45	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	103	%	60-140	1	01/30/24 15:19	01/30/24 18:45	301-79-56	
<b>8260 MSV</b>		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte						
tert-Amyl Alcohol	ND	ug/L	100	1		01/29/24 23:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/29/24 23:27	994-05-8	
Benzene	ND	ug/L	5.0	1		01/29/24 23:27	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/29/24 23:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/29/24 23:27	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/29/24 23:27	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/29/24 23:27	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/29/24 23:27	108-20-3	
Ethanol	ND	ug/L	200	1		01/29/24 23:27	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/29/24 23:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/29/24 23:27	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/29/24 23:27	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/29/24 23:27	91-20-3	v1
Toluene	ND	ug/L	5.0	1		01/29/24 23:27	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/29/24 23:27	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/29/24 23:27	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/29/24 23:27	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	94	%	70-130	1		01/29/24 23:27	460-00-4	
1,2-Dichloroethane-d4 (S)	82	%	70-130	1		01/29/24 23:27	17060-07-0	
Toluene-d8 (S)	94	%	70-130	1		01/29/24 23:27	2037-26-5	

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**ANALYTICAL RESULTS**

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: DW-2	Lab ID: 92710454015	Collected: 01/24/24 12:45	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	01/30/24 15:19	01/30/24 18:56	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	103	%	60-140	1	01/30/24 15:19	01/30/24 18:56	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/29/24 23:44	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/29/24 23:44	994-05-8	
Benzene	ND	ug/L	5.0	1		01/29/24 23:44	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/29/24 23:44	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/29/24 23:44	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/29/24 23:44	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/29/24 23:44	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/29/24 23:44	108-20-3	
Ethanol	ND	ug/L	200	1		01/29/24 23:44	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/29/24 23:44	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/29/24 23:44	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/29/24 23:44	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/29/24 23:44	91-20-3	v1
Toluene	ND	ug/L	5.0	1		01/29/24 23:44	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/29/24 23:44	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/29/24 23:44	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/29/24 23:44	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	93	%	70-130	1		01/29/24 23:44	460-00-4	
1,2-Dichloroethane-d4 (S)	82	%	70-130	1		01/29/24 23:44	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		01/29/24 23:44	2037-26-5	

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### ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: DW-3	Lab ID: 92710454016	Collected: 01/24/24 10:55	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	01/30/24 15:19	01/30/24 19:07	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	101	%	60-140	1	01/30/24 15:19	01/30/24 19:07	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/30/24 00:02	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/30/24 00:02	994-05-8	
Benzene	ND	ug/L	5.0	1		01/30/24 00:02	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/30/24 00:02	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/30/24 00:02	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/30/24 00:02	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/30/24 00:02	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/30/24 00:02	108-20-3	
Ethanol	ND	ug/L	200	1		01/30/24 00:02	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/30/24 00:02	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/30/24 00:02	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/30/24 00:02	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/30/24 00:02	91-20-3	v1
Toluene	ND	ug/L	5.0	1		01/30/24 00:02	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/30/24 00:02	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/30/24 00:02	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/30/24 00:02	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	89	%	70-130	1		01/30/24 00:02	460-00-4	
1,2-Dichloroethane-d4 (S)	84	%	70-130	1		01/30/24 00:02	17060-07-0	
Toluene-d8 (S)	95	%	70-130	1		01/30/24 00:02	2037-26-5	

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## ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: DW-4	Lab ID: 92710454017	Collected: 01/24/24 10:55	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011 Pace Analytical Services - Charlotte						
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	01/30/24 15:19	01/30/24 19:17	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	97	%	60-140	1	01/30/24 15:19	01/30/24 19:17	301-79-56	
<b>8260 MSV</b>		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte						
tert-Amyl Alcohol	ND	ug/L	100	1		01/30/24 00:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/30/24 00:20	994-05-8	
Benzene	ND	ug/L	5.0	1		01/30/24 00:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/30/24 00:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/30/24 00:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/30/24 00:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/30/24 00:20	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/30/24 00:20	108-20-3	
Ethanol	ND	ug/L	200	1		01/30/24 00:20	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/30/24 00:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/30/24 00:20	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/30/24 00:20	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/30/24 00:20	91-20-3	v1
Toluene	ND	ug/L	5.0	1		01/30/24 00:20	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/30/24 00:20	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/30/24 00:20	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/30/24 00:20	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	98	%	70-130	1		01/30/24 00:20	460-00-4	
1,2-Dichloroethane-d4 (S)	84	%	70-130	1		01/30/24 00:20	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		01/30/24 00:20	2037-26-5	

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## ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: DW-5	Lab ID: 92710454018	Collected: 01/24/24 13:55	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	01/30/24 15:19	01/30/24 19:28	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	103	%	60-140	1	01/30/24 15:19	01/30/24 19:28	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/30/24 00:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/30/24 00:38	994-05-8	
Benzene	ND	ug/L	5.0	1		01/30/24 00:38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/30/24 00:38	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/30/24 00:38	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/30/24 00:38	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/30/24 00:38	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/30/24 00:38	108-20-3	
Ethanol	ND	ug/L	200	1		01/30/24 00:38	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/30/24 00:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/30/24 00:38	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/30/24 00:38	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/30/24 00:38	91-20-3	v1
Toluene	ND	ug/L	5.0	1		01/30/24 00:38	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/30/24 00:38	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/30/24 00:38	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/30/24 00:38	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	97	%	70-130	1		01/30/24 00:38	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130	1		01/30/24 00:38	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		01/30/24 00:38	2037-26-5	

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### ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: DW-6	Lab ID: 92710454019	Collected: 01/24/24 12:20	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	01/30/24 15:19	01/30/24 19:39	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	99	%	60-140	1	01/30/24 15:19	01/30/24 19:39	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/30/24 00:56	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/30/24 00:56	994-05-8	
Benzene	ND	ug/L	5.0	1		01/30/24 00:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/30/24 00:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/30/24 00:56	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/30/24 00:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/30/24 00:56	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/30/24 00:56	108-20-3	
Ethanol	ND	ug/L	200	1		01/30/24 00:56	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/30/24 00:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/30/24 00:56	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/30/24 00:56	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/30/24 00:56	91-20-3	v1
Toluene	ND	ug/L	5.0	1		01/30/24 00:56	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/30/24 00:56	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/30/24 00:56	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/30/24 00:56	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	93	%	70-130	1		01/30/24 00:56	460-00-4	
1,2-Dichloroethane-d4 (S)	88	%	70-130	1		01/30/24 00:56	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		01/30/24 00:56	2037-26-5	

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### ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: DUP	Lab ID: 92710454020	Collected: 01/24/24 00:00	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	0.31	ug/L	0.021	1	01/30/24 15:19	01/30/24 19:49	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	99	%	60-140	1	01/30/24 15:19	01/30/24 19:49	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	5000	50		01/30/24 23:24	75-85-4	
tert-Amylmethyl ether	ND	ug/L	500	50		01/30/24 23:24	994-05-8	
Benzene	913	ug/L	250	50		01/30/24 23:24	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	5000	50		01/30/24 23:24	624-95-3	
tert-Butyl Alcohol	ND	ug/L	5000	50		01/30/24 23:24	75-65-0	
tert-Butyl Formate	ND	ug/L	2500	50		01/30/24 23:24	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	50		01/30/24 23:24	107-06-2	
Diisopropyl ether	ND	ug/L	250	50		01/30/24 23:24	108-20-3	
Ethanol	ND	ug/L	10000	50		01/30/24 23:24	64-17-5	
Ethylbenzene	3820	ug/L	250	50		01/30/24 23:24	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	500	50		01/30/24 23:24	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	250	50		01/30/24 23:24	1634-04-4	
Naphthalene	788	ug/L	250	50		01/30/24 23:24	91-20-3	
Toluene	6370	ug/L	250	50		01/30/24 23:24	108-88-3	
Xylene (Total)	23200	ug/L	250	50		01/30/24 23:24	1330-20-7	
m&p-Xylene	16300	ug/L	500	50		01/30/24 23:24	179601-23-1	
o-Xylene	6960	ug/L	250	50		01/30/24 23:24	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	100	%	70-130	50		01/30/24 23:24	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130	50		01/30/24 23:24	17060-07-0	
Toluene-d8 (S)	100	%	70-130	50		01/30/24 23:24	2037-26-5	

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### ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: FB	Lab ID: 92710454021	Collected: 01/24/24 14:03	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>								
Analytical Method: EPA 8011 Preparation Method: EPA 8011								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	1	01/30/24 15:19	01/30/24 20:00	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	101	%	60-140	1	01/30/24 15:19	01/30/24 20:00	301-79-56	
<b>8260 MSV</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/29/24 23:48	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/29/24 23:48	994-05-8	
Benzene	ND	ug/L	5.0	1		01/29/24 23:48	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/29/24 23:48	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/29/24 23:48	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/29/24 23:48	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/29/24 23:48	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/29/24 23:48	108-20-3	
Ethanol	ND	ug/L	200	1		01/29/24 23:48	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/29/24 23:48	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/29/24 23:48	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/29/24 23:48	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/29/24 23:48	91-20-3	
Toluene	ND	ug/L	5.0	1		01/29/24 23:48	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/29/24 23:48	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/29/24 23:48	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/29/24 23:48	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	96	%	70-130	1		01/29/24 23:48	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		01/29/24 23:48	17060-07-0	
Toluene-d8 (S)	97	%	70-130	1		01/29/24 23:48	2037-26-5	

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### ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: TB	Lab ID: 92710454022	Collected: 01/24/24 08:00	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte						
tert-Amyl Alcohol	ND	ug/L	100	1		01/30/24 00:06	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/30/24 00:06	994-05-8	
Benzene	ND	ug/L	5.0	1		01/30/24 00:06	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/30/24 00:06	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/30/24 00:06	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/30/24 00:06	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/30/24 00:06	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	1		01/30/24 00:06	108-20-3	
Ethanol	ND	ug/L	200	1		01/30/24 00:06	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1		01/30/24 00:06	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/30/24 00:06	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/30/24 00:06	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		01/30/24 00:06	91-20-3	
Toluene	ND	ug/L	5.0	1		01/30/24 00:06	108-88-3	
Xylene (Total)	ND	ug/L	5.0	1		01/30/24 00:06	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	1		01/30/24 00:06	179601-23-1	
o-Xylene	ND	ug/L	5.0	1		01/30/24 00:06	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95	%	70-130	1		01/30/24 00:06	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130	1		01/30/24 00:06	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		01/30/24 00:06	2037-26-5	

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## ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: WSW-1	Lab ID: 92710454023	Collected: 01/24/24 14:20	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>504 GCS EDB and DBCP</b>								
Analytical Method: EPA 504.1 Preparation Method: EPA 504.1								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	1	01/29/24 10:19	01/30/24 03:40	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	95	%	70-130	1	01/29/24 10:19	01/30/24 03:40	301-79-56	
<b>524.2 MSV SC List</b>								
Analytical Method: EPA 524.2								
Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	1		01/29/24 18:25	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	1		01/29/24 18:25	107-06-2	
Ethylbenzene	ND	ug/L	0.50	1		01/29/24 18:25	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		01/29/24 18:25	1634-04-4	
Naphthalene	ND	ug/L	0.50	1		01/29/24 18:25	91-20-3	
Toluene	ND	ug/L	0.50	1		01/29/24 18:25	108-88-3	
Xylene (Total)	ND	ug/L	0.50	1		01/29/24 18:25	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		01/29/24 18:25	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		01/29/24 18:25	95-47-6	
<b>Surrogates</b>								
1,2-Dichlorobenzene-d4 (S)	95	%	70-130	1		01/29/24 18:25	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130	1		01/29/24 18:25	460-00-4	
<b>8260 MSV Low Level SC</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/29/24 16:23	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/29/24 16:23	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/29/24 16:23	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/29/24 16:23	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/29/24 16:23	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	1		01/29/24 16:23	108-20-3	
Ethanol	ND	ug/L	200	1		01/29/24 16:23	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/29/24 16:23	637-92-3	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	97	%	70-130	1		01/29/24 16:23	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		01/29/24 16:23	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		01/29/24 16:23	2037-26-5	

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## ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: WSW-2	Lab ID: 92710454024	Collected: 01/24/24 14:10	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>504 GCS EDB and DBCP</b>								
Analytical Method: EPA 504.1 Preparation Method: EPA 504.1								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	01/29/24 10:19	01/30/24 03:51	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	93	%	70-130	1	01/29/24 10:19	01/30/24 03:51	301-79-56	
<b>524.2 MSV SC List</b>								
Analytical Method: EPA 524.2								
Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	1		01/29/24 18:51	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	1		01/29/24 18:51	107-06-2	
Ethylbenzene	ND	ug/L	0.50	1		01/29/24 18:51	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		01/29/24 18:51	1634-04-4	
Naphthalene	ND	ug/L	0.50	1		01/29/24 18:51	91-20-3	
Toluene	ND	ug/L	0.50	1		01/29/24 18:51	108-88-3	
Xylene (Total)	ND	ug/L	0.50	1		01/29/24 18:51	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		01/29/24 18:51	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		01/29/24 18:51	95-47-6	
<b>Surrogates</b>								
1,2-Dichlorobenzene-d4 (S)	92	%	70-130	1		01/29/24 18:51	2199-69-1	
4-Bromofluorobenzene (S)	88	%	70-130	1		01/29/24 18:51	460-00-4	
<b>8260 MSV Low Level SC</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/29/24 16:40	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/29/24 16:40	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/29/24 16:40	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/29/24 16:40	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/29/24 16:40	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	1		01/29/24 16:40	108-20-3	
Ethanol	ND	ug/L	200	1		01/29/24 16:40	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/29/24 16:40	637-92-3	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	96	%	70-130	1		01/29/24 16:40	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		01/29/24 16:40	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		01/29/24 16:40	2037-26-5	

