ATLANTIC COAST CONSULTING, INC.

Our work helps produce a cleaner environment for all.

October 16, 2023

Mr. Samuel B. Buckles
Environmental Scientist Manager
Forsyth County Recycling & Solid Waste Department
426 Canton Highway
Cumming, Georgia 30040

RE: Eagle Point Landfill Quality Assurance Sampling – Second 2023 Event
Permit No.: 058-012D(MSWL)

Dear Mr. Buckles:

As described in the scope of work provided to Forsyth County, Atlantic Coast Consulting, Inc. (ACC) provided a qualified groundwater scientist to attend one day of the Eagle Point Landfill's second 2023 sampling event to observe sampling procedures for quality assurance (QA) and to collect QA split samples for Forsyth County comparison. The sampling event occurred the week of July 10, 2023. ACC's field representative, geologist Taylor Goble P.G., was present to observe sampling activities on July 10, 2023. He met with Environmental Monitoring Services, LLC (EMS), the subcontracted sampling team of GFL Environmental and observed the sampling performed at the site and obtained QA split samples. ACC's QA split sampling included a subset of wells and surface water/underdrain sample points consisting of three groundwater wells, GWC-6, GWC-9, and GWC-12R, one surface water location, SWC-9, and one underdrain location, SWC-5. There were two members of the EMS field sampling team, therefore Mr. Goble joined the EMS team member responsible for sampling the above locations. The field purging and/or water quality parameter data generated by EMS for each sampling point was recorded by ACC on ACC's field sampling logs, and copies of these logs are provided in Attachment A. Discussed below are the sampling protocols, laboratory results, and summary and recommendations.

SAMPLING PROTOCOL/TECHNIQUES

Below is a summary of the sampling protocol and techniques used by GFL Environmental's sampling representatives, as observed by ACC.

- A new pair of nitrile gloves was donned prior to beginning sampling at a well. When purging was complete, another new pair of nitrile gloves was donned prior to sampling.
- A low-flow method of well purging was performed for groundwater sample collection using peristaltic pumps. Groundwater parameters (pH, specific conductance, and

temperature) were allowed to stabilize prior to sampling. A turbidity reading equal to or less than 10 nephelometric turbidity units (NTU) was achieved prior to sampling.

- When filling laboratory sample vials for groundwater, a low pump rate was used to minimize volatilization. In addition, no bubbles or headspace were allowed in the volatile organic analysis sample vials. Vacuum transfer caps were not used with the peristaltic pumps.
- When filling laboratory sample vials for surface water, grab sampling techniques were used to fill the sample containers directly from the surface water or underdrain sample point. Care was taken not to lose the laboratory bottle preservatives.
- The samples were apportioned into two sets of containers with bottle filling alternating between primary sample bottles and the ACC QA split sample bottles.
- The sample containers were placed on ice in a laboratory provided cooler immediately after the sampling process was complete.
- ACC's QA split sample containers were submitted for analyses to Analytical Environmental Services, Inc. (AES) by ACC, and GFL Environmental's samples were submitted to Pace Analytical Services, LLC by EMS.

Groundwater purging followed low-flow techniques, and minimal drawdown was achieved at all three locations. All three wells were purged with a recorded flow rate between the Environmental Protection Agency (EPA) recommended 0.1 to 0.5 liters per minute (EPA[1], 1996). As summarized in **Table 1**, groundwater samples collected for metals analysis were all collected at turbidity readings of 10 or less NTU. Groundwater samples were collected with the final three readings that met the following criteria: pH readings within 0.1 standard units, specific conductance within 10 percent, and temperature within 1 degree centigrade (**Attachment A**). Surface water metals were collected at relatively low sample turbidities of 10 NTU at surface water point SWC-9 and 5 NTU at underdrain sample point SWC-5 (see **Tables 2** and **3**).

QUALITY ASSURANCE SAMPLE LABORATORY RESULTS

The QA split samples were submitted to AES of Atlanta, Georgia for analysis of parameters as summarized on **Table 4**. Groundwater samples were analyzed for applicable Appendix I or Appendix II constituents as listed in 40 Code of Federal Regulations Part 258, Subpart E, 56 Federal Register 51032-51039 (October 9, 1991), and Rules for Solid Waste Management Chapter 391-3-4-.14 (22), as amended. AES is a National Environmental Laboratory Accreditation Program (NELAP) certified laboratory. Chain of custody was maintained by ACC during QA split sample collection, handling, and shipping.

The laboratory analytical results, quality control data, and chain of custody records for the QA samples are included in **Attachment B** of this report. Surface water location SWC-9 was sampled and analyzed for Appendix I VOCs, chloride, and total dissolved solids (TDS). The

[1] U.S. Environmental Protection Agency, 1996 Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures by Robert W. Puls and Michael J. Barcelona, EPA/540/S-95/504, April 1996.

surface water sample results and field water quality readings are summarized in **Table 2**. As summarized in **Table 2**, there were detections of chloride and TDS in the surface water sample. Underdrain location SWC-5 was sampled and analyzed for Appendix I VOCs, chloride, and TDS as well. A summary of detections and field water quality readings for the underdrain sample are provided in **Table 3**. As summarized in **Table 3**, there were detections of chloride and total dissolved solids in the underdrain sample.

Groundwater monitoring wells GWC-6 and GWC-9 were sampled and analyzed for Appendix I parameters, while GWC-12R was sampled and analyzed for Appendix II VOCs and metals. A summary of the ACC groundwater QA split sample results is provided on **Table 5** and a summary of field water quality readings is provided on **Table 1**. The laboratory results indicate that there were detections of barium, cobalt, nickel and/or zinc in the groundwater samples, as well as a detection of benzene in the sample from GWC-12R. Detected concentrations were below U.S. EPA Maximum Contaminant Levels (MCLs), where applicable. There is no established EPA MCL for cobalt or zinc. For reference, the zinc on **Table 5** was compared to the National Secondary Drinking Water Standard.

Summary and Recommendations

Based on ACC's observations, the field sampling procedures utilized by EMS followed general industry standards for well purging and sample collection for groundwater, surface water, and underdrain samples. The analytical results provided by the QA laboratory, AES, met quality control standards and are provided for Forsyth County comparison to GFL Environmental data. If requested, ACC is available to review the facility's Design & Operational Groundwater Monitoring Plan, corrective action plans, assessment monitoring plans, or other sampling and analysis plans specific to GFL Environmental to determine if the observed sampling event is compliant with applicable permit requirements.

ACC recommends QA split laboratory analysis for approximately ten percent of the total samples (three groundwater, one underdrain, and one surface water) during the January 2024 sampling event.

Sincerely,

ATLANTIC COAST CONSULTING, INC.

Charles B. Adams, P.G.
Project Manager

Encl.

Atlantic Coast Consulting, Inc.