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### ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: WSW-3	Lab ID: 92710454025	Collected: 01/24/24 14:30	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>504 GCS EDB and DBCP</b>								
Analytical Method: EPA 504.1 Preparation Method: EPA 504.1								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	01/29/24 10:19	01/30/24 04:01	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	94	%	70-130	1	01/29/24 10:19	01/30/24 04:01	301-79-56	
<b>524.2 MSV SC List</b>								
Analytical Method: EPA 524.2								
Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	1		01/29/24 19:17	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	1		01/29/24 19:17	107-06-2	
Ethylbenzene	ND	ug/L	0.50	1		01/29/24 19:17	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		01/29/24 19:17	1634-04-4	
Naphthalene	ND	ug/L	0.50	1		01/29/24 19:17	91-20-3	
Toluene	ND	ug/L	0.50	1		01/29/24 19:17	108-88-3	
Xylene (Total)	ND	ug/L	0.50	1		01/29/24 19:17	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		01/29/24 19:17	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		01/29/24 19:17	95-47-6	
<b>Surrogates</b>								
1,2-Dichlorobenzene-d4 (S)	92	%	70-130	1		01/29/24 19:17	2199-69-1	
4-Bromofluorobenzene (S)	87	%	70-130	1		01/29/24 19:17	460-00-4	
<b>8260 MSV Low Level SC</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/29/24 16:58	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/29/24 16:58	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/29/24 16:58	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/29/24 16:58	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/29/24 16:58	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	1		01/29/24 16:58	108-20-3	
Ethanol	ND	ug/L	200	1		01/29/24 16:58	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/29/24 16:58	637-92-3	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	97	%	70-130	1		01/29/24 16:58	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		01/29/24 16:58	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		01/29/24 16:58	2037-26-5	

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## ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: WSW-4	Lab ID: 92710454026	Collected: 01/24/24 14:35	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>504 GCS EDB and DBCP</b>								
Analytical Method: EPA 504.1 Preparation Method: EPA 504.1								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	01/29/24 10:19	01/30/24 04:12	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	100	%	70-130	1	01/29/24 10:19	01/30/24 04:12	301-79-56	
<b>524.2 MSV SC List</b>								
Analytical Method: EPA 524.2								
Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	1		01/29/24 19:43	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	1		01/29/24 19:43	107-06-2	
Ethylbenzene	ND	ug/L	0.50	1		01/29/24 19:43	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		01/29/24 19:43	1634-04-4	
Naphthalene	ND	ug/L	0.50	1		01/29/24 19:43	91-20-3	
Toluene	ND	ug/L	0.50	1		01/29/24 19:43	108-88-3	
Xylene (Total)	ND	ug/L	0.50	1		01/29/24 19:43	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		01/29/24 19:43	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		01/29/24 19:43	95-47-6	
<b>Surrogates</b>								
1,2-Dichlorobenzene-d4 (S)	95	%	70-130	1		01/29/24 19:43	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130	1		01/29/24 19:43	460-00-4	
<b>8260 MSV Low Level SC</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/29/24 17:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/29/24 17:16	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/29/24 17:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/29/24 17:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/29/24 17:16	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	1		01/29/24 17:16	108-20-3	
Ethanol	ND	ug/L	200	1		01/29/24 17:16	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/29/24 17:16	637-92-3	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	99	%	70-130	1		01/29/24 17:16	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		01/29/24 17:16	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		01/29/24 17:16	2037-26-5	

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## ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: WSW-5	Lab ID: 92710454027	Collected: 01/24/24 14:42	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>504 GCS EDB and DBCP</b>								
Analytical Method: EPA 504.1 Preparation Method: EPA 504.1								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	01/29/24 10:19	01/30/24 04:23	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	80	%	70-130	1	01/29/24 10:19	01/30/24 04:23	301-79-56	
<b>524.2 MSV SC List</b>								
Analytical Method: EPA 524.2								
Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	1		01/29/24 20:09	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	1		01/29/24 20:09	107-06-2	
Ethylbenzene	ND	ug/L	0.50	1		01/29/24 20:09	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		01/29/24 20:09	1634-04-4	
Naphthalene	ND	ug/L	0.50	1		01/29/24 20:09	91-20-3	
Toluene	ND	ug/L	0.50	1		01/29/24 20:09	108-88-3	
Xylene (Total)	ND	ug/L	0.50	1		01/29/24 20:09	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		01/29/24 20:09	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		01/29/24 20:09	95-47-6	
<b>Surrogates</b>								
1,2-Dichlorobenzene-d4 (S)	93	%	70-130	1		01/29/24 20:09	2199-69-1	
4-Bromofluorobenzene (S)	90	%	70-130	1		01/29/24 20:09	460-00-4	
<b>8260 MSV Low Level SC</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/29/24 17:33	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/29/24 17:33	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/29/24 17:33	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/29/24 17:33	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/29/24 17:33	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	1		01/29/24 17:33	108-20-3	
Ethanol	ND	ug/L	200	1		01/29/24 17:33	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/29/24 17:33	637-92-3	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	96	%	70-130	1		01/29/24 17:33	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		01/29/24 17:33	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		01/29/24 17:33	2037-26-5	

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## ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: WSW-DUP	Lab ID: 92710454028	Collected: 01/24/24 00:00	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>504 GCS EDB and DBCP</b>								
Analytical Method: EPA 504.1 Preparation Method: EPA 504.1								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	01/29/24 10:19	01/30/24 04:33	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	83	%	70-130	1	01/29/24 10:19	01/30/24 04:33	301-79-56	
<b>524.2 MSV SC List</b>								
Analytical Method: EPA 524.2								
Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	1		01/29/24 20:35	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	1		01/29/24 20:35	107-06-2	
Ethylbenzene	ND	ug/L	0.50	1		01/29/24 20:35	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		01/29/24 20:35	1634-04-4	
Naphthalene	ND	ug/L	0.50	1		01/29/24 20:35	91-20-3	
Toluene	ND	ug/L	0.50	1		01/29/24 20:35	108-88-3	
Xylene (Total)	ND	ug/L	0.50	1		01/29/24 20:35	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		01/29/24 20:35	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		01/29/24 20:35	95-47-6	
<b>Surrogates</b>								
1,2-Dichlorobenzene-d4 (S)	93	%	70-130	1		01/29/24 20:35	2199-69-1	
4-Bromofluorobenzene (S)	91	%	70-130	1		01/29/24 20:35	460-00-4	
<b>8260 MSV Low Level SC</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/29/24 17:51	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/29/24 17:51	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/29/24 17:51	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/29/24 17:51	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/29/24 17:51	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	1		01/29/24 17:51	108-20-3	
Ethanol	ND	ug/L	200	1		01/29/24 17:51	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/29/24 17:51	637-92-3	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	96	%	70-130	1		01/29/24 17:51	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130	1		01/29/24 17:51	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		01/29/24 17:51	2037-26-5	

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## ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: WSW-FB	Lab ID: 92710454029	Collected: 01/24/24 14:50	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>504 GCS EDB and DBCP</b>								
Analytical Method: EPA 504.1 Preparation Method: EPA 504.1								
Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	01/29/24 10:19	01/30/24 04:44	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	87	%	70-130	1	01/29/24 10:19	01/30/24 04:44	301-79-56	
<b>524.2 MSV SC List</b>								
Analytical Method: EPA 524.2								
Pace Analytical Services - Charlotte								
Benzene	ND	ug/L	0.50	1		01/29/24 16:14	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	1		01/29/24 16:14	107-06-2	
Ethylbenzene	ND	ug/L	0.50	1		01/29/24 16:14	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		01/29/24 16:14	1634-04-4	
Naphthalene	ND	ug/L	0.50	1		01/29/24 16:14	91-20-3	
Toluene	ND	ug/L	0.50	1		01/29/24 16:14	108-88-3	
Xylene (Total)	ND	ug/L	0.50	1		01/29/24 16:14	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		01/29/24 16:14	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		01/29/24 16:14	95-47-6	
<b>Surrogates</b>								
1,2-Dichlorobenzene-d4 (S)	94	%	70-130	1		01/29/24 16:14	2199-69-1	
4-Bromofluorobenzene (S)	91	%	70-130	1		01/29/24 16:14	460-00-4	
<b>8260 MSV Low Level SC</b>								
Analytical Method: EPA 8260D								
Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	1		01/29/24 11:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/29/24 11:20	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/29/24 11:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/29/24 11:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/29/24 11:20	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	1		01/29/24 11:20	108-20-3	
Ethanol	ND	ug/L	200	1		01/29/24 11:20	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/29/24 11:20	637-92-3	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	96	%	70-130	1		01/29/24 11:20	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130	1		01/29/24 11:20	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		01/29/24 11:20	2037-26-5	

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## ANALYTICAL RESULTS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Sample: WSW-TB	Lab ID: 92710454030	Collected: 01/24/24 08:00	Received: 01/26/24 10:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>524.2 MSV SC List</b>		Analytical Method: EPA 524.2 Pace Analytical Services - Charlotte						
Benzene	ND	ug/L	0.50	1		01/30/24 16:47	71-43-2	
1,2-Dichloroethane	ND	ug/L	0.50	1		01/30/24 16:47	107-06-2	
Ethylbenzene	ND	ug/L	0.50	1		01/30/24 16:47	100-41-4	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		01/30/24 16:47	1634-04-4	
Naphthalene	ND	ug/L	0.50	1		01/30/24 16:47	91-20-3	
Toluene	ND	ug/L	0.50	1		01/30/24 16:47	108-88-3	
Xylene (Total)	ND	ug/L	0.50	1		01/30/24 16:47	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		01/30/24 16:47	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		01/30/24 16:47	95-47-6	
<b>Surrogates</b>								
1,2-Dichlorobenzene-d4 (S)	89	%	70-130	1		01/30/24 16:47	2199-69-1	
4-Bromofluorobenzene (S)	92	%	70-130	1		01/30/24 16:47	460-00-4	
<b>8260 MSV Low Level SC</b>		Analytical Method: EPA 8260D Pace Analytical Services - Charlotte						
tert-Amyl Alcohol	ND	ug/L	100	1		01/29/24 11:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	1		01/29/24 11:38	994-05-8	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	1		01/29/24 11:38	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	1		01/29/24 11:38	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	1		01/29/24 11:38	762-75-4	
Diisopropyl ether	ND	ug/L	1.0	1		01/29/24 11:38	108-20-3	
Ethanol	ND	ug/L	200	1		01/29/24 11:38	64-17-5	
Ethyl-tert-butyl ether	ND	ug/L	10.0	1		01/29/24 11:38	637-92-3	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	98	%	70-130	1		01/29/24 11:38	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130	1		01/29/24 11:38	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		01/29/24 11:38	2037-26-5	

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**QUALITY CONTROL DATA**

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

QC Batch:	828550	Analysis Method:	EPA 524.2
QC Batch Method:	EPA 524.2	Analysis Description:	524.2 MSV
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92710454023, 92710454024, 92710454025, 92710454026, 92710454027, 92710454028, 92710454029

METHOD BLANK: 4283177 Matrix: Water  
 Associated Lab Samples: 92710454023, 92710454024, 92710454025, 92710454026, 92710454027, 92710454028, 92710454029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	0.50	01/29/24 11:52	
Benzene	ug/L	ND	0.50	01/29/24 11:52	
Ethylbenzene	ug/L	ND	0.50	01/29/24 11:52	
m&p-Xylene	ug/L	ND	1.0	01/29/24 11:52	
Methyl-tert-butyl ether	ug/L	ND	0.50	01/29/24 11:52	
Naphthalene	ug/L	ND	0.50	01/29/24 11:52	
o-Xylene	ug/L	ND	0.50	01/29/24 11:52	
Toluene	ug/L	ND	0.50	01/29/24 11:52	
Xylene (Total)	ug/L	ND	0.50	01/29/24 11:52	
1,2-Dichlorobenzene-d4 (S)	%	96	70-130	01/29/24 11:52	
4-Bromofluorobenzene (S)	%	92	70-130	01/29/24 11:52	

LABORATORY CONTROL SAMPLE: 4283178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.2	96	70-130	
Benzene	ug/L	20	18.3	91	70-130	
Ethylbenzene	ug/L	20	17.5	87	70-130	
m&p-Xylene	ug/L	40	36.6	92	70-130	
Methyl-tert-butyl ether	ug/L	20	17.5	87	70-130	
Naphthalene	ug/L	20	20.1	101	70-130	
o-Xylene	ug/L	20	18.6	93	70-130	
Toluene	ug/L	20	17.5	87	70-130	
Xylene (Total)	ug/L	60	55.3	92		
1,2-Dichlorobenzene-d4 (S)	%			103	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	

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**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: WARREN GREEN 4887/67757  
 Pace Project No.: 92710454

QC Batch: 828907	Analysis Method: EPA 524.2
QC Batch Method: EPA 524.2	Analysis Description: 524.2 MSV
	Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92710454030

METHOD BLANK: 4284509 Matrix: Water  
 Associated Lab Samples: 92710454030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	0.50	01/30/24 16:21	
Benzene	ug/L	ND	0.50	01/30/24 16:21	
Ethylbenzene	ug/L	ND	0.50	01/30/24 16:21	
m&p-Xylene	ug/L	ND	1.0	01/30/24 16:21	
Methyl-tert-butyl ether	ug/L	ND	0.50	01/30/24 16:21	
Naphthalene	ug/L	ND	0.50	01/30/24 16:21	
o-Xylene	ug/L	ND	0.50	01/30/24 16:21	
Toluene	ug/L	ND	0.50	01/30/24 16:21	
Xylene (Total)	ug/L	ND	0.50	01/30/24 16:21	
1,2-Dichlorobenzene-d4 (S)	%	89	70-130	01/30/24 16:21	
4-Bromofluorobenzene (S)	%	91	70-130	01/30/24 16:21	

LABORATORY CONTROL SAMPLE: 4284510

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	20.0	100	70-130	
Benzene	ug/L	20	19.6	98	70-130	
Ethylbenzene	ug/L	20	20.2	101	70-130	
m&p-Xylene	ug/L	40	40.0	100	70-130	
Methyl-tert-butyl ether	ug/L	20	18.8	94	70-130	
Naphthalene	ug/L	20	20.5	102	70-130	
o-Xylene	ug/L	20	19.4	97	70-130	
Toluene	ug/L	20	19.2	96	70-130	
Xylene (Total)	ug/L	60	59.4	99		
1,2-Dichlorobenzene-d4 (S)	%			102	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	

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**QUALITY CONTROL DATA**

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

QC Batch:	828458	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV Low Level SC
		Laboratory:	Pace Analytical Services - Charlotte
Associated Lab Samples:	92710454023, 92710454024, 92710454025, 92710454026, 92710454027, 92710454028, 92710454029, 92710454030		

METHOD BLANK: 4282919 Matrix: Water  
 Associated Lab Samples: 92710454023, 92710454024, 92710454025, 92710454026, 92710454027, 92710454028, 92710454029, 92710454030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	100	01/29/24 10:09	
Diisopropyl ether	ug/L	ND	1.0	01/29/24 10:09	
Ethanol	ug/L	ND	200	01/29/24 10:09	
Ethyl-tert-butyl ether	ug/L	ND	10.0	01/29/24 10:09	
tert-Amyl Alcohol	ug/L	ND	100	01/29/24 10:09	
tert-Amylmethyl ether	ug/L	ND	10.0	01/29/24 10:09	
tert-Butyl Alcohol	ug/L	ND	100	01/29/24 10:09	
tert-Butyl Formate	ug/L	ND	50.0	01/29/24 10:09	
1,2-Dichloroethane-d4 (S)	%	91	70-130	01/29/24 10:09	
4-Bromofluorobenzene (S)	%	96	70-130	01/29/24 10:09	
Toluene-d8 (S)	%	99	70-130	01/29/24 10:09	

LABORATORY CONTROL SAMPLE: 4282920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	400	403	101	70-130	
Diisopropyl ether	ug/L	20	18.2	91	70-130	
Ethanol	ug/L	800	734	92	70-130	
Ethyl-tert-butyl ether	ug/L	40	36.8	92	70-130	
tert-Amyl Alcohol	ug/L	400	359	90	70-130	
tert-Amylmethyl ether	ug/L	40	38.5	96	70-130	
tert-Butyl Alcohol	ug/L	200	168	84	70-130	
tert-Butyl Formate	ug/L	160	155	97	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 4282922

Parameter	Units	92710454026 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	400	385	96	39-157	
Diisopropyl ether	ug/L	ND	20	19.5	98	63-144	
Ethanol	ug/L	ND	800	725	91	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	38.3	96	66-137	
tert-Amyl Alcohol	ug/L	ND	400	350	88	54-153	
tert-Amylmethyl ether	ug/L	ND	40	38.1	95	69-139	

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### QUALITY CONTROL DATA

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

MATRIX SPIKE SAMPLE: 4282922

Parameter	Units	92710454026 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
tert-Butyl Alcohol	ug/L	ND	200	184	92	43-188	
tert-Butyl Formate	ug/L	ND	160	131	82	10-170	
1,2-Dichloroethane-d4 (S)	%				90	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 4282921

Parameter	Units	92710454025 Result	Dup Result	RPD	Qualifiers
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		
Diisopropyl ether	ug/L	ND	ND		
Ethanol	ug/L	ND	ND		
Ethyl-tert-butyl ether	ug/L	ND	ND		
tert-Amyl Alcohol	ug/L	ND	ND		
tert-Amylmethyl ether	ug/L	ND	ND		
tert-Butyl Alcohol	ug/L	ND	ND		
tert-Butyl Formate	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	93	92		
4-Bromofluorobenzene (S)	%	97	95		
Toluene-d8 (S)	%	100	98		

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## QUALITY CONTROL DATA

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

QC Batch: 828563 Analysis Method: EPA 8260D  
 QC Batch Method: EPA 8260D Analysis Description: 8260 MSV SC  
 Laboratory: Pace Analytical Services - Charlotte  
 Associated Lab Samples: 92710454001, 92710454006, 92710454007

METHOD BLANK: 4283216 Matrix: Water

Associated Lab Samples: 92710454001, 92710454006, 92710454007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	01/29/24 12:02	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	01/29/24 12:02	
Benzene	ug/L	ND	5.0	01/29/24 12:02	
Diisopropyl ether	ug/L	ND	5.0	01/29/24 12:02	
Ethanol	ug/L	ND	200	01/29/24 12:02	
Ethyl-tert-butyl ether	ug/L	ND	10.0	01/29/24 12:02	
Ethylbenzene	ug/L	ND	5.0	01/29/24 12:02	
m&p-Xylene	ug/L	ND	10.0	01/29/24 12:02	
Methyl-tert-butyl ether	ug/L	ND	5.0	01/29/24 12:02	
Naphthalene	ug/L	ND	5.0	01/29/24 12:02	
o-Xylene	ug/L	ND	5.0	01/29/24 12:02	
tert-Amyl Alcohol	ug/L	ND	100	01/29/24 12:02	
tert-Amylmethyl ether	ug/L	ND	10.0	01/29/24 12:02	
tert-Butyl Alcohol	ug/L	ND	100	01/29/24 12:02	
tert-Butyl Formate	ug/L	ND	50.0	01/29/24 12:02	
Toluene	ug/L	ND	5.0	01/29/24 12:02	
Xylene (Total)	ug/L	ND	5.0	01/29/24 12:02	
1,2-Dichloroethane-d4 (S)	%	108	70-130	01/29/24 12:02	
4-Bromofluorobenzene (S)	%	99	70-130	01/29/24 12:02	
Toluene-d8 (S)	%	100	70-130	01/29/24 12:02	

LABORATORY CONTROL SAMPLE: 4283217

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.4	97	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	314	79	70-130	
Benzene	ug/L	20	19.0	95	70-130	
Diisopropyl ether	ug/L	20	19.0	95	70-130	
Ethanol	ug/L	800	725	91	70-130	
Ethyl-tert-butyl ether	ug/L	40	36.0	90	70-130	
Ethylbenzene	ug/L	20	19.4	97	70-130	
m&p-Xylene	ug/L	40	38.7	97	70-130	
Methyl-tert-butyl ether	ug/L	20	17.3	87	70-130	
Naphthalene	ug/L	20	18.7	94	70-130	
o-Xylene	ug/L	20	19.0	95	70-130	
tert-Amyl Alcohol	ug/L	400	309	77	70-130	
tert-Amylmethyl ether	ug/L	40	36.5	91	70-130	
tert-Butyl Alcohol	ug/L	200	149	75	70-130	
tert-Butyl Formate	ug/L	160	134	84	70-130	

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**QUALITY CONTROL DATA**

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

LABORATORY CONTROL SAMPLE: 4283217

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	18.1	91	70-130	
Xylene (Total)	ug/L	60	57.7	96	70-130	
1,2-Dichloroethane-d4 (S)	%			107	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 4283219

Parameter	Units	92710450011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	17.6	88	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	301	75	39-157	
Benzene	ug/L	ND	20	18.2	91	70-151	
Diisopropyl ether	ug/L	ND	20	16.9	84	63-144	
Ethanol	ug/L	ND	800	630	79	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	32.9	82	66-137	
Ethylbenzene	ug/L	ND	20	18.4	92	66-153	
m&p-Xylene	ug/L	ND	40	36.7	92	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	15.9	79	54-156	
Naphthalene	ug/L	ND	20	14.3	72	61-148	
o-Xylene	ug/L	ND	20	17.8	89	70-148	
tert-Amyl Alcohol	ug/L	ND	400	312	78	54-153	
tert-Amylmethyl ether	ug/L	ND	40	33.8	84	69-139	
tert-Butyl Alcohol	ug/L	ND	200	167	83	43-188	
tert-Butyl Formate	ug/L	ND	160	70.6	44	10-170	
Toluene	ug/L	ND	20	17.8	89	59-148	
Xylene (Total)	ug/L	ND	60	54.5	91	63-158	
1,2-Dichloroethane-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 4283218

Parameter	Units	92710450010 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		
Benzene	ug/L	ND	ND		
Diisopropyl ether	ug/L	ND	ND		
Ethanol	ug/L	ND	ND		
Ethyl-tert-butyl ether	ug/L	ND	ND		
Ethylbenzene	ug/L	ND	ND		
m&p-Xylene	ug/L	ND	ND		
Methyl-tert-butyl ether	ug/L	ND	ND		
Naphthalene	ug/L	ND	ND		
o-Xylene	ug/L	ND	ND		

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**QUALITY CONTROL DATA**

Project: WARREN GREEN 4887/67757  
 Pace Project No.: 92710454

SAMPLE DUPLICATE: 4283218

Parameter	Units	92710450010 Result	Dup Result	RPD	Qualifiers
tert-Amyl Alcohol	ug/L	ND	ND		
tert-Amylmethyl ether	ug/L	ND	ND		
tert-Butyl Alcohol	ug/L	ND	ND		
tert-Butyl Formate	ug/L	ND	ND		
Toluene	ug/L	ND	ND		
Xylene (Total)	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	112	103		
4-Bromofluorobenzene (S)	%	100	97		
Toluene-d8 (S)	%	102	99		

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**QUALITY CONTROL DATA**

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

QC Batch: 828566 Analysis Method: EPA 8260D  
 QC Batch Method: EPA 8260D Analysis Description: 8260 MSV SC  
 Laboratory: Pace Analytical Services - Charlotte  
 Associated Lab Samples: 92710454014, 92710454015, 92710454016, 92710454017, 92710454018, 92710454019

METHOD BLANK: 4283229 Matrix: Water  
 Associated Lab Samples: 92710454014, 92710454015, 92710454016, 92710454017, 92710454018, 92710454019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	01/29/24 22:15	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	01/29/24 22:15	
Benzene	ug/L	ND	5.0	01/29/24 22:15	
Diisopropyl ether	ug/L	ND	5.0	01/29/24 22:15	
Ethanol	ug/L	ND	200	01/29/24 22:15	
Ethyl-tert-butyl ether	ug/L	ND	10.0	01/29/24 22:15	
Ethylbenzene	ug/L	ND	5.0	01/29/24 22:15	
m&p-Xylene	ug/L	ND	10.0	01/29/24 22:15	
Methyl-tert-butyl ether	ug/L	ND	5.0	01/29/24 22:15	
Naphthalene	ug/L	ND	5.0	01/29/24 22:15	v1
o-Xylene	ug/L	ND	5.0	01/29/24 22:15	
tert-Amyl Alcohol	ug/L	ND	100	01/29/24 22:15	
tert-Amylmethyl ether	ug/L	ND	10.0	01/29/24 22:15	
tert-Butyl Alcohol	ug/L	ND	100	01/29/24 22:15	
tert-Butyl Formate	ug/L	ND	50.0	01/29/24 22:15	
Toluene	ug/L	ND	5.0	01/29/24 22:15	
Xylene (Total)	ug/L	ND	5.0	01/29/24 22:15	
1,2-Dichloroethane-d4 (S)	%	85	70-130	01/29/24 22:15	
4-Bromofluorobenzene (S)	%	96	70-130	01/29/24 22:15	
Toluene-d8 (S)	%	94	70-130	01/29/24 22:15	

LABORATORY CONTROL SAMPLE: 4283230

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	14.7	73	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	439	110	70-130	
Benzene	ug/L	20	20.5	102	70-130	
Diisopropyl ether	ug/L	20	18.0	90	70-130	
Ethanol	ug/L	800	861	108	70-130	
Ethyl-tert-butyl ether	ug/L	40	34.2	86	70-130	
Ethylbenzene	ug/L	20	21.0	105	70-130	
m&p-Xylene	ug/L	40	41.8	105	70-130	
Methyl-tert-butyl ether	ug/L	20	16.3	81	70-130	
Naphthalene	ug/L	20	23.9	119	70-130	v1
o-Xylene	ug/L	20	20.6	103	70-130	
tert-Amyl Alcohol	ug/L	400	393	98	70-130	
tert-Amylmethyl ether	ug/L	40	38.9	97	70-130	
tert-Butyl Alcohol	ug/L	200	148	74	70-130	
tert-Butyl Formate	ug/L	160	144	90	70-130	