TABLES

Table 1
Summary of Final Water Quality Parameter Readings
Eagle Point Landfill Forsyth County, Georgia
July 2023 Sampling Event

Well ID	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTU)
GWC-6	5.40	84	21.1	4
GWC-9	4.73	850	20.3	5
GWC-12R	5.52	952	18.2	7

Notes: Groundwater samples collected July 10, 2023.

Acronyms: °C = Degrees Celsius
µS/cm = microSiemens/centimeter
NTU = Nephelometric Turbidity Units
S.U. = Standard Units

Table 2
Summary of Surface Water Detections & Field Parameters
Eagle Point Landfill Forsyth County, Georgia
July 2023 Sampling Event

Location	Chloride (mg/L)	TDS (mg/L)
SWC-9	1.69	23

Location	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
SWC-9	6.2	32	24.1	10	9.79

Notes: Surface water sampled July 10, 2023.

Acronyms: mg/L = milligrams per liter
S.U. = Standard Units
µS/cm = microSiemens/centimeter
°C = Degrees Celsius
NTU = Nephelometric Turbidity Units
TDS = Total Dissolved Solids

Table 3
Summary of Underdrain Detections & Field Parameters
Eagle Point Landfill Forsyth County, Georgia
July 2023 Sampling Event

Location	Chloride (mg/L)	TDS (mg/L)
SWC-5	7.16	95

Location	pH (S.U.)	Specific Conductance (µS/cm)	Temperature (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
SWC-5	6.20	234	23.7	5	4.16

Notes: Underdrain sampled July 10, 2023.

Acronyms: mg/L = milligrams per liter
°C = Degrees Celsius
S.U. = Standard Units
NTU = Nephelometric Turbidity Units
µS/cm = microSiemens/centimeter

Table 4
Summary of Laboratory Analysis and Sample Method
Eagle Point Landfill Forsyth County, Georgia
July 2023 Sampling Event

Well ID	Analysis	Sample Method
GWC-6	Appendix I	Peristaltic
GWC-9	Appendix I	Peristaltic
GWC-12R	Appendix II	Peristaltic

Location ID	Analysis	Sample Method
SWC-9	Appendix I VOCs, Chloride, and Total Dissolved Solids	Grab
SWC-5	Appendix I VOCs, Chloride, and Total Dissolved Solids	Grab

Notes: Samples collected July 10, 2023.
Appendix I/II = 40 Code of Federal Regulations 258

Acronyms: COD = Chemical Oxygen Demand
TOC = Total Organic Carbon

Table 5
Summary of Appendix I/II Detections in Groundwater
Eagle Point Landfill Forsyth County, Georgia
July 2023 Sampling Event

Well ID	Benzene (µg/L)	Barium (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	Zinc (mg/L)
GWC-6	--	0.0608	--	--	--
GWC-9	--	0.0963	0.0412	--	0.0213
GWC-12R	2.4	0.132	0.111	0.0266	0.0256
MCL	**5**	**2**	**NE**	**0.1***	**5****

Notes:

Samples collected July 10, 2023.
A dash (--) = below laboratory reporting limit.
* Georgia MCL Rule 391-3-5-.18.
** National Secondary Drinking Water Regulation

Acronyms:

MCL = Maximum Contaminant Level
mg/L = milligrams per liter
NE = not established

ATTACHMENTS

ATLANTIC COAST CONSULTING, INC.

ATTACHMENT A
Field Sampling Logs

Atlantic Coast Consulting, Inc.
Groundwater Sampling Log

Job Name: Eagle Point Landfill | Job No. — | Well No. GWC-6

Sampled By: Nick Walker | Sampling Date 7-10-23 | Sheet No. 1 of 1

Begin Purging 7-10-23 / 1006 (Date / Time) | Completed Purging ~~7-8-23~~ 7-10-23 / 1027 (Date / Time)

Water Level 26.04 Ft BTOC | Well Depth: 37.54 Ft BTOC | Well Dia. 2 In.

Standing Water Column (H) 11.5 Ft. | Casing Type PVC | Screen Length 10 Ft.

Standing Well Volume 1.84 Gal. | Purging Device Peri Pump

Purge Volume Removed 1.45 Gal. | Tubing Type Teflon

Time	Volume Purged (Gal)	Field Parameters						Remarks
		pH (s.u.)	Spec. Cond. (µS/cm)	DO (mg/L)	eH/ORP (mV)	Temp. (°C)	Turbidity (NTU)	
~~To 1002~~ 1015	0.47	5.39	84	1.04	117	21.3	4	WL 26.20'
1019	0.79	5.39	83	1.01	110	21.0	4	↓
1023	1.11	5.39	84	1.16	109	20.9	4	
1027	1.45	5.40	84	0.93	111	21.1	4	
~~1031~~	~~1.65~~							
Final Sample Parameters								
1027	1.45	5.40	84	0.93	111	21.1	4	

Sample Appearance Clear | Odor? None | Color None

Comments 0.0% CH_4

200ml/min

Notes: H = well depth (BOTC) – W.L.(BTOC)
Well volume standing in pipe:
2" diameter well: 0.16 x H = vol. (gal)
4" diameter well: 0.66 x H = vol. (gal)

Atlantic Coast Consulting, Inc.
Groundwater Sampling Log

Job Name: Eagle Point Landfill | Job No. — | Well No. GWC-9

Sampled By: Nick Walker | Sampling Date 7-10-23 | Sheet No. 1 of 1

Begin Purging 7-10-23 / 1055 (Date / Time) | Completed Purging 7-10-23 / (Date / Time)

Water Level 15.47 Ft BTOC | Well Depth: 24.35 Ft BTOC | Well Dia. 2 In.

Standing Water Column (H) 8.88 Ft. | Casing Type PVC | Screen Length 10 Ft.

Standing Well Volume 1.42 Gal. | Purging Device Peri Pump

Purge Volume Removed 1.27 Gal. | Tubing Type Teflon

Time	Volume Purged (Gal)	Field Parameters						Remarks
		pH (s.u.)	Spec. Cond. (µS/cm)	DO (mg/L)	eH/ORP (mV)	Temp. (°C)	Turbidity (NTU)	WL
1102	0.39	4.67	860	1.40	176	21.6	6	15.68
1106	0.61	4.70	853	1.08	170	21.0	5	↓
1110	0.83	4.71	852	0.93	168	21.4	6	
1114	1.05	4.72	852	0.87	167	20.6	4	
1118	1.27	4.73	850	0.77	165	20.3	5	
Final Sample Parameters								
1118	1.27	4.73	850	0.77	165	20.3	5	

Sample Appearance Clear | Odor? Slight odor | Color None

Comments 0.0% CH_4

210 ml/min

Notes: H = well depth (BOTC) – W.L.(BOTC)
Well volume standing in pipe:
2" diameter well: 0.16 x H = vol. (gal)
4" diameter well: 0.66 x H = vol. (gal)

Atlantic Coast Consulting, Inc.
Groundwater Sampling Log

Job Name: Eagle Point Landfill | Job No. — | Well No. GWL-12A

Sampled By: Nick Walker | Sampling Date 7-10-23 | Sheet No. 1 of 1

Begin Purging 7-10-23 / 1142 (Date / Time) | Completed Purging 7-10-23 / 1204 (Date / Time)

Water Level 9.75 Ft BTOC | Well Depth: 29.79 Ft BTOC | Well Dia. 2 In.