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**QUALITY CONTROL DATA**

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

LABORATORY CONTROL SAMPLE: 4283230

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.7	98	70-130	
Xylene (Total)	ug/L	60	62.4	104	70-130	
1,2-Dichloroethane-d4 (S)	%			83	70-130	
4-Bromofluorobenzene (S)	%			93	70-130	
Toluene-d8 (S)	%			95	70-130	

MATRIX SPIKE SAMPLE: 4283232

Parameter	Units	92710422004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	18.2	91	70-137	v3
3,3-Dimethyl-1-Butanol	ug/L	ND	400	501	125	39-157	
Benzene	ug/L	ND	20	29.1	121	70-151	
Diisopropyl ether	ug/L	ND	20	24.1	120	63-144	
Ethanol	ug/L	ND	800	1030	128	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	44.9	112	66-137	
Ethylbenzene	ug/L	15.8	20	40.8	125	66-153	
m&p-Xylene	ug/L	ND	40	46.9	117	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	21.5	107	54-156	
Naphthalene	ug/L	35.8	20	64.5	144	61-148	
o-Xylene	ug/L	ND	20	23.7	118	70-148	
tert-Amyl Alcohol	ug/L	139	400	638	125	54-153	
tert-Amylmethyl ether	ug/L	ND	40	46.0	115	69-139	
tert-Butyl Alcohol	ug/L	ND	200	258	129	43-188	
tert-Butyl Formate	ug/L	ND	160	78.5	49	10-170	
Toluene	ug/L	ND	20	22.8	111	59-148	
Xylene (Total)	ug/L	ND	60	70.5	118	63-158	
1,2-Dichloroethane-d4 (S)	%				87	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 4283231

Parameter	Units	92710422013 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		v2
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		
Benzene	ug/L	ND	ND		
Diisopropyl ether	ug/L	ND	ND		
Ethanol	ug/L	ND	ND		
Ethyl-tert-butyl ether	ug/L	ND	ND		
Ethylbenzene	ug/L	ND	ND		
m&p-Xylene	ug/L	ND	ND		
Methyl-tert-butyl ether	ug/L	ND	ND		
Naphthalene	ug/L	ND	ND		
o-Xylene	ug/L	ND	ND		

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### QUALITY CONTROL DATA

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

SAMPLE DUPLICATE: 4283231

Parameter	Units	92710422013 Result	Dup Result	RPD	Qualifiers
tert-Amyl Alcohol	ug/L	ND	ND		
tert-Amylmethyl ether	ug/L	ND	ND		
tert-Butyl Alcohol	ug/L	ND	ND		
tert-Butyl Formate	ug/L	ND	ND		
Toluene	ug/L	ND	ND		
Xylene (Total)	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	87	90		
4-Bromofluorobenzene (S)	%	92	94		
Toluene-d8 (S)	%	102	98		

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## QUALITY CONTROL DATA

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

QC Batch: 828572

Analysis Method: EPA 8260D

QC Batch Method: EPA 8260D

Analysis Description: 8260 MSV SC

Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92710454021, 92710454022

METHOD BLANK: 4283246

Matrix: Water

Associated Lab Samples: 92710454021, 92710454022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	01/29/24 21:26	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	01/29/24 21:26	
Benzene	ug/L	ND	5.0	01/29/24 21:26	
Diisopropyl ether	ug/L	ND	5.0	01/29/24 21:26	
Ethanol	ug/L	ND	200	01/29/24 21:26	
Ethyl-tert-butyl ether	ug/L	ND	10.0	01/29/24 21:26	
Ethylbenzene	ug/L	ND	5.0	01/29/24 21:26	
m&p-Xylene	ug/L	ND	10.0	01/29/24 21:26	
Methyl-tert-butyl ether	ug/L	ND	5.0	01/29/24 21:26	
Naphthalene	ug/L	ND	5.0	01/29/24 21:26	
o-Xylene	ug/L	ND	5.0	01/29/24 21:26	
tert-Amyl Alcohol	ug/L	ND	100	01/29/24 21:26	
tert-Amylmethyl ether	ug/L	ND	10.0	01/29/24 21:26	
tert-Butyl Alcohol	ug/L	ND	100	01/29/24 21:26	
tert-Butyl Formate	ug/L	ND	50.0	01/29/24 21:26	
Toluene	ug/L	ND	5.0	01/29/24 21:26	
Xylene (Total)	ug/L	ND	5.0	01/29/24 21:26	
1,2-Dichloroethane-d4 (S)	%	90	70-130	01/29/24 21:26	
4-Bromofluorobenzene (S)	%	97	70-130	01/29/24 21:26	
Toluene-d8 (S)	%	99	70-130	01/29/24 21:26	

LABORATORY CONTROL SAMPLE: 4283247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.3	97	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	408	102	70-130	
Benzene	ug/L	20	20.7	104	70-130	
Diisopropyl ether	ug/L	20	18.5	93	70-130	
Ethanol	ug/L	800	774	97	70-130	
Ethyl-tert-butyl ether	ug/L	40	37.3	93	70-130	
Ethylbenzene	ug/L	20	20.4	102	70-130	
m&p-Xylene	ug/L	40	40.2	100	70-130	
Methyl-tert-butyl ether	ug/L	20	19.7	98	70-130	
Naphthalene	ug/L	20	22.0	110	70-130	
o-Xylene	ug/L	20	21.1	106	70-130	
tert-Amyl Alcohol	ug/L	400	365	91	70-130	
tert-Amylmethyl ether	ug/L	40	37.9	95	70-130	
tert-Butyl Alcohol	ug/L	200	186	93	70-130	
tert-Butyl Formate	ug/L	160	147	92	70-130	

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## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

LABORATORY CONTROL SAMPLE: 4283247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	20.0	100	70-130	
Xylene (Total)	ug/L	60	61.3	102	70-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4283248 4283249

Parameter	92710456001		MS		MSD		MS		MSD		% Rec Limits	RPD	Qual
	Units	Result	Spike Conc.	MS Spike Conc.	MS Result	MSD Result	% Rec	% Rec					
1,2-Dichloroethane	ug/L	ND	20	20	19.5	18.6	97	93	70-137	4			
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	405	374	101	93	39-157	8			
Benzene	ug/L	ND	20	20	22.3	21.8	111	109	70-151	2			
Diisopropyl ether	ug/L	ND	20	20	18.6	17.4	93	87	63-144	6			
Ethanol	ug/L	ND	800	800	716	672	90	84	39-176	6			
Ethyl-tert-butyl ether	ug/L	ND	40	40	37.7	35.1	94	88	66-137	7			
Ethylbenzene	ug/L	ND	20	20	21.4	20.6	107	103	66-153	3			
m&p-Xylene	ug/L	ND	40	40	42.9	40.7	107	102	69-152	5			
Methyl-tert-butyl ether	ug/L	ND	20	20	19.7	18.2	99	91	54-156	8			
Naphthalene	ug/L	ND	20	20	24.6	20.9	123	104	61-148	16			
o-Xylene	ug/L	ND	20	20	21.8	20.6	109	103	70-148	6			
tert-Amyl Alcohol	ug/L	ND	400	400	372	337	93	84	54-153	10			
tert-Amylmethyl ether	ug/L	ND	40	40	38.3	36.3	96	91	69-139	5			
tert-Butyl Alcohol	ug/L	ND	200	200	172	167	86	83	43-188	3			
tert-Butyl Formate	ug/L	ND	160	160	140	116	88	73	10-170	19			
Toluene	ug/L	ND	20	20	22.0	21.0	110	105	59-148	5			
Xylene (Total)	ug/L	ND	60	60	64.6	61.2	108	102	63-158	5			
1,2-Dichloroethane-d4 (S)	%						88	87	70-130				
4-Bromofluorobenzene (S)	%						97	100	70-130				
Toluene-d8 (S)	%						98	97	70-130				

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**REPORT OF LABORATORY ANALYSIS**

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**QUALITY CONTROL DATA**

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

QC Batch:	828573	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV SC
		Laboratory:	Pace Analytical Services - Charlotte
Associated Lab Samples:	92710454002, 92710454003, 92710454004, 92710454005, 92710454008, 92710454009, 92710454010, 92710454011, 92710454012, 92710454013		

METHOD BLANK: 4283250 Matrix: Water  
 Associated Lab Samples: 92710454002, 92710454003, 92710454004, 92710454005, 92710454008, 92710454009, 92710454010, 92710454011, 92710454012, 92710454013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	01/29/24 21:43	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	01/29/24 21:43	
Benzene	ug/L	ND	5.0	01/29/24 21:43	
Diisopropyl ether	ug/L	ND	5.0	01/29/24 21:43	
Ethanol	ug/L	ND	200	01/29/24 21:43	
Ethyl-tert-butyl ether	ug/L	ND	10.0	01/29/24 21:43	
Ethylbenzene	ug/L	ND	5.0	01/29/24 21:43	
m&p-Xylene	ug/L	ND	10.0	01/29/24 21:43	
Methyl-tert-butyl ether	ug/L	ND	5.0	01/29/24 21:43	
Naphthalene	ug/L	ND	5.0	01/29/24 21:43	
o-Xylene	ug/L	ND	5.0	01/29/24 21:43	
tert-Amyl Alcohol	ug/L	ND	100	01/29/24 21:43	
tert-Amylmethyl ether	ug/L	ND	10.0	01/29/24 21:43	
tert-Butyl Alcohol	ug/L	ND	100	01/29/24 21:43	
tert-Butyl Formate	ug/L	ND	50.0	01/29/24 21:43	
Toluene	ug/L	ND	5.0	01/29/24 21:43	
Xylene (Total)	ug/L	ND	5.0	01/29/24 21:43	
1,2-Dichloroethane-d4 (S)	%	91	70-130	01/29/24 21:43	
4-Bromofluorobenzene (S)	%	100	70-130	01/29/24 21:43	
Toluene-d8 (S)	%	100	70-130	01/29/24 21:43	

LABORATORY CONTROL SAMPLE: 4283251

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	18.5	93	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	388	97	70-130	
Benzene	ug/L	20	20.7	104	70-130	
Diisopropyl ether	ug/L	20	18.0	90	70-130	
Ethanol	ug/L	800	746	93	70-130	
Ethyl-tert-butyl ether	ug/L	40	35.9	90	70-130	
Ethylbenzene	ug/L	20	20.4	102	70-130	
m&p-Xylene	ug/L	40	40.3	101	70-130	
Methyl-tert-butyl ether	ug/L	20	18.9	94	70-130	
Naphthalene	ug/L	20	21.2	106	70-130	
o-Xylene	ug/L	20	20.5	103	70-130	
tert-Amyl Alcohol	ug/L	400	345	86	70-130	
tert-Amylmethyl ether	ug/L	40	36.9	92	70-130	

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## QUALITY CONTROL DATA

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

LABORATORY CONTROL SAMPLE: 4283251

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Alcohol	ug/L	200	163	82	70-130	
tert-Butyl Formate	ug/L	160	150	94	70-130	
Toluene	ug/L	20	20.0	100	70-130	
Xylene (Total)	ug/L	60	60.9	101	70-130	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE SAMPLE: 4283253

Parameter	Units	92710454003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	20.2	101	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	410	102	39-157	
Benzene	ug/L	ND	20	22.5	112	70-151	
Diisopropyl ether	ug/L	ND	20	19.2	96	63-144	
Ethanol	ug/L	ND	800	770	96	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	38.8	97	66-137	
Ethylbenzene	ug/L	ND	20	21.5	108	66-153	
m&p-Xylene	ug/L	ND	40	42.9	107	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	20.4	102	54-156	
Naphthalene	ug/L	ND	20	21.7	109	61-148	
o-Xylene	ug/L	ND	20	21.6	108	70-148	
tert-Amyl Alcohol	ug/L	ND	400	364	91	54-153	
tert-Amylmethyl ether	ug/L	ND	40	38.6	96	69-139	
tert-Butyl Alcohol	ug/L	ND	200	184	92	43-188	
tert-Butyl Formate	ug/L	ND	160	136	85	10-170	
Toluene	ug/L	ND	20	22.2	111	59-148	
Xylene (Total)	ug/L	ND	60	64.5	108	63-158	
1,2-Dichloroethane-d4 (S)	%				92	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 4283252

Parameter	Units	92710454002 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		
Benzene	ug/L	ND	ND		
Diisopropyl ether	ug/L	ND	ND		
Ethanol	ug/L	ND	ND		
Ethyl-tert-butyl ether	ug/L	ND	ND		
Ethylbenzene	ug/L	ND	ND		
m&p-Xylene	ug/L	ND	ND		
Methyl-tert-butyl ether	ug/L	ND	ND		

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**QUALITY CONTROL DATA**

Project: WARREN GREEN 4887/67757  
 Pace Project No.: 92710454

SAMPLE DUPLICATE: 4283252

Parameter	Units	92710454002 Result	Dup Result	RPD	Qualifiers
Naphthalene	ug/L	ND	ND		
o-Xylene	ug/L	ND	ND		
tert-Amyl Alcohol	ug/L	ND	ND		
tert-Amylmethyl ether	ug/L	ND	ND		
tert-Butyl Alcohol	ug/L	ND	ND		
tert-Butyl Formate	ug/L	ND	ND		
Toluene	ug/L	ND	ND		
Xylene (Total)	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	94	92		
4-Bromofluorobenzene (S)	%	95	99		
Toluene-d8 (S)	%	98	100		

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**QUALITY CONTROL DATA**

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

QC Batch:	828855	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260 MSV SC
		Laboratory:	Pace Analytical Services - Charlotte