Standing Water Column (H) 20.04 Ft. | Casing Type PVC | Screen Length 10 Ft.

Standing Well Volume 3.21 Gal. | Purging Device Peri Pump

Purge Volume Removed 1.64 Gal. | Tubing Type Teflon

Time	Volume Purged (Gal)	Field Parameters						Remarks
		pH (s.u.)	Spec. Cond. (µS/cm)	DO (mg/L)	eH/ORP (mV)	Temp. (°C)	Turbidity (NTU)	
1148	0.44	5.42	962	1.21	167	18.3	8	WL 10.43
1152	0.74	5.49	961	0.99	162	18.7	9	↓
1156	1.09	5.51	960	0.85	160	18.8	40	
1200	1.34	5.51	959	0.74	158	18.9	31	
1204	1.64	5.52	952	0.75	159	18.2	TG 14 (1)	

Final Sample Parameters

1204	1.64	5.52	952	0.75	159	18.2	7	

Sample Appearance Clear | Odor? Yes | Color None

Comments 0.0% CH4

280 ml/min

Notes: H = well depth (BOTC) – W.L.(BTOC)
Well volume standing in pipe:
2" diameter well: 0.16 x H = vol. (gal)
4" diameter well: 0.66 x H = vol. (gal)

Atlantic Coast Consulting, Inc.
Groundwater Sampling Log

Job Name: Eagle Point Landfill

Job No. —

Well No. SW-5

Sampled By: Nick Walker

Sampling Date 7-10-23

Sheet No. 1 of 1

Begin Purging ____ / ____ (Date / Time)

Completed Purging ____ / ____ (Date / Time)

Water Level ____ Ft BTOC

Well Depth: ____ Ft BTOC

Well Dia. ____ In.

Standing Water Column (H) ____ Ft.

Casing Type PVC

Screen Length 10 Ft.

Standing Well Volume ____ Gal.

Purging Device ____

Purge Volume Removed ____ Gal.

Tubing Type Teflon

Time	Volume Purged (Gal)	Field Parameters						Remarks
		pH (s.u.)	Spec. Cond. (µS/cm)	DO (mg/L)	eH/ORP (mV)	Temp. (°C)	Turbidity (NTU)	
Final Sample Parameters								
1240	—	6.20	234	4.16	194	23.7	5	

Sample Appearance Clear Odor? Yes Color None

Comments ____

Notes: H = well depth (BOTC) – W.L.(BTOC)
Well volume standing in pipe:
2" diameter well: 0.16 x H = vol. (gal)
4" diameter well: 0.66 x H = vol. (gal)

Atlantic Coast Consulting, Inc.
Groundwater Sampling Log

Job Name: Eagle Point Landfill | Job No. — | Well No. SWC-9

Sampled By: Nick Walker | Sampling Date 7-10-23 | Sheet No. 1 of 1

Begin Purging ____/____ Date / Time | Completed Purging ____/____ Date / Time

Water Level ____ Ft BTOC | Well Depth: ____ Ft BTOC | Well Dia. ____ In.

Standing Water Column (H) ____ Ft. | Casing Type PVC | Screen Length 10 Ft.

Standing Well Volume ____ Gal. | Purging Device ____

Purge Volume Removed ____ Gal. | Tubing Type Teflon

Time	Volume Purged (Gal)	Field Parameters						Remarks
		pH (s.u.)	Spec. Cond. (µS/cm)	DO (mg/L)	eH/ORP (mV)	Temp. (°C)	Turbidity (NTU)	
Final Sample Parameters								
1320	—	6.20	32	9.79	15	24.1	10	

Sample Appearance Cloudy | Odor? None | Color Brown

Comments ____

Notes: H = well depth (BOTC) – W.L.(BTOC)
Well volume standing in pipe:
2" diameter well: 0.16 x H = vol. (gal)
4" diameter well: 0.66 x H = vol. (gal)

ATLANTIC COAST CONSULTING, INC.

ATTACHMENT B
Laboratory Report

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 18, 2023

Charles Adams
Atlantic Coast Consulting, Inc.

1150 Northmeadow Pkwy
Roswell GA 30076

RE: Forsyth County 2023 Mou Assistance

Dear Charles Adams: Order No: 2307711

Analytical Environmental Services, Inc. received 6 samples on July 10, 2023 3:36 pm for the analyses presented in following report.

"No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.
AES's accreditations are as follows:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/23-06/30/24. State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/24 and Total Coliforms/ E. coli, effective 04/25/23-04/24/24.
-AIHA LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Metals and PCM Asbestos), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/23.
These results relate only to the items tested as received. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Ioana Pacurar

Project Manager

3080 Presidential Drive • Atlanta, Georgia 30340 • Tel: 770.457.8177 • Fax: 770.457.8188 • Toll Free: 800.972.4889
www.aesatlanta.com

AES | ANALYTICAL ENVIRONMENTAL SERVICES, INC.

Analytical Environmental Services, Inc.
3080 Presidential Drive, Atlanta, GA 30340 Phone: (770) 457-8177

CHAIN OF CUSTODY

Work Order: 2307711
Page 1 of 1

COMPANY: Atlantic Coast Consulting, Inc	ADDRESS: 1150 Northmeadow Parkway Roswell, GA, 30075
PHONE: 770-594-5996	EMAIL: taylor.goble@atlcc.net
SAMPLED BY: Nick Walker / Taylor Goble	SIGNATURE: Taylor Goble

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	App I VOC	App I Metals	App II VOC	App II Metals	App II 601/602	Chloride	TDS							REMARKS	Number of Containers
							PRESERVATION (see codes)														
1	GWC-6	7-10-23	1027	✓		GW	✓	✓													3
2	GWC-9	7-10-23	1118	✓		GW	✓	✓													3
3	GWC-12R	7-10-23	1204	✓		GW			✓	✓	✓										5
4	SWC-5	7-10-23	1240	✓		SW	✓					✓	✓								5
5	SWC-9	7-10-23	1320	✓		SW	✓					✓	✓								5
6	Trip Blank	—	—			W			✓												2
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. Taylor Goble	7-10-23/1534	1. Anna Neal	7/10/23 15:30
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
(Client) FedEx UPS US mail courier
other: _____

PROJECT INFORMATION

PROJECT NAME: Forsyth County 2023 MOU Assistance
PROJECT #:
SITE ADDRESS: Eagle Point Land Fill
SEND REPORT TO: charles.adams@atlcc.net; betsy.mcdaniel@atlcc.net
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: _____ PO#: _____

RECEIPT

Total # of Containers: 23

Turnaround Time (TAT) Request in Business Days
- [x] Standard
- [ ] 4-Day Rush*
- [ ] 3-Day Rush*
- [ ] 2-Day Rush*
- [ ] Next Day Rush*
- [ ] Other _____
- [ ] Same-Day Rush*(auth req.)

*Surcharges apply for Rush TAT

REGULATORY PROGRAM (if any):

DATA PACKAGE: I ○ II ○ III ○ IV ○

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water ST=Stormwater WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)

Preservative Codes: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice NaOH = SH O = Other (specify) NA = None

3.18.21_COC

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 18-Jul-23

Client:	Atlantic Coast Consulting, Inc.	**Client Sample ID:**	GWC-6
Project Name	Forsyth County 2023 Mou Assistance	**Collection Date:**	7/10/2023 10:27:00 AM
Lab ID:	2307711-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				**(SW5030B)**				
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
1,1-Dichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
1,1-Dichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
1,2,3-Trichloropropane	BRL	10		ug/L	359525	1	07/11/2023 19:13	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	359525	1	07/11/2023 19:13	OM
1,2-Dibromoethane	BRL	1.0		ug/L	359525	1	07/11/2023 19:13	OM
1,2-Dichlorobenzene	BRL	10		ug/L	359525	1	07/11/2023 19:13	OM
1,2-Dichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
1,2-Dichloropropane	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
1,4-Dichlorobenzene	BRL	10		ug/L	359525	1	07/11/2023 19:13	OM
2-Butanone	BRL	100		ug/L	359525	1	07/11/2023 19:13	OM
2-Hexanone	BRL	50		ug/L	359525	1	07/11/2023 19:13	OM
4-Methyl-2-pentanone	BRL	50		ug/L	359525	1	07/11/2023 19:13	OM
Acetone	BRL	100		ug/L	359525	1	07/11/2023 19:13	OM
Acrylonitrile	BRL	50		ug/L	359525	1	07/11/2023 19:13	OM
Benzene	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
Bromochloromethane	BRL	10		ug/L	359525	1	07/11/2023 19:13	OM
Bromodichloromethane	BRL	10		ug/L	359525	1	07/11/2023 19:13	OM
Bromoform	BRL	10		ug/L	359525	1	07/11/2023 19:13	OM
Bromomethane	BRL	10		ug/L	359525	1	07/11/2023 19:13	OM
Carbon disulfide	BRL	5.0		ug/L	359525	1	07/11/2023 19:13	OM
Carbon tetrachloride	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
Chlorobenzene	BRL	10		ug/L	359525	1	07/11/2023 19:13	OM
Chloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
Chloroform	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
Chloromethane	BRL	10		ug/L	359525	1	07/11/2023 19:13	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
Dibromochloromethane	BRL	10		ug/L	359525	1	07/11/2023 19:13	OM
Dibromomethane	BRL	10		ug/L	359525	1	07/11/2023 19:13	OM
Ethylbenzene	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
Iodomethane	BRL	100		ug/L	359525	1	07/11/2023 19:13	OM
Methylene chloride	BRL	5.0		ug/L	359525	1	07/11/2023 19:13	OM
Styrene	BRL	10		ug/L	359525	1	07/11/2023 19:13	OM
Tetrachloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
Toluene	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	359525	1	07/11/2023 19:13	OM
Trichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
Trichlorofluoromethane	BRL	10		ug/L	359525	1	07/11/2023 19:13	OM
Vinyl acetate	BRL	100		ug/L	359525	1	07/11/2023 19:13	OM

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client:	Atlantic Coast Consulting, Inc.	**Client Sample ID:**	GWC-6
Project Name	Forsyth County 2023 Mou Assistance	**Collection Date:**	7/10/2023 10:27:00 AM
Lab ID:	2307711-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				**(SW5030B)**				
Vinyl chloride	BRL	2.0		ug/L	359525	1	07/11/2023 19:13	OM
Xylenes, Total	BRL	5.0		ug/L	359525	1	07/11/2023 19:13	OM
Surr: 4-Bromofluorobenzene	92.9	70-126		%REC	359525	1	07/11/2023 19:13	OM
Surr: Dibromofluoromethane	91.8	77-121		%REC	359525	1	07/11/2023 19:13	OM
Surr: Toluene-d8	105	78.6-119		%REC	359525	1	07/11/2023 19:13	OM
APPENDIX I METALS SW6020B				**(SW3005A)**				
Antimony	BRL	0.00600		mg/L	359505	1	07/12/2023 15:29	AD
Arsenic	BRL	0.0100		mg/L	359505	1	07/12/2023 15:29	AD
Barium	0.0608	0.0200		mg/L	359505	1	07/12/2023 15:29	AD
Beryllium	BRL	0.00300		mg/L	359505	1	07/12/2023 15:29	AD
Cadmium	BRL	0.00500		mg/L	359505	1	07/12/2023 15:29	AD
Chromium	BRL	0.0100		mg/L	359505	1	07/12/2023 15:29	AD
Cobalt	BRL	0.0400		mg/L	359505	1	07/12/2023 15:29	AD
Copper	BRL	0.0200		mg/L	359505	1	07/12/2023 15:29	AD
Lead	BRL	0.0150		mg/L	359505	1	07/12/2023 15:29	AD
Nickel	BRL	0.0200		mg/L	359505	1	07/12/2023 15:29	AD
Selenium	BRL	0.0100		mg/L	359505	1	07/12/2023 15:29	AD
Silver	BRL	0.0100		mg/L	359505	1	07/12/2023 15:29	AD
Thallium	BRL	0.00200		mg/L	359505	1	07/12/2023 15:29	AD
Vanadium	BRL	0.0200		mg/L	359505	1	07/12/2023 15:29	AD
Zinc	BRL	0.0200		mg/L	359505	1	07/12/2023 15:29	AD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Client:	Atlantic Coast Consulting, Inc.	**Client Sample ID:**	GWC-9
Project Name	Forsyth County 2023 Mou Assistance	**Collection Date:**	7/10/2023 11:18:00 AM
Lab ID:	2307711-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				**(SW5030B)**				
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
1,1-Dichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
1,1-Dichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
1,2,3-Trichloropropane	BRL	10		ug/L	359525	1	07/11/2023 19:36	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	359525	1	07/11/2023 19:36	OM
1,2-Dibromoethane	BRL	1.0		ug/L	359525	1	07/11/2023 19:36	OM
1,2-Dichlorobenzene	BRL	10		ug/L	359525	1	07/11/2023 19:36	OM
1,2-Dichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
1,2-Dichloropropane	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
1,4-Dichlorobenzene	BRL	10		ug/L	359525	1	07/11/2023 19:36	OM
2-Butanone	BRL	100		ug/L	359525	1	07/11/2023 19:36	OM
2-Hexanone	BRL	50		ug/L	359525	1	07/11/2023 19:36	OM
4-Methyl-2-pentanone	BRL	50		ug/L	359525	1	07/11/2023 19:36	OM
Acetone	BRL	100		ug/L	359525	1	07/11/2023 19:36	OM
Acrylonitrile	BRL	50		ug/L	359525	1	07/11/2023 19:36	OM
Benzene	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
Bromochloromethane	BRL	10		ug/L	359525	1	07/11/2023 19:36	OM
Bromodichloromethane	BRL	10		ug/L	359525	1	07/11/2023 19:36	OM
Bromoform	BRL	10		ug/L	359525	1	07/11/2023 19:36	OM
Bromomethane	BRL	10		ug/L	359525	1	07/11/2023 19:36	OM
Carbon disulfide	BRL	5.0		ug/L	359525	1	07/11/2023 19:36	OM
Carbon tetrachloride	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
Chlorobenzene	BRL	10		ug/L	359525	1	07/11/2023 19:36	OM
Chloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
Chloroform	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
Chloromethane	BRL	10		ug/L	359525	1	07/11/2023 19:36	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
Dibromochloromethane	BRL	10		ug/L	359525	1	07/11/2023 19:36	OM
Dibromomethane	BRL	10		ug/L	359525	1	07/11/2023 19:36	OM
Ethylbenzene	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
Iodomethane	BRL	100		ug/L	359525	1	07/11/2023 19:36	OM
Methylene chloride	BRL	5.0		ug/L	359525	1	07/11/2023 19:36	OM
Styrene	BRL	10		ug/L	359525	1	07/11/2023 19:36	OM
Tetrachloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
Toluene	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	359525	1	07/11/2023 19:36	OM
Trichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
Trichlorofluoromethane	BRL	10		ug/L	359525	1	07/11/2023 19:36	OM
Vinyl acetate	BRL	100		ug/L	359525	1	07/11/2023 19:36	OM