Associated Lab Samples: 92710454020

METHOD BLANK: 4284240 Matrix: Water

Associated Lab Samples: 92710454020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	01/30/24 17:30	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	01/30/24 17:30	
Benzene	ug/L	ND	5.0	01/30/24 17:30	
Diisopropyl ether	ug/L	ND	5.0	01/30/24 17:30	
Ethanol	ug/L	ND	200	01/30/24 17:30	
Ethyl-tert-butyl ether	ug/L	ND	10.0	01/30/24 17:30	
Ethylbenzene	ug/L	ND	5.0	01/30/24 17:30	
m&p-Xylene	ug/L	ND	10.0	01/30/24 17:30	
Methyl-tert-butyl ether	ug/L	ND	5.0	01/30/24 17:30	
Naphthalene	ug/L	ND	5.0	01/30/24 17:30	
o-Xylene	ug/L	ND	5.0	01/30/24 17:30	
tert-Amyl Alcohol	ug/L	ND	100	01/30/24 17:30	
tert-Amylmethyl ether	ug/L	ND	10.0	01/30/24 17:30	
tert-Butyl Alcohol	ug/L	ND	100	01/30/24 17:30	
tert-Butyl Formate	ug/L	ND	50.0	01/30/24 17:30	
Toluene	ug/L	ND	5.0	01/30/24 17:30	
Xylene (Total)	ug/L	ND	5.0	01/30/24 17:30	
1,2-Dichloroethane-d4 (S)	%	88	70-130	01/30/24 17:30	
4-Bromofluorobenzene (S)	%	95	70-130	01/30/24 17:30	
Toluene-d8 (S)	%	100	70-130	01/30/24 17:30	

LABORATORY CONTROL SAMPLE: 4284241

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	20.0	100	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	340	85	70-130	
Benzene	ug/L	20	18.9	95	70-130	
Diisopropyl ether	ug/L	20	18.3	91	70-130	
Ethanol	ug/L	800	664	83	70-130	
Ethyl-tert-butyl ether	ug/L	40	36.9	92	70-130	
Ethylbenzene	ug/L	20	19.9	99	70-130	
m&p-Xylene	ug/L	40	39.9	100	70-130	
Methyl-tert-butyl ether	ug/L	20	17.2	86	70-130	
Naphthalene	ug/L	20	18.8	94	70-130	
o-Xylene	ug/L	20	20.1	100	70-130	
tert-Amyl Alcohol	ug/L	400	354	88	70-130	
tert-Amylmethyl ether	ug/L	40	35.3	88	70-130	
tert-Butyl Alcohol	ug/L	200	184	92	70-130	
tert-Butyl Formate	ug/L	160	165	103	70-130	

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**QUALITY CONTROL DATA**

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

LABORATORY CONTROL SAMPLE: 4284241

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.3	97	70-130	
Xylene (Total)	ug/L	60	60.0	100	70-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 4284243

Parameter	Units	92710450006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	19.8	99	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	415	104	39-157	
Benzene	ug/L	1.9J	20	24.8	115	70-151	
Diisopropyl ether	ug/L	ND	20	19.2	96	63-144	
Ethanol	ug/L	ND	800	780	98	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	38.2	95	66-137	
Ethylbenzene	ug/L	45.5	20	66.7	106	66-153	
m&p-Xylene	ug/L	ND	40	44.1	110	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	19.5	98	54-156	
Naphthalene	ug/L	ND	20	26.0	130	61-148	
o-Xylene	ug/L	ND	20	22.4	110	70-148	
tert-Amyl Alcohol	ug/L	ND	400	370	92	54-153	
tert-Amylmethyl ether	ug/L	ND	40	39.1	98	69-139	
tert-Butyl Alcohol	ug/L	ND	200	199	100	43-188	
tert-Butyl Formate	ug/L	ND	160	102	64	10-170	
Toluene	ug/L	ND	20	22.5	111	59-148	
Xylene (Total)	ug/L	ND	60	66.5	111	63-158	
1,2-Dichloroethane-d4 (S)	%				90	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				99	70-130	

SAMPLE DUPLICATE: 4284242

Parameter	Units	92710427028 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		
Benzene	ug/L	ND	ND		
Diisopropyl ether	ug/L	ND	ND		
Ethanol	ug/L	ND	ND		
Ethyl-tert-butyl ether	ug/L	ND	ND		
Ethylbenzene	ug/L	ND	ND		
m&p-Xylene	ug/L	ND	ND		
Methyl-tert-butyl ether	ug/L	ND	ND		
Naphthalene	ug/L	ND	ND		
o-Xylene	ug/L	ND	ND		

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**QUALITY CONTROL DATA**

Project: WARREN GREEN 4887/67757  
 Pace Project No.: 92710454

SAMPLE DUPLICATE: 4284242

Parameter	Units	92710427028 Result	Dup Result	RPD	Qualifiers
tert-Amyl Alcohol	ug/L	ND	ND		
tert-Amylmethyl ether	ug/L	ND	ND		
tert-Butyl Alcohol	ug/L	ND	ND		
tert-Butyl Formate	ug/L	ND	ND		
Toluene	ug/L	ND	ND		
Xylene (Total)	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	83	92		
4-Bromofluorobenzene (S)	%	96	95		
Toluene-d8 (S)	%	100	99		

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**QUALITY CONTROL DATA**

Project: WARREN GREEN 4887/67757  
 Pace Project No.: 92710454

QC Batch: 828444	Analysis Method: EPA 504.1
QC Batch Method: EPA 504.1	Analysis Description: GCS 504 EDB DBCP
	Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92710454023, 92710454024, 92710454025, 92710454026, 92710454027, 92710454028, 92710454029

METHOD BLANK: 4282859 Matrix: Water  
 Associated Lab Samples: 92710454023, 92710454024, 92710454025, 92710454026, 92710454027, 92710454028, 92710454029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	01/30/24 01:12	
1-Chloro-2-bromopropane (S)	%	108	70-130	01/30/24 01:12	

LABORATORY CONTROL SAMPLE & LCSD: 4282860 4282864

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.25	0.24	0.24	96	95	70-130	1	20	
1-Chloro-2-bromopropane (S)	%				108	107	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4282862 4282863

Parameter	Units	92710427032 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.24	0.24	0.22	0.23	89	94	65-135	5	
1-Chloro-2-bromopropane (S)	%						98	102	70-130		

SAMPLE DUPLICATE: 4282861

Parameter	Units	92710427031 Result	Dup Result	RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1-Chloro-2-bromopropane (S)	%	103	103		

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**REPORT OF LABORATORY ANALYSIS**

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**QUALITY CONTROL DATA**

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

QC Batch: 828788

Analysis Method: EPA 8011

QC Batch Method: EPA 8011

Analysis Description: GCS 8011 EDB DBCP

Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92710454001, 92710454002

METHOD BLANK: 4283892

Matrix: Water

Associated Lab Samples: 92710454001, 92710454002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.018	01/30/24 15:52	
1-Chloro-2-bromopropane (S)	%	104	60-140	01/30/24 15:52	

LABORATORY CONTROL SAMPLE & LCSD: 4283893

4283894

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.26	0.29	0.28	112	109	60-140	4	20	
1-Chloro-2-bromopropane (S)	%				102	100	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4283895

4283896

Parameter	Units	92710000004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.31	0.31	0.29	0.29	93	93	60-140	0	
1-Chloro-2-bromopropane (S)	%						82	83	60-140		

SAMPLE DUPLICATE: 4283897

Parameter	Units	92710427016 Result	Dup Result	RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1-Chloro-2-bromopropane (S)	%	96	95		

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**REPORT OF LABORATORY ANALYSIS**

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**QUALITY CONTROL DATA**

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

QC Batch:	828789	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	GCS 8011 EDB DBCP
		Laboratory:	Pace Analytical Services - Charlotte
Associated Lab Samples:	92710454003, 92710454004, 92710454005, 92710454006, 92710454007, 92710454008, 92710454009, 92710454010, 92710454011, 92710454012, 92710454013, 92710454014, 92710454015, 92710454016, 92710454017, 92710454018, 92710454019, 92710454020, 92710454021		

METHOD BLANK:	4283898	Matrix:	Water
Associated Lab Samples:	92710454003, 92710454004, 92710454005, 92710454006, 92710454007, 92710454008, 92710454009, 92710454010, 92710454011, 92710454012, 92710454013, 92710454014, 92710454015, 92710454016, 92710454017, 92710454018, 92710454019, 92710454020, 92710454021		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	01/30/24 15:45	
1-Chloro-2-bromopropane (S)	%	82	60-140	01/30/24 15:45	

LABORATORY CONTROL SAMPLE & LCSD:	4283899	4283900								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.26	0.21	0.24	79	91	60-140	15	20	
1-Chloro-2-bromopropane (S)	%				100	102	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4283901	4283902									
Parameter	Units	92710454003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.26	0.26	0.25	0.25	94	94	60-140		0
1-Chloro-2-bromopropane (S)	%						100	100	60-140		

SAMPLE DUPLICATE:	4283903	92710454004		Dup Result						
Parameter	Units	Result	Result	Result	Result	RPD	Qualifiers			
1,2-Dibromoethane (EDB)	ug/L	ND	ND	ND	ND					
1-Chloro-2-bromopropane (S)	%	97	97	94	94					

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**REPORT OF LABORATORY ANALYSIS**

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## QUALIFIERS

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

- √1 The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
- √2 The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
- √3 The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

## REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WARREN GREEN 4887/67757

Pace Project No.: 92710454

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92710454023	WSW-1	EPA 504.1	828444	EPA 504.1	828546
92710454024	WSW-2	EPA 504.1	828444	EPA 504.1	828546
92710454025	WSW-3	EPA 504.1	828444	EPA 504.1	828546
92710454026	WSW-4	EPA 504.1	828444	EPA 504.1	828546
92710454027	WSW-5	EPA 504.1	828444	EPA 504.1	828546
92710454028	WSW-DUP	EPA 504.1	828444	EPA 504.1	828546
92710454029	WSW-FB	EPA 504.1	828444	EPA 504.1	828546
92710454001	MW-1	EPA 8011	828788	EPA 8011	828902
92710454002	MW-3R	EPA 8011	828788	EPA 8011	828902
92710454003	MW-4	EPA 8011	828789	EPA 8011	828901
92710454004	MW-5	EPA 8011	828789	EPA 8011	828901
92710454005	MW-6R	EPA 8011	828789	EPA 8011	828901
92710454006	MW-7R	EPA 8011	828789	EPA 8011	828901
92710454007	MW-8	EPA 8011	828789	EPA 8011	828901
92710454008	MW-9	EPA 8011	828789	EPA 8011	828901
92710454009	MW-10	EPA 8011	828789	EPA 8011	828901
92710454010	MW-11R	EPA 8011	828789	EPA 8011	828901
92710454011	MW-13R	EPA 8011	828789	EPA 8011	828901
92710454012	MW-14	EPA 8011	828789	EPA 8011	828901
92710454013	MW-15	EPA 8011	828789	EPA 8011	828901
92710454014	DW-1	EPA 8011	828789	EPA 8011	828901
92710454015	DW-2	EPA 8011	828789	EPA 8011	828901
92710454016	DW-3	EPA 8011	828789	EPA 8011	828901
92710454017	DW-4	EPA 8011	828789	EPA 8011	828901
92710454018	DW-5	EPA 8011	828789	EPA 8011	828901
92710454019	DW-6	EPA 8011	828789	EPA 8011	828901
92710454020	DUP	EPA 8011	828789	EPA 8011	828901
92710454021	FB	EPA 8011	828789	EPA 8011	828901
92710454023	WSW-1	EPA 524.2	828550		
92710454024	WSW-2	EPA 524.2	828550		
92710454025	WSW-3	EPA 524.2	828550		
92710454026	WSW-4	EPA 524.2	828550		
92710454027	WSW-5	EPA 524.2	828550		
92710454028	WSW-DUP	EPA 524.2	828550		
92710454029	WSW-FB	EPA 524.2	828550		
92710454030	WSW-TB	EPA 524.2	828907		
92710454023	WSW-1	EPA 8260D	828458		
92710454024	WSW-2	EPA 8260D	828458		
92710454025	WSW-3	EPA 8260D	828458		
92710454026	WSW-4	EPA 8260D	828458		
92710454027	WSW-5	EPA 8260D	828458		
92710454028	WSW-DUP	EPA 8260D	828458		
92710454029	WSW-FB	EPA 8260D	828458		
92710454030	WSW-TB	EPA 8260D	828458		
92710454001	MW-1	EPA 8260D	828563		

REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: WARREN GREEN 4887/67757  
 Pace Project No.: 92710454

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92710454002	MW-3R	EPA 8260D	828573		
92710454003	MW-4	EPA 8260D	828573		
92710454004	MW-5	EPA 8260D	828573		
92710454005	MW-6R	EPA 8260D	828573		
92710454006	MW-7R	EPA 8260D	828563		
92710454007	MW-8	EPA 8260D	828563		
92710454008	MW-9	EPA 8260D	828573		
92710454009	MW-10	EPA 8260D	828573		
92710454010	MW-11R	EPA 8260D	828573		
92710454011	MW-13R	EPA 8260D	828573		
92710454012	MW-14	EPA 8260D	828573		
92710454013	MW-15	EPA 8260D	828573		
92710454014	DW-1	EPA 8260D	828566		
92710454015	DW-2	EPA 8260D	828566		
92710454016	DW-3	EPA 8260D	828566		
92710454017	DW-4	EPA 8260D	828566		
92710454018	DW-5	EPA 8260D	828566		
92710454019	DW-6	EPA 8260D	828566		
92710454020	DUP	EPA 8260D	828855		
92710454021	FB	EPA 8260D	828572		
92710454022	TB	EPA 8260D	828572		