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Client:	Atlantic Coast Consulting, Inc.	**Client Sample ID:**	GWC-9
Project Name	Forsyth County 2023 Mou Assistance	**Collection Date:**	7/10/2023 11:18:00 AM
Lab ID:	2307711-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				**(SW5030B)**				
Vinyl chloride	BRL	2.0		ug/L	359525	1	07/11/2023 19:36	OM
Xylenes, Total	BRL	5.0		ug/L	359525	1	07/11/2023 19:36	OM
Surr: 4-Bromofluorobenzene	95	70-126		%REC	359525	1	07/11/2023 19:36	OM
Surr: Dibromofluoromethane	92.3	77-121		%REC	359525	1	07/11/2023 19:36	OM
Surr: Toluene-d8	103	78.6-119		%REC	359525	1	07/11/2023 19:36	OM
APPENDIX I METALS SW6020B				**(SW3005A)**				
Antimony	BRL	0.00600		mg/L	359505	1	07/12/2023 15:32	AD
Arsenic	BRL	0.0100		mg/L	359505	1	07/12/2023 15:32	AD
Barium	0.0963	0.0200		mg/L	359505	1	07/12/2023 15:32	AD
Beryllium	BRL	0.00300		mg/L	359505	1	07/12/2023 15:32	AD
Cadmium	BRL	0.00500		mg/L	359505	1	07/12/2023 15:32	AD
Chromium	BRL	0.0100		mg/L	359505	1	07/12/2023 15:32	AD
Cobalt	0.0412	0.0400		mg/L	359505	1	07/12/2023 15:32	AD
Copper	BRL	0.0200		mg/L	359505	1	07/12/2023 15:32	AD
Lead	BRL	0.0150		mg/L	359505	1	07/12/2023 15:32	AD
Nickel	BRL	0.0200		mg/L	359505	1	07/12/2023 15:32	AD
Selenium	BRL	0.0100		mg/L	359505	1	07/12/2023 15:32	AD
Silver	BRL	0.0100		mg/L	359505	1	07/12/2023 15:32	AD
Thallium	BRL	0.00200		mg/L	359505	1	07/12/2023 15:32	AD
Vanadium	BRL	0.0200		mg/L	359505	1	07/12/2023 15:32	AD
Zinc	0.0213	0.0200		mg/L	359505	1	07/12/2023 15:32	AD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Client:	Atlantic Coast Consulting, Inc.	**Client Sample ID:**	GWC-12R
Project Name	Forsyth County 2023 Mou Assistance	**Collection Date:**	7/10/2023 12:04:00 PM
Lab ID:	2307711-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	**SW8260D**			**(SW5030B)**				
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
1,1-Dichloroethane	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
1,1-Dichloroethene	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
1,1-Dichloropropene	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
1,2-Dichlorobenzene	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
1,2-Dichloroethane	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
1,2-Dichloropropane	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
1,3-Dichlorobenzene	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
1,3-Dichloropropane	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
1,4-Dichlorobenzene	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
2,2-Dichloropropane	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
2-Butanone	BRL	100		ug/L	359509	1	07/11/2023 14:26	AV
2-Hexanone	BRL	50		ug/L	359509	1	07/11/2023 14:26	AV
4-Methyl-2-pentanone	BRL	50		ug/L	359509	1	07/11/2023 14:26	AV
Acetone	BRL	100		ug/L	359509	1	07/11/2023 14:26	AV
Acetonitrile	BRL	200		ug/L	359509	1	07/11/2023 14:26	AV
Acrolein	BRL	50		ug/L	359509	1	07/11/2023 14:26	AV
Acrylonitrile	BRL	50		ug/L	359509	1	07/11/2023 14:26	AV
Allyl Chloride	BRL	100		ug/L	359509	1	07/11/2023 14:26	AV
Benzene	2.4	2.0		ug/L	359509	1	07/11/2023 14:26	AV
Bromochloromethane	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
Bromodichloromethane	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
Bromoform	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
Bromomethane	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
Carbon disulfide	BRL	5.0		ug/L	359509	1	07/11/2023 14:26	AV
Carbon tetrachloride	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
Chlorobenzene	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
Chloroethane	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
Chloroform	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
Chloromethane	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
Chloroprene	BRL	20		ug/L	359509	1	07/11/2023 14:26	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
Dibromochloromethane	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
Dibromomethane	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
Dichlorodifluoromethane	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
Ethyl Methacrylate	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
Ethylbenzene	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
Iodomethane	BRL	100		ug/L	359509	1	07/11/2023 14:26	AV
Isobutyl Alcohol	BRL	200		ug/L	359509	1	07/11/2023 14:26	AV