**REPORT OF LABORATORY ANALYSIS**

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CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Company: SCOTHEC

Billing Information:

Address: 2600 Bell St

Email To: Brown@pche.sc.gov

Report To: G. Brown

Site Collection Info/Address:

Copy To:

State: County/City: Time Zone Collected:

Customer Project Name/Number: Warren Green

State: County/City: Time Zone Collected: SC1 Desper MT CT 1AET

Phone: 4889

Site/Facility ID #: 4889

Collected By (print): Hester

Purchase Order #: 69757

Collected By (signature): Hester

Quote #: 69757

Sample Disposal:

Turnaround Date Required:

Disposal as appropriate

Rush:  Same Day  Next Day  2 Day  3 Day  4 Day  5 Day

Archive:

Field Filtered (if applicable):  Yes  No

Hold:

Analysis:

\* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected for Composite Start		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
MW-1	GW	G	1/24	12:45				6
MW-2	GW	G	1/24	12:05				6
MW-3R	GW	G	1/24	12:30				6
MW-4	GW	G	1/24	11:51				6
MW-5	GW	G	1/24	11:53				6
MW-6R	GW	G	1/24	12:38				6
MW-8	GW	G	1/24	11:31				6
MW-9	GW	G	1/24	11:23				6
MW-10	GW	G	1/24	11:10				6

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used:  Blue  Dry  None

Packing Material Used: BBS

Radchem sample(s) screened (<500 cpm): Y N NA

W0#: 92710454

Pace Workorder Number or B USE ONLY

Analyses:  (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other

Lab Profile/Line:

Lab Sample Receipt Checklist:

- Custody Seals Present/Intact Y N
- Custody Signatures Present Y N
- Collector Signatures Present Y N
- Bottles Intact Y N
- Correct Bottles Y N
- Sufficient Volume Y N
- Samples Received on Ice Y N
- VOA - Headspace Acceptable Y N
- USA Regulated Soils Y N
- Samples in Holding Time Y N
- Residual Chlorine Present Y N
- CI Strips: Y N
- Sample pH Acceptable Y N
- pH Strips: Y N
- Lead Present Y N
- Sulfide Strips: Y N
- Lead Acetate Strips: Y N

LAB USE ONLY: Lab Sample # / Comments: 92710454-1

SHORT HOLDS PRESENT (<72 hours): Y N

Lab Tracking #: 2910974

Samples received via: FEDEX UPS Client Courier

Date/Time: 1/24/24 1030

Date/Time: 1/24/24 1530

Received by/Company: (Signature) JOSH MALLAS/PACE

Received by/Company: (Signature) JOSH MALLAS/PACE

Received by/Company: (Signature) JOSH MALLAS/PACE

Temp Blank Received: Y N NA

Therm ID#: 327020

Cooler 1 Temp Upon Receipt: 31/14.9

Cooler 1 Therm Corr. Factor: 0.01/0C

Cooler 1 Corrected Temp: 30.97/14.9

Comments:



CHAIN-OF-CUSTODY Analytical Request Document

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Company: SCDHEC Billing Information: \_\_\_\_\_  
 Address: 2000 Bull St Email To: Brian Edhe Siegel

Report To: G. Braun Site Collection Info/Address: \_\_\_\_\_  
 Copy To: \_\_\_\_\_ State: \_\_\_\_\_ County/City: \_\_\_\_\_ Time Zone Collected: \_\_\_\_\_

Customer Project Name/Number: Warren Green Site/Facility ID #: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Email: 4887 Compliance Monitoring?  Yes  No

Collected By (print): Hunter Steen Purchase Order #: \_\_\_\_\_  
 Collected By (signature): Hunter Steen Quote #: 677579 DW PWS ID #: \_\_\_\_\_  
 Turnaround Date Required: \_\_\_\_\_ DW Location Code: \_\_\_\_\_  
 Immediately Packaged on Ice:  Yes  No

Sample Disposal: \_\_\_\_\_  
 Dispose as appropriate  Return  Field Filtered (if applicable):  Yes  No  
 Archive: \_\_\_\_\_ Analysis: \_\_\_\_\_  
 Hold: \_\_\_\_\_

\* Matrix Codes (insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW),  
 Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
MW-11R	GW	G	1/24	4:13				6
MW-12R	GW	G	1/24	11:43				6
MW-13R	GW	G	1/24	11:50				6
MW-14				11:58				
MW-15				13:35				
DW-1				12:45				
DW-2				10:55				
DW-3				10:55				
DW-4				13:55				
DW-5								

Customer Remarks / Special Conditions / Possible Hazards: \_\_\_\_\_  
 Type of Ice Used: Wet Blue Dry None  
 Packing Material Used: \_\_\_\_\_  
 Radchem sample(s) screened (<500 cpm): Y N NA

Relinquished by/Company: (Signature) WECI Date/Time: 1/26/24 10:30  
 Relinquished by/Company: (Signature) Josh Mallos/Pace Date/Time: 1/26/24 15:30  
 Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

LAB USE ONLY - Affix Workorder/Login Label Here or List Pace Workorder Number or  
 MTIL Log-in Number Here  
 ALL SHADED AREAS are for LAB USE ONLY  
 Container Preservative Type: \*\* \_\_\_\_\_  
 Lab Project Manager: \_\_\_\_\_  
 Lab Profile/Line: \_\_\_\_\_  
 Lab Sample Receipt Checklist: \_\_\_\_\_  
 Lab Sample #: / Comments: \_\_\_\_\_  
 Lab Sample #: 92109754

Lab Tracking #:	SHOIT HOLDS PRESENT (<72 hours):	Y	N	N/A
<u>2910975</u>				
Samples received Via: FEDEX UPS Client				
Courier: Pace Courier				
MTIL LAB USE ONLY				
Table #:				
Accurnum:				
Template:				
Prelogin:				
PM:				
PB:				

Temp Sample Temperature Info:  
 Temp Blank Received: Y N NA  
 Therm ID#: \_\_\_\_\_  
 Cooler 1 Temp Upon Receipt: \_\_\_\_\_ °C  
 Cooler 1 Therm Corr. Factor: \_\_\_\_\_ °C  
 Cooler 1 Corrected Temp: \_\_\_\_\_ °C  
 Comments: \_\_\_\_\_  
 Trip Blank Received: Y N NA  
 HCL MeOH TSP Other  
 Non Conformance(s): \_\_\_\_\_ Page: \_\_\_\_\_ of: \_\_\_\_\_

CHAIN-OF-CUSTODY Analytical Request Document

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LAB USE ONLY - Affix Workorder/Login Label Here or List Pace Workorder Number or  
MTIL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: **SCDHEC**  
 Address: **2600 Ballist**  
 Report To: **G. Brown**  
 Copy To: \_\_\_\_\_  
 Customer Project Name/Number: **Warren Green**  
 State: **SC** County/City: **Jasper** Time Zone Collected: **ET**  
 Site Collection Info/Address: \_\_\_\_\_  
 Email To: **Bramma@cdhec.sc.gov**  
 Compliance Monitoring?  Yes  No  
 Purchase Order #: **677557**  
 Quote #: \_\_\_\_\_  
 Turnaround Date Required: \_\_\_\_\_  
 DW PWS ID #: \_\_\_\_\_  
 DW Location Code: \_\_\_\_\_  
 Immediately Packed on Ice:  Yes  No  
 Field Filtered (if applicable):  Yes  No  
 Analysis: \_\_\_\_\_

Sample Disposal:  Return  Same Day  Next Day  
 Archive: \_\_\_\_\_  2 Day  3 Day  4 Day  5 Day  
 Hold: \_\_\_\_\_ (Expedite Charges Apply)  
 Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
DW-6	GW	G	11/24	12:20				X
DWP								X
FB				14:03				X
FB				8:00				X
WSW-1	DW	G		14:20				X
WSW-2				14:10				X
WSW-3				14:30				X
WSW-4				14:35				X
WSW-5				14:42				X
WSW-dup								X

Customer Remarks / Special Conditions / Possible Hazards: \_\_\_\_\_

Type of Ice Used: Wet Blue Dry None  
 Packing Material Used: \_\_\_\_\_  
 Radchem sample(s) screened (<5000 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A  
 Lab Tracking #: **2910976**  
 Samples received via: FEDEX UPS Client  
 Courier: Pace Courier  
 Courier: \_\_\_\_\_

Lab Sample Temperature Info:  
 Temp Blank Received: Y N NA  
 Therm ID#: \_\_\_\_\_  
 Cooler 1 Temp Upon Receipt: \_\_\_\_\_ OC  
 Cooler 1 Therm Corr. Factor: \_\_\_\_\_ OC  
 Cooler 1 Corrected Temp: \_\_\_\_\_ OC  
 Comments: \_\_\_\_\_

Relinquished by/Company: (Signature) **MCCI** Date/Time: **11/26/24 10:30**  
 Relinquished by/Company: (Signature) **Sosh Mallas/Pace** Date/Time: **11/26/24 1530**  
 Relinquished by/Company: (Signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Container Preservative Type \*\*  
 Lab Profile/Line: \_\_\_\_\_  
 Lab Sample Receipt Checklist:  
 Custody Seals Present/Intact Y N NA  
 Custody Signatures Present Y N NA  
 Collector Signatures Present Y N NA  
 Bottles Intact Y N NA  
 Correct Bottles Y N NA  
 Sufficient Volume Y N NA  
 Samples Received on Ice Y N NA  
 VOA - Headspace Acceptable Y N NA  
 USDA Regulated Soils Y N NA  
 Samples in Holding Time Y N NA  
 Residual Chlorine Present Y N NA  
 CI Strips: \_\_\_\_\_ Y N NA  
 Sample pH Acceptable \_\_\_\_\_ Y N NA  
 pH Strips: \_\_\_\_\_ Y N NA  
 Sulfide Present \_\_\_\_\_ Y N NA  
 Lead Acetate Strips: \_\_\_\_\_ Y N NA  
 Lab Sample # / Comments: \_\_\_\_\_

MTIL LAB USE ONLY  
 Table #: \_\_\_\_\_  
 Actnum: \_\_\_\_\_  
 Template: \_\_\_\_\_  
 Prelogin: \_\_\_\_\_  
 PM: \_\_\_\_\_  
 PB: \_\_\_\_\_  
 Trip Blank Received: Y N NA  
 HCL MEQH TSP Other  
 Non Conformance(s): \_\_\_\_\_ Page: \_\_\_\_\_ of: \_\_\_\_\_



CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here or List Pace Workorder Number or MTLL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Billing Information:

Container Preservative Type \*\*

Lab Project Manager:

Company: SCOTEC  
 Address: 2600 Ball St  
 Report To: G. Brown  
 Copy To:

Email To: *Bramad@duccscscsc*  
 Site Collection Info/Address:

Customer Project Name/Number: *Warren Green*  
 State: *SC* County/City: *Las Vegas* Time Zone Collected: *ET*

Lab Profile/line: *Lab Sample Receipt Checklist:*

Phone: *4887*  
 Site/Facility ID #: *4887*  
 Compliance Monitoring?  Yes  No  
 Purchased By (print): *Hunter Steen*  
 Quote #: *67757*  
 DW PWS ID #: *67757*  
 DW Location Code:  
 Collected By (signature): *Hunter Steen*  
 Turnaround Date Required:  
 Immediately Packed on Ice:  Yes  No

Custody Seals Present/Intact Y N NA  
 Custody Signatures Present Y N NA  
 Collector Signature Present Y N NA  
 Bottles Intact Y N NA  
 Correct Bottles Y N NA  
 Sufficient Volume Y N NA  
 Samples Received on Ice Y N NA  
 VOA - Headspace Acceptable Y N NA  
 USDA Regulated Soils Y N NA  
 Samples in Holding Time Y N NA  
 Residual Chlorine Present Y N NA  
 CI Strips: Y N NA  
 Sample pH Acceptable Y N NA  
 pH Strips: Y N NA  
 Sulfide Present Y N NA  
 Lead Acetate Strips: Y N NA

Sample Disposal:  
 Dispose as appropriate  Return  
 Archive: \_\_\_\_\_  
 Hold: \_\_\_\_\_  
 Rush:  Same Day  Next Day  
 2 Day  3 Day  4 Day  5 Day  
 (Expedite Charges Apply)

LAB USE ONLY:  
 Lab Sample # / Comments:  
*92710454*  
*029*  
*030*

\* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (S), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res CI	# of Ctns	Container Preservative Type **	Lab Tracking #:	SHORT HOLDS PRESENT (<72 hours):	Y	N	N/A	Lab Sample Temperature Info:
			Date	Time	Date	Time									
<i>WSW-FB</i>	<i>DW</i>	<i>G</i>	<i>1/24</i>	<i>14:50</i>				<i>7</i>	<i>X</i>	<i>2911434</i>				<i>Temp Blank Received: Y N NA</i>	
<i>WSW-TB</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>8:00</i>				<i>6</i>	<i>X</i>					<i>Therm ID#: _____</i>	
														<i>Cooler 1 Temp Upon Receipt: _____</i>	
														<i>Cooler 1 Therm Corr. Factor: _____</i>	
														<i>Cooler 1 Corrected Temp: _____</i>	
														Comments:	

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None  
 Packing Material Used:  
 Radchem sample(s) screened (<500 cpm): Y N NA

Samples received via: FEDEX UPS Client Courier Pace Courier  
 MTLL LAB USE ONLY

Relinquished by/Company: (Signature)  
*MFCI*  
 Date/Time: *1/26/24 10:30*  
 Received by/Company: (Signature)  
*Josh Mallas/Pace*

Table #:  
 Acturnum:  
 Template:  
 Prelogin:

Relinquished by/Company: (Signature)  
*Josh Mallas/Pace*  
 Date/Time: *1/26/24 15:30*  
 Received by/Company: (Signature)  
*Ar Pace Hvc*

Date/Time: *1/26/24 10:30*  
 Date/Time: *1/26/24 15:30*

Non Conformance(s):  
 YES / NO  
 Page: \_\_\_\_\_ of: \_\_\_\_\_

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

\*\*Bottom half of box is to list number of bottles

\*\*\*Check all unpreserved Nitrates for chlorine

Project

**WO#: 92710454**

PM: JWB

Due Date: 02/02/24

CLIENT: 92-SCDHEC

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
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12																	6											

**pH Adjustment Log for Preserved Samples**

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Effective Date: 11/14/2022

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

\*\*Bottom half of box is to list number of bottles

\*\*\*Check all unpreserved Nitrates for chlorine

2

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/
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12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	6	/	/	/	/	/	/	/	/	/	/	/	/

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

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Effective Date: 11/14/2022

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

\*\*Bottom half of box is to list number of bottles

\*\*\*Check all unpreserved Nitrates for chlorine

Project #

3

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
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12																6	3											

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



Effective Date: 11/14/2022

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

\*\*Bottom half of box is to list number of bottles

\*\*\*Check all unpreserved Nitrates for chlorine

41

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
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12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

**pH Adjustment Log for Preserved Samples**

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.





January 31, 2024

Mr. Bryan Shane, P.G.  
Midlands Environmental  
PO Box 854  
Lexington, SC 29071

RE: Project: WARREN GREEN  
Pace Project No.: 92710456

Dear Mr. Shane, P.G.:

Enclosed are the analytical results for sample(s) received by the laboratory on January 26, 2024. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

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

Sincerely,

Jonathan W Biddix  
jonathan.biddix@pacelabs.com  
704-977-0978  
Project Manager

Enclosures

cc: Mr. Jeff Coleman, Midlands Environmental



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: WARREN GREEN  
Pace Project No.: 92710456

---

### Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006  
9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12  
South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001  
South Carolina Drinking Water Cert. #: 99006003  
Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
Louisiana DoH Drinking Water #: LA029  
Virginia/VELAP Certification #: 460221

---

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: WARREN GREEN  
Pace Project No.: 92710456

---

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92710456001	GAC	Water	01/24/24 14:00	01/26/24 10:30

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: WARREN GREEN  
Pace Project No.: 92710456

---

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92710456001	GAC	EPA 8011	HH	2	PASI-C
		EPA 8260D	LMB	20	PASI-C

---

PASI-C = Pace Analytical Services - Charlotte

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: WARREN GREEN

Pace Project No.: 92710456

Sample: GAC									
Lab ID: 92710456001 Collected: 01/24/24 14:00 Received: 01/26/24 10:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>									
Analytical Method: EPA 8011 Preparation Method: EPA 8011									
Pace Analytical Services - Charlotte									
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0076	1	01/30/24 15:19	01/30/24 20:10	106-93-4	
<b>Surrogates</b>									
1-Chloro-2-bromopropane (S)	97	%	60-140		1	01/30/24 15:19	01/30/24 20:10	301-79-56	
<b>8260 MSV</b>									
Analytical Method: EPA 8260D									
Pace Analytical Services - Charlotte									
tert-Amyl Alcohol	ND	ug/L	100	65.6	1		01/30/24 01:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	3.0	1		01/30/24 01:36	994-05-8	
Benzene	ND	ug/L	5.0	1.7	1		01/30/24 01:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	53.9	1		01/30/24 01:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	91.0	1		01/30/24 01:36	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	24.1	1		01/30/24 01:36	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	2.1	1		01/30/24 01:36	107-06-2	
Diisopropyl ether	ND	ug/L	5.0	3.5	1		01/30/24 01:36	108-20-3	
Ethanol	ND	ug/L	200	144	1		01/30/24 01:36	64-17-5	
Ethylbenzene	ND	ug/L	5.0	1.8	1		01/30/24 01:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	8.5	1		01/30/24 01:36	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	5.0	3.1	1		01/30/24 01:36	1634-04-4	
Naphthalene	ND	ug/L	5.0	2.1	1		01/30/24 01:36	91-20-3	
Toluene	ND	ug/L	5.0	2.0	1		01/30/24 01:36	108-88-3	
Xylene (Total)	ND	ug/L	5.0	5.0	1		01/30/24 01:36	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	4.1	1		01/30/24 01:36	179601-23-1	
o-Xylene	ND	ug/L	5.0	2.0	1		01/30/24 01:36	95-47-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96	%	70-130		1		01/30/24 01:36	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130		1		01/30/24 01:36	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		01/30/24 01:36	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA**

Project: WARREN GREEN

Pace Project No.: 92710456

QC Batch: 828572

Analysis Method: EPA 8260D

QC Batch Method: EPA 8260D

Analysis Description: 8260 MSV SC

Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92710456001

METHOD BLANK: 4283246

Matrix: Water

Associated Lab Samples: 92710456001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	5.0	2.1	01/29/24 21:26	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	53.9	01/29/24 21:26	
Benzene	ug/L	ND	5.0	1.7	01/29/24 21:26	
Diisopropyl ether	ug/L	ND	5.0	3.5	01/29/24 21:26	
Ethanol	ug/L	ND	200	144	01/29/24 21:26	
Ethyl-tert-butyl ether	ug/L	ND	10.0	8.5	01/29/24 21:26	
Ethylbenzene	ug/L	ND	5.0	1.8	01/29/24 21:26	
m&p-Xylene	ug/L	ND	10.0	4.1	01/29/24 21:26	
Methyl-tert-butyl ether	ug/L	ND	5.0	3.1	01/29/24 21:26	
Naphthalene	ug/L	ND	5.0	2.1	01/29/24 21:26	
o-Xylene	ug/L	ND	5.0	2.0	01/29/24 21:26	
tert-Amyl Alcohol	ug/L	ND	100	65.6	01/29/24 21:26	
tert-Amylmethyl ether	ug/L	ND	10.0	3.0	01/29/24 21:26	
tert-Butyl Alcohol	ug/L	ND	100	91.0	01/29/24 21:26	
tert-Butyl Formate	ug/L	ND	50.0	24.1	01/29/24 21:26	
Toluene	ug/L	ND	5.0	2.0	01/29/24 21:26	
Xylene (Total)	ug/L	ND	5.0	5.0	01/29/24 21:26	
1,2-Dichloroethane-d4 (S)	%	90	70-130		01/29/24 21:26	
4-Bromofluorobenzene (S)	%	97	70-130		01/29/24 21:26	
Toluene-d8 (S)	%	99	70-130		01/29/24 21:26	

LABORATORY CONTROL SAMPLE: 4283247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.3	97	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	408	102	70-130	
Benzene	ug/L	20	20.7	104	70-130	
Diisopropyl ether	ug/L	20	18.5	93	70-130	
Ethanol	ug/L	800	774	97	70-130	
Ethyl-tert-butyl ether	ug/L	40	37.3	93	70-130	
Ethylbenzene	ug/L	20	20.4	102	70-130	
m&p-Xylene	ug/L	40	40.2	100	70-130	
Methyl-tert-butyl ether	ug/L	20	19.7	98	70-130	
Naphthalene	ug/L	20	22.0	110	70-130	
o-Xylene	ug/L	20	21.1	106	70-130	
tert-Amyl Alcohol	ug/L	400	365	91	70-130	
tert-Amylmethyl ether	ug/L	40	37.9	95	70-130	
tert-Butyl Alcohol	ug/L	200	186	93	70-130	
tert-Butyl Formate	ug/L	160	147	92	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

**REPORT OF LABORATORY ANALYSIS**

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**QUALITY CONTROL DATA**

Project: WARREN GREEN

Pace Project No.: 92710456

LABORATORY CONTROL SAMPLE: 4283247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	20.0	100	70-130	
Xylene (Total)	ug/L	60	61.3	102	70-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4283248 4283249

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92710456001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,2-Dichloroethane	ug/L	ND	20	20	19.5	18.6	97	93	70-137	4	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	405	374	101	93	39-157	8	30	
Benzene	ug/L	ND	20	20	22.3	21.8	111	109	70-151	2	30	
Diisopropyl ether	ug/L	ND	20	20	18.6	17.4	93	87	63-144	6	30	
Ethanol	ug/L	ND	800	800	716	672	90	84	39-176	6	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	37.7	35.1	94	88	66-137	7	30	
Ethylbenzene	ug/L	ND	20	20	21.4	20.6	107	103	66-153	3	30	
m&p-Xylene	ug/L	ND	40	40	42.9	40.7	107	102	69-152	5	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	19.7	18.2	99	91	54-156	8	30	
Naphthalene	ug/L	ND	20	20	24.6	20.9	123	104	61-148	16	30	
o-Xylene	ug/L	ND	20	20	21.8	20.6	109	103	70-148	6	30	
tert-Amyl Alcohol	ug/L	ND	400	400	372	337	93	84	54-153	10	30	
tert-Amylmethyl ether	ug/L	ND	40	40	38.3	36.3	96	91	69-139	5	30	
tert-Butyl Alcohol	ug/L	ND	200	200	172	167	86	83	43-188	3	30	
tert-Butyl Formate	ug/L	ND	160	160	140	116	88	73	10-170	19	30	
Toluene	ug/L	ND	20	20	22.0	21.0	110	105	59-148	5	30	
Xylene (Total)	ug/L	ND	60	60	64.6	61.2	108	102	63-158	5	30	
1,2-Dichloroethane-d4 (S)	%						88	87	70-130			
4-Bromofluorobenzene (S)	%						97	100	70-130			
Toluene-d8 (S)	%						98	97	70-130			

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**QUALITY CONTROL DATA**

Project: WARREN GREEN

Pace Project No.: 92710456

QC Batch: 828789

Analysis Method: EPA 8011

QC Batch Method: EPA 8011

Analysis Description: GCS 8011 EDB DBCP

Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92710456001

METHOD BLANK: 4283898

Matrix: Water

Associated Lab Samples: 92710456001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0077	01/30/24 15:45	
1-Chloro-2-bromopropane (S)	%	82	60-140		01/30/24 15:45	

LABORATORY CONTROL SAMPLE & LCSD: 4283899

4283900

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.26	0.21	0.24	79	91	60-140	15	20	
1-Chloro-2-bromopropane (S)	%				100	102	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4283901

4283902

Parameter	Units	92710454003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.26	0.26	0.25	0.25	94	94	60-140	0	20	
1-Chloro-2-bromopropane (S)	%						100	100	60-140			

SAMPLE DUPLICATE: 4283903

Parameter	Units	92710454004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	97	94			

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## QUALIFIERS

Project: WARREN GREEN

Pace Project No.: 92710456

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WARREN GREEN  
Pace Project No.: 92710456

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Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92710456001	GAC	EPA 8011	828789	EPA 8011	828901
92710456001	GAC	EPA 8260D	828572		

### REPORT OF LABORATORY ANALYSIS

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Effective Date: 11/14/2022

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

**WO# : 92710456**

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

PM: JWB

Due Date: 02/02/24

\*\*Bottom half of box is to list number of bottles

CLIENT: 92-MIDLAND

\*\*\*Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																6													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

**pH Adjustment Log for Preserved Samples**

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

**APPENDIX B:**

**TAX MAP**

Site name: Green Warren

Permit Number: 04887

**Tax Map Info**

<b>Tax Map #</b>	<b>Property Address</b>	<b>Mailing Address</b>	<b>Owner</b>	<b>Wells</b>
088-00-02-032	10773 W. Frontage Road, Yemassee, SC 29945	189 Oakhill Road, Ridgeland, SC 29936	Lasonya Eady ETAL	MW1-4, MW6-7, MW9-15, DW1-2, DW-5
088-00-02-031	W. Frontage Road, Yemassee, SC 29945	189 Oakhill Road, Ridgeland, SC 29936	Rosa G. Lock ETAL	MW-5, MW-8, DW-3, DW-4
088-00-02-023	W. Frontage Road, Yemassee, SC 29945	PO Box 211683 Martinez, GA 30907	Retreat Plantation, LLC	
088-00-02-035	235 Bowers Lane, Yemassee, SC 29945	81 Daniels Lane, Yemassee, SC 29945	Rebecca Bowers	WSW-1
CNL	299 Bowers Lane, Yemassee, SC 29945	CNL	CNL	WSW-2
088-00-02-028	10951 Frontage Road, Yemassee, SC 29945	PO Box 43, Yemassee, SC 29945	Ernest Porchers	WSW-3
088-00-02-028C	10943 Frontage Road, Yemassee, SC 29945	PO Box 1406, Yemassee, SC 29945	Neather Witter	WSW-4