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client:	Atlantic Coast Consulting, Inc.	**Client Sample ID:**	GWC-12R
Project Name	Forsyth County 2023 Mou Assistance	**Collection Date:**	7/10/2023 12:04:00 PM
Lab ID:	2307711-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D				**(SW5030B)**				
Methyl Methacrylate	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
Methylacrylonitrile	BRL	200		ug/L	359509	1	07/11/2023 14:26	AV
Methylene chloride	BRL	5.0		ug/L	359509	1	07/11/2023 14:26	AV
Naphthalene	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
Propionitrile	BRL	100		ug/L	359509	1	07/11/2023 14:26	AV
Styrene	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
Tetrachloroethene	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
Toluene	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	359509	1	07/11/2023 14:26	AV
Trichloroethene	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
Trichlorofluoromethane	BRL	10		ug/L	359509	1	07/11/2023 14:26	AV
Vinyl acetate	BRL	100		ug/L	359509	1	07/11/2023 14:26	AV
Vinyl chloride	BRL	2.0		ug/L	359509	1	07/11/2023 14:26	AV
Xylenes, Total	BRL	5.0		ug/L	359509	1	07/11/2023 14:26	AV
Surr: 4-Bromofluorobenzene	92.9	70-126		%REC	359509	1	07/11/2023 14:26	AV
Surr: 4-Bromofluorobenzene	97.4	70-126		%REC	359509	1	07/11/2023 14:26	AV
Surr: Dibromofluoromethane	94.4	77-121		%REC	359509	1	07/11/2023 14:26	AV
Surr: Dibromofluoromethane	94.4	77-121		%REC	359509	1	07/11/2023 14:26	AV
Surr: Toluene-d8	94.6	78.6-119		%REC	359509	1	07/11/2023 14:26	AV
Surr: Toluene-d8	97.9	78.6-119		%REC	359509	1	07/11/2023 14:26	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromo-3-chloropropane	BRL	0.039		ug/L	359444	1	07/11/2023 19:24	TB
1,2-Dibromoethane	BRL	0.020		ug/L	359444	1	07/11/2023 19:24	TB
Surr: 4-Bromofluorobenzene	87.4	75.1-130		%REC	359444	1	07/11/2023 19:24	TB
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	359517	1	07/12/2023 17:33	GR
APPENDIX II METALS SW6020B				**(SW3005A)**				
Antimony	BRL	0.00600		mg/L	359505	1	07/12/2023 15:34	AD
Arsenic	BRL	0.0100		mg/L	359505	1	07/12/2023 15:34	AD
Barium	0.132	0.0200		mg/L	359505	1	07/12/2023 15:34	AD
Beryllium	BRL	0.00300		mg/L	359505	1	07/12/2023 15:34	AD
Cadmium	BRL	0.00500		mg/L	359505	1	07/12/2023 15:34	AD
Chromium	BRL	0.0100		mg/L	359505	1	07/12/2023 15:34	AD
Cobalt	0.111	0.0400		mg/L	359505	1	07/12/2023 15:34	AD
Copper	BRL	0.0200		mg/L	359505	1	07/12/2023 15:34	AD
Lead	BRL	0.0150		mg/L	359505	1	07/12/2023 15:34	AD
Nickel	0.0266	0.0200		mg/L	359505	1	07/12/2023 15:34	AD
Selenium	BRL	0.0100		mg/L	359505	1	07/12/2023 15:34	AD
Silver	BRL	0.0100		mg/L	359505	1	07/12/2023 15:34	AD
Thallium	BRL	0.00200		mg/L	359505	1	07/12/2023 15:34	AD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Client:	Atlantic Coast Consulting, Inc.	**Client Sample ID:**	GWC-12R
Project Name	Forsyth County 2023 Mou Assistance	**Collection Date:**	7/10/2023 12:04:00 PM
Lab ID:	2307711-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX II METALS SW6020B					**(SW3005A)**			
Tin	BRL	0.0400		mg/L	359505	1	07/13/2023 11:53	AD
Vanadium	BRL	0.0200		mg/L	359505	1	07/12/2023 15:34	AD
Zinc	0.0256	0.0200		mg/L	359505	1	07/12/2023 15:34	AD

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Client:	Atlantic Coast Consulting, Inc.	**Client Sample ID:**	SWC-5
Project Name	Forsyth County 2023 Mou Assistance	**Collection Date:**	7/10/2023 12:40:00 PM
Lab ID:	2307711-004	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Residue, Dissolved (TDS) by SM2540C-2015								
Residue, Dissolved (TDS)	95	10		mg/L	359413	1	07/11/2023 15:30	NN
Inorganic Anions by IC E300.0								
Chloride	7.16	1.00		mg/L	R521313	1	07/13/2023 23:10	JO
APPENDIX I VOLATILE ORGANICS SW8260D (SW5030B)								
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
1,1-Dichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
1,1-Dichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
1,2,3-Trichloropropane	BRL	10		ug/L	359525	1	07/11/2023 19:59	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	359525	1	07/11/2023 19:59	OM
1,2-Dibromoethane	BRL	1.0		ug/L	359525	1	07/11/2023 19:59	OM
1,2-Dichlorobenzene	BRL	10		ug/L	359525	1	07/11/2023 19:59	OM
1,2-Dichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
1,2-Dichloropropane	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
1,4-Dichlorobenzene	BRL	10		ug/L	359525	1	07/11/2023 19:59	OM
2-Butanone	BRL	100		ug/L	359525	1	07/11/2023 19:59	OM
2-Hexanone	BRL	50		ug/L	359525	1	07/11/2023 19:59	OM
4-Methyl-2-pentanone	BRL	50		ug/L	359525	1	07/11/2023 19:59	OM
Acetone	BRL	100		ug/L	359525	1	07/11/2023 19:59	OM
Acrylonitrile	BRL	50		ug/L	359525	1	07/11/2023 19:59	OM
Benzene	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
Bromochloromethane	BRL	10		ug/L	359525	1	07/11/2023 19:59	OM
Bromodichloromethane	BRL	10		ug/L	359525	1	07/11/2023 19:59	OM
Bromoform	BRL	10		ug/L	359525	1	07/11/2023 19:59	OM
Bromomethane	BRL	10		ug/L	359525	1	07/11/2023 19:59	OM
Carbon disulfide	BRL	5.0		ug/L	359525	1	07/11/2023 19:59	OM
Carbon tetrachloride	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
Chlorobenzene	BRL	10		ug/L	359525	1	07/11/2023 19:59	OM
Chloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
Chloroform	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
Chloromethane	BRL	10		ug/L	359525	1	07/11/2023 19:59	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
Dibromochloromethane	BRL	10		ug/L	359525	1	07/11/2023 19:59	OM
Dibromomethane	BRL	10		ug/L	359525	1	07/11/2023 19:59	OM
Ethylbenzene	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
Iodomethane	BRL	100		ug/L	359525	1	07/11/2023 19:59	OM
Methylene chloride	BRL	5.0		ug/L	359525	1	07/11/2023 19:59	OM
Styrene	BRL	10		ug/L	359525	1	07/11/2023 19:59	OM
Tetrachloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
Toluene	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Client:	Atlantic Coast Consulting, Inc.	**Client Sample ID:**	SWC-5
Project Name	Forsyth County 2023 Mou Assistance	**Collection Date:**	7/10/2023 12:40:00 PM
Lab ID:	2307711-004	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D (SW5030B)								
trans-1,2-Dichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	359525	1	07/11/2023 19:59	OM
Trichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
Trichlorofluoromethane	BRL	10		ug/L	359525	1	07/11/2023 19:59	OM
Vinyl acetate	BRL	100		ug/L	359525	1	07/11/2023 19:59	OM
Vinyl chloride	BRL	2.0		ug/L	359525	1	07/11/2023 19:59	OM
Xylenes, Total	BRL	5.0		ug/L	359525	1	07/11/2023 19:59	OM
Surr: 4-Bromofluorobenzene	95.9	70-126		%REC	359525	1	07/11/2023 19:59	OM
Surr: Dibromofluoromethane	94.9	77-121		%REC	359525	1	07/11/2023 19:59	OM
Surr: Toluene-d8	98.6	78.6-119		%REC	359525	1	07/11/2023 19:59	OM

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Client:	Atlantic Coast Consulting, Inc.	**Client Sample ID:**	SWC-9
Project Name	Forsyth County 2023 Mou Assistance	**Collection Date:**	7/10/2023 1:20:00 PM
Lab ID:	2307711-005	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Residue, Dissolved (TDS) by SM2540C-2015								
Residue, Dissolved (TDS)	23	10		mg/L	359413	1	07/11/2023 15:30	NN
Inorganic Anions by IC E300.0								
Chloride	1.69	1.00		mg/L	R521313	1	07/13/2023 23:00	JO
APPENDIX I VOLATILE ORGANICS SW8260D				**(SW5030B)**				
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
1,1-Dichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
1,1-Dichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
1,2,3-Trichloropropane	BRL	10		ug/L	359525	1	07/11/2023 20:22	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	359525	1	07/11/2023 20:22	OM
1,2-Dibromoethane	BRL	1.0		ug/L	359525	1	07/11/2023 20:22	OM
1,2-Dichlorobenzene	BRL	10		ug/L	359525	1	07/11/2023 20:22	OM
1,2-Dichloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
1,2-Dichloropropane	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
1,4-Dichlorobenzene	BRL	10		ug/L	359525	1	07/11/2023 20:22	OM
2-Butanone	BRL	100		ug/L	359525	1	07/11/2023 20:22	OM
2-Hexanone	BRL	50		ug/L	359525	1	07/11/2023 20:22	OM
4-Methyl-2-pentanone	BRL	50		ug/L	359525	1	07/11/2023 20:22	OM
Acetone	BRL	100		ug/L	359525	1	07/11/2023 20:22	OM
Acrylonitrile	BRL	50		ug/L	359525	1	07/11/2023 20:22	OM
Benzene	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
Bromochloromethane	BRL	10		ug/L	359525	1	07/11/2023 20:22	OM
Bromodichloromethane	BRL	10		ug/L	359525	1	07/11/2023 20:22	OM
Bromoform	BRL	10		ug/L	359525	1	07/11/2023 20:22	OM
Bromomethane	BRL	10		ug/L	359525	1	07/11/2023 20:22	OM
Carbon disulfide	BRL	5.0		ug/L	359525	1	07/11/2023 20:22	OM
Carbon tetrachloride	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
Chlorobenzene	BRL	10		ug/L	359525	1	07/11/2023 20:22	OM
Chloroethane	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
Chloroform	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
Chloromethane	BRL	10		ug/L	359525	1	07/11/2023 20:22	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
Dibromochloromethane	BRL	10		ug/L	359525	1	07/11/2023 20:22	OM
Dibromomethane	BRL	10		ug/L	359525	1	07/11/2023 20:22	OM
Ethylbenzene	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
Iodomethane	BRL	100		ug/L	359525	1	07/11/2023 20:22	OM
Methylene chloride	BRL	5.0		ug/L	359525	1	07/11/2023 20:22	OM
Styrene	BRL	10		ug/L	359525	1	07/11/2023 20:22	OM
Tetrachloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
Toluene	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value
- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client:	Atlantic Coast Consulting, Inc.	**Client Sample ID:**	SWC-9
Project Name	Forsyth County 2023 Mou Assistance	**Collection Date:**	7/10/2023 1:20:00 PM
Lab ID:	2307711-005	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D				**(SW5030B)**				
trans-1,2-Dichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	359525	1	07/11/2023 20:22	OM
Trichloroethene	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
Trichlorofluoromethane	BRL	10		ug/L	359525	1	07/11/2023 20:22	OM
Vinyl acetate	BRL	100		ug/L	359525	1	07/11/2023 20:22	OM
Vinyl chloride	BRL	2.0		ug/L	359525	1	07/11/2023 20:22	OM
Xylenes, Total	BRL	5.0		ug/L	359525	1	07/11/2023 20:22	OM
Surr: 4-Bromofluorobenzene	100	70-126		%REC	359525	1	07/11/2023 20:22	OM
Surr: Dibromofluoromethane	107	77-121		%REC	359525	1	07/11/2023 20:22	OM
Surr: Toluene-d8	104	78.6-119		%REC	359525	1	07/11/2023 20:22	OM

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Client:	Atlantic Coast Consulting, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name	Forsyth County 2023 Mou Assistance	**Collection Date:**	7/10/2023
Lab ID:	2307711-006	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS	**SW8260D**			**(SW5030B)**				
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
1,1,1-Trichloroethane	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
1,1,2-Trichloroethane	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
1,1-Dichloroethane	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
1,1-Dichloroethene	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
1,1-Dichloropropene	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
1,2,3-Trichloropropane	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
1,2,4-Trichlorobenzene	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
1,2-Dichlorobenzene	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
1,2-Dichloroethane	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
1,2-Dichloropropane	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
1,3-Dichlorobenzene	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
1,3-Dichloropropane	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
1,4-Dichlorobenzene	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
2,2-Dichloropropane	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
2-Butanone	BRL	100		ug/L	359509	1	07/11/2023 14:02	AV
2-Hexanone	BRL	50		ug/L	359509	1	07/11/2023 14:02	AV
4-Methyl-2-pentanone	BRL	50		ug/L	359509	1	07/11/2023 14:02	AV
Acetone	BRL	100		ug/L	359509	1	07/11/2023 14:02	AV
Acetonitrile	BRL	200		ug/L	359509	1	07/11/2023 14:02	AV
Acrolein	BRL	50		ug/L	359509	1	07/11/2023 14:02	AV
Acrylonitrile	BRL	50		ug/L	359509	1	07/11/2023 14:02	AV
Allyl Chloride	BRL	100		ug/L	359509	1	07/11/2023 14:02	AV
Benzene	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
Bromochloromethane	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
Bromodichloromethane	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
Bromoform	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
Bromomethane	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
Carbon disulfide	BRL	5.0		ug/L	359509	1	07/11/2023 14:02	AV
Carbon tetrachloride	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
Chlorobenzene	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
Chloroethane	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
Chloroform	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
Chloromethane	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
Chloroprene	BRL	20		ug/L	359509	1	07/11/2023 14:02	AV
cis-1,2-Dichloroethene	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
cis-1,3-Dichloropropene	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
Dibromochloromethane	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
Dibromomethane	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
Dichlorodifluoromethane	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
Ethyl Methacrylate	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
Ethylbenzene	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
Iodomethane	BRL	100		ug/L	359509	1	07/11/2023 14:02	AV
Isobutyl Alcohol	BRL	200		ug/L	359509	1	07/11/2023 14:02	AV