**Legend**  
 □ Parcels  
 — Roads

<b>Parcel ID</b>	088-00-02-032	<b>Alternate ID</b>	088-00-02-032	<b>Owner Address</b>	EADY LASONYA ETAL 189 OAKHILL RD RIDGELAND SC 29936	<b>Last 2 Sales</b>			
<b>Sec/Twp/Rng</b>	n/a	<b>Class</b>	Rural single family residence (land vacant)			<b>Date</b>	<b>Price</b>	<b>Reason</b>	<b>Qual</b>
<b>Property Address</b>	10773 W FRONTAGE RD	<b>Acreage</b>	0.3			5/9/2002	\$1	n/a	U
						n/a	0	n/a	n/a

**District** 01  
**Brief Tax Description** FRONTAGE RD EAST HWY 17  
 (Note: Not to be used on legal documents)

Date created: 6/30/2021  
 Last Data Uploaded: 6/30/2021 2:07:18 AM





**Legend**  
 Parcels  
 Roads

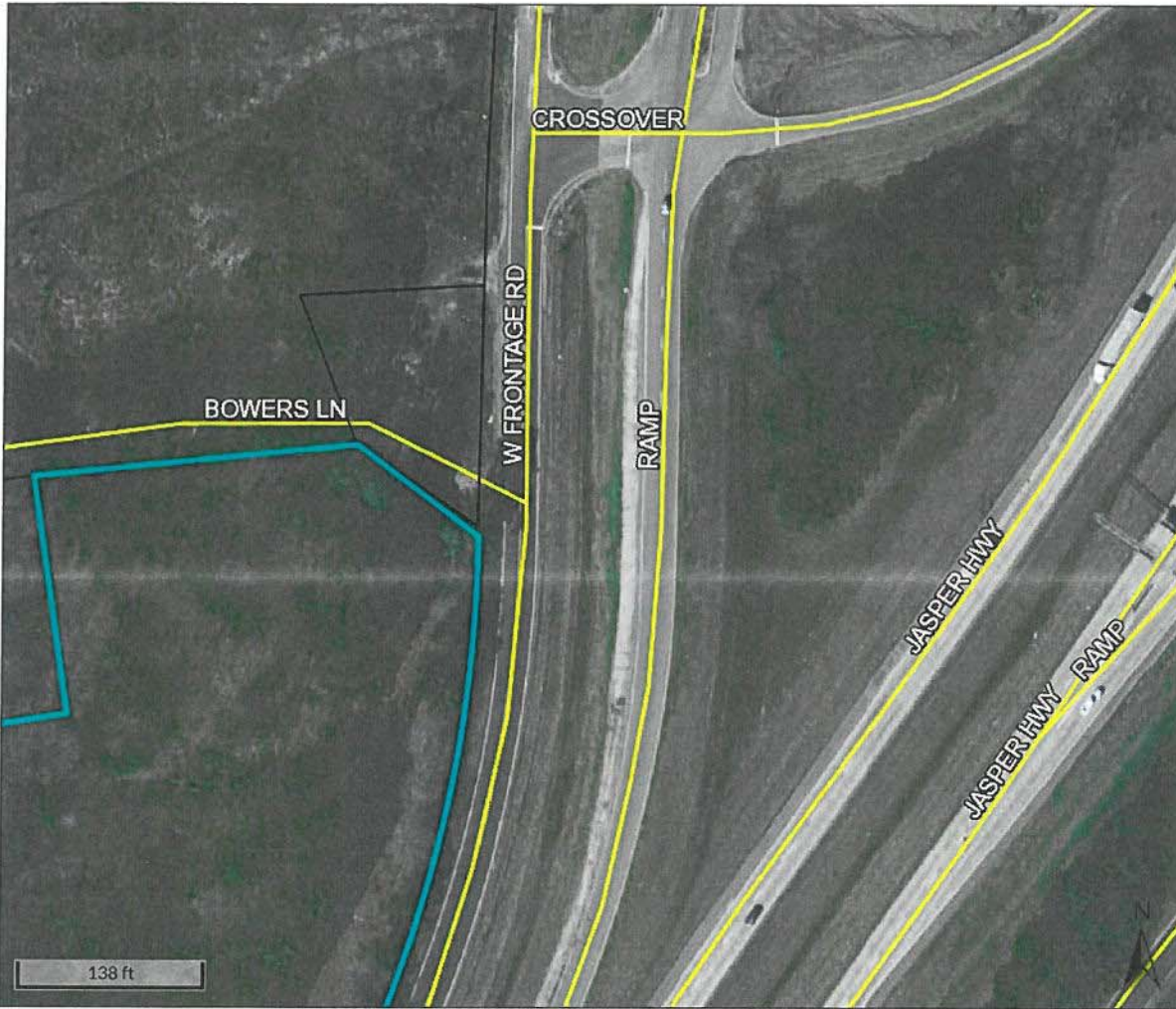
<b>Parcel ID</b>	088-00-02-031	<b>Alternate ID</b>	088-00-02-031	<b>Owner Address</b>	LOCK ROSA GETAL 189 OAKHILL RD RIDGELAND SC 29936	<b>Last 2 Sales</b>			
<b>Sec/Twp/Rng</b>	n/a	<b>Class</b>	Rural single family residence (land vacant)			<b>Date</b>	<b>Price</b>	<b>Reason</b>	<b>Qual</b>
<b>Property Address</b>	FRONTAGE RD	<b>Acreage</b>	6.51			4/20/2007	0	n/a	U
						n/a	0	n/a	n/a

**District** 01  
**Brief Tax Description** FRONTAGE RD

*(Note: Not to be used on legal documents)*

Date created: 6/30/2021  
 Last Data Uploaded: 6/30/2021 2:07:18 AM

Developed by  **Schneider**  
 GEOSPATIAL



**Legend**  
 Parcels  
 Roads

<b>Parcel ID</b>	088-00-02-023	<b>Alternate ID</b>	088-00-02-023	<b>Owner Address</b>	RETREAT PLANTATION LLC P O BOX 211683 MARTINEZ GA 30907	<b>Last 2 Sales</b>			
<b>Sec/Twp/Rng</b>	n/a	<b>Class</b>	Rural acres			<b>Date</b>	<b>Price</b>	<b>Reason</b>	<b>Qual</b>
<b>Property Address</b>	W FRONTAGE RD	<b>Acreage</b>	31.1			12/12/2016	\$100000	n/a	Q
<b>District</b>	01					n/a	0	n/a	n/a
<b>Brief</b>	17 & I-95								
<b>Tax Description</b>									

**(Note: Not to be used on legal documents)**

Date created: 6/30/2021  
 Last Data Uploaded: 6/30/2021 2:07:18 AM

Developed by  Schneider  
 GEOSPATIAL

**APPENDIX C:**  
**DISPOSAL MANIFEST**



February 2, 2024

Re: Treatment of Purge Water  
Warren Green  
Yemassee, South Carolina  
UST Permit# 04887  
MECI Project Number 23-8213

To Whom It May Concern;

Midlands Environmental Consultants, Inc. is providing the following letter as certification that treatment of the referenced purge water complied with the conditions of "Proposed Conditions for Use of Portable Activated Carbon Units for the Treatment of Small Volumes of Petroleum Hydrocarbon Contaminated Groundwater", as described in the following:

Applicability:

Groundwater treated was obtained as a result development of wells and sampling.

Conditions:

1. The purge/bail water from all wells is mixed before usage of the Activated Carbon Unit.
2. No free-product was detected in any of the purge water drums.
3. Analytical results from well sampling show average concentrations of petroleum hydrocarbon constituents less than 5000 parts per billion (ppb) Benzene and less than 20,000 ppb total BTEX.
4. The existing carbon pack will be replaced/reactivated every 5,000 gallons.
5. Record of usage is maintained by Contractor.
6. Any and all recommendations and conditions issued by the Manufacturer have been adhered to.
7. Any and all recommendations and conditions (even on a site by site basis) issued by the SCDHEC must be adhered to.

All purge waters were treated on-site using an up-flow treatment drum loaded with 80 pounds of activated carbon. Carbon will be loaded to a maximum of 3 pounds of total organic compounds or 5,000 gallons of development/purge water, whichever occurs first.



**A total of 180.00 gallons were treated on January 24, 2024 at the referenced site.**

Midlands Environmental also tracks cumulative organic compounds adsorbed on the activated carbon to ensure the capacity of carbon mass is not over-charged. This data is available upon request.

Should you have any questions or comments, please contact the undersigned.

Sincerely,  
Midlands Environmental Consultants, Inc.



Jeff L. Coleman  
Senior Scientist



**APPENDIX D:  
ACCESS AGREEMENTS**



## State Lead Option Property Access Agreement for Site Rehabilitation

*Kathryn*  
UST  
042  
METTIN

Only complete this form if: You are the legal owner of the property OR are the designated authorized representative for the legal owner of the property.

I certify that I am the legal owner of the property identified below or serve as the authorized representative for the legal owner of the property. I authorize the South Carolina Department of Health and Environmental Control (DHEC), or a contractor selected by DHEC, to enter this property at reasonable times only to conduct assessment and corrective action activities, as required. The contractor will be designated as the contractor for the UST owner or operator for only the required environmental site rehabilitation activities. I understand that the Agency will notify me of all activities that are necessary prior to their initiation and will promptly provide to me a summary of the data upon request.

UST Permit # 04887

Facility Name: WARREN GREEN

Facility Address: 10773 W FRONTAGE RD, YEMASSEE, SC

Facility Phone Number:

Is facility within city limits? (check yes/no)  Yes  No

Name of nearest intersecting street/road/highway:

Does public water/sewer utility service this facility?  Yes  No

\*If no, please provide a contact name/number that can assist in the location of private water and septic tank lines:

Name: *LaSonya Eady* Phone Number: *843 683 2131*

Were USTs previously removed from the ground at this facility?  Yes  No

\*If yes, please provide the name/contact number of a person that can assist in the location of the former UST(s):

Name: Phone Number:

Is the facility currently leased to someone?  Yes  No

\*If yes, notify them of the pending work scope, and please provide their name/contact number:

Name: Phone Number:

\*Please note that if vehicles or other mobile structures are parked over the location of the existing or former USTs, they should be moved prior to DHEC's contractor mobilizes to the facility.

Name of Property Owner (Print): *LaSonya Eady, Everette Boscom*

Signature of Property Owner or authorized representative: *LaSonya Eady* Date: *3-18-19*

Affiliation (if applicable)

Signature of Witness Date

### Contact Info

Phone Numbers: Home: Cell: *843 683 2131*

Email Address: *lseady2@yahoo.com*

**APPENDIX E:  
DATA VERIFICATION CHECKLIST**

**Contractor Checklist**

<b>Item#</b>	<b>Item</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
1	Are Facility Name, Permit #, and address provided?	X		
2	Is UST Owner/Operator name, address, & phone number provided?	X		
3	Is name, address, & phone number of current property owner provided?	X		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	X		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			X
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	X		
7	Has the facility history been summarized?			X
8	Has the regional geology and hydrogeology been described?			X
9	Are the receptor survey results provided as required?			X
10	Has current use of the site and adjacent land been described?	X		
11	Has the site-specific geology and hydrogeology been described?			X
12	Has the primary soil type been described?			X
13	Have field screening results been described?			X
14	Has a description of the soil sample collection and preservation been detailed?			X
15	Has the field screening methodology and procedure been detailed?			X
16	Has the monitoring well installation and development dates been provided?			X
17	Has the method of well development been detailed?			X
18	Has justification been provided for the locations of the monitoring wells?			X
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?			X
20	Has the groundwater sampling methodology been detailed?	X		
21	Have the groundwater sampling dates and groundwater measurements been provided? (Table 2 & Figure 4)	X		
22	Has the purging methodology been detailed?	X		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete? (Appendix A)	X		
24	If free-product is present, has the thickness been provided?			X
25	Does the report include a brief discussion of the assessment done and the results?	X		
26	Does the report include a brief discussion of the aquifer evaluation and results?			X
27	Does the report include a brief discussion of the fate & transport models used?			X

<b>Item#</b>	<b>Item</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			X
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			X
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			X
31	Have recommendations for further action been provided and explained?			X
32	Has the soil analytical data for the site been provided in tabular format?			X
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	X		
34	Has the current and historical laboratory data been provided in tabular format? (Table 1)	X		
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			X
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			X
37	Has the topographic map been provided with all required elements? (Figure 1)	X		
38	Has the site base map been provided with all required elements? (Figure 2)	X		
39	Have the CoC site maps been provided? (Figures 3)	X		
40	Has the site potentiometric map been provided? (Figure 4)	X		
41	Have the geologic cross-sections been provided?			X
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			X
43	Has the site survey been provided and include all necessary elements?			X
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix A)	X		
45	Is the laboratory performing the analyses properly certified?	X		
46	Has the tax map been included with all necessary elements? (Appendix B)	X		
47	Have the soil boring/field screening logs been provided?			X
48	Have the well completion logs and SCDHEC Form 1903 been provided?			X
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided?			X
50	Have the disposal manifests been provided? (Appendix C)	X		
51	Has a copy of the local zoning regulations been provided?			X
52	Has all fate and transport modeling been provided?			X
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix D)	X		
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided? (Appendix E)	X		



**APPENDIX F:  
PHOTOS**



**04887-WSW01  
Sampling Location**





04887-WSW02





04887-WSW03





04887-WSW04





04887-WSW05