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Client:	Atlantic Coast Consulting, Inc.	**Client Sample ID:**	TRIP BLANK
Project Name	Forsyth County 2023 Mou Assistance	**Collection Date:**	7/10/2023
Lab ID:	2307711-006	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds by GC/MS SW8260D (SW5030B)								
Methyl Methacrylate	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
Methylacrylonitrile	BRL	200		ug/L	359509	1	07/11/2023 14:02	AV
Methylene chloride	BRL	5.0		ug/L	359509	1	07/11/2023 14:02	AV
Naphthalene	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
Propionitrile	BRL	100		ug/L	359509	1	07/11/2023 14:02	AV
Styrene	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
Tetrachloroethene	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
Toluene	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
trans-1,2-Dichloroethene	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
trans-1,3-Dichloropropene	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	359509	1	07/11/2023 14:02	AV
Trichloroethene	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
Trichlorofluoromethane	BRL	10		ug/L	359509	1	07/11/2023 14:02	AV
Vinyl acetate	BRL	100		ug/L	359509	1	07/11/2023 14:02	AV
Vinyl chloride	BRL	2.0		ug/L	359509	1	07/11/2023 14:02	AV
Xylenes, Total	BRL	5.0		ug/L	359509	1	07/11/2023 14:02	AV
Surr: 4-Bromofluorobenzene	92.1	70-126		%REC	359509	1	07/11/2023 14:02	AV
Surr: 4-Bromofluorobenzene	96.8	70-126		%REC	359509	1	07/11/2023 14:02	AV
Surr: Dibromofluoromethane	91.4	77-121		%REC	359509	1	07/11/2023 14:02	AV
Surr: Dibromofluoromethane	91.6	77-121		%REC	359509	1	07/11/2023 14:02	AV
Surr: Toluene-d8	96.7	78.6-119		%REC	359509	1	07/11/2023 14:02	AV
Surr: Toluene-d8	99.8	78.6-119		%REC	359509	1	07/11/2023 14:02	AV

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Clear Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC. AES

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Atlantic Coast Consulting, Inc.** AES Work Order Number: **2307711**

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

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

13. Cooler 1 Temperature 1.1 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments:

I certify that I have completed sections 1-15 (dated initials). CP 7/10/23

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	●	○	○		
17.	Custody seals present on sample containers?	○	●	○		
18.	Custody seals intact on sample containers?	○	○	●		
19.	Do sample container labels match the COC?	●	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	●	○	○		
21.	Were all of the samples listed on the COC received?	●	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	●	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	●	○	○		
24.	Were samples received in appropriate containers?	●	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	●	○	○		
26.	Were trip blanks submitted?	●	○	○	listed on COC ■ not listed on COC ☐	

27. Comments:

I certify that I have completed sections 16-27 (dated initials). NP 7/10/23

This section only applies to samples where pH can be checked at Sample Receipt.

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

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH. This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.

I certify that I have completed sections 28-30 (dated initials). NP 7/10/23

Locked

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359413

Sample ID: **MB-359413**	Client ID:		Units: **mg/L**	Prep Date: **07/11/2023**	Run No: **521113**
SampleType: **MBLK**	TestCode: **Residue, Dissolved (TDS) by SM2540C-2015**		BatchID: **359413**	Analysis Date: **07/11/2023**	Seq No: **12321010**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Residue, Dissolved (TDS)	BRL	10									

Sample ID: **LCS-359413**	Client ID:		Units: **mg/L**	Prep Date: **07/11/2023**	Run No: **521113**
SampleType: **LCS**	TestCode: **Residue, Dissolved (TDS) by SM2540C-2015**		BatchID: **359413**	Analysis Date: **07/11/2023**	Seq No: **12321011**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Residue, Dissolved (TDS)	2980	40	3000		99.3	78.33	117.67				

Sample ID: **2307367-001CDUP**	Client ID:		Units: **mg/L**	Prep Date: **07/11/2023**	Run No: **521113**
SampleType: **DUP**	TestCode: **Residue, Dissolved (TDS) by SM2540C-2015**		BatchID: **359413**	Analysis Date: **07/11/2023**	Seq No: **12321013**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Residue, Dissolved (TDS)	1592	20						0	0	10	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359444

Sample ID: **MB-359444** Client ID: Units: **ug/L** Prep Date: **07/11/2023** Run No: **521059**
SampleType: **MBLK** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **359444** Analysis Date: **07/11/2023** Seq No: **12316835**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromo-3-chloropropane	BRL	0.040									
1,2-Dibromoethane	BRL	0.020									
Surr: 4-Bromofluorobenzene	4.746	0	5.000		94.9	75.1	130				

Sample ID: **LCS-359444** Client ID: Units: **ug/L** Prep Date: **07/11/2023** Run No: **521059**
SampleType: **LCS** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **359444** Analysis Date: **07/11/2023** Seq No: **12316837**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromo-3-chloropropane	0.1220	0.040	0.1000		122	60	140				
1,2-Dibromoethane	0.1070	0.020	0.1000		107	60	140				
Surr: 4-Bromofluorobenzene	4.046	0	5.000		80.9	75.1	130				

Sample ID: **LCSD-359444** Client ID: Units: **ug/L** Prep Date: **07/11/2023** Run No: **521059**
SampleType: **LCSD** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **359444** Analysis Date: **07/11/2023** Seq No: **12316839**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromo-3-chloropropane	0.1240	0.040	0.1000		124	60	140	0.1220	1.63	20	
1,2-Dibromoethane	0.1080	0.020	0.1000		108	60	140	0.1070	0.930	20	
Surr: 4-Bromofluorobenzene	4.819	0	5.000		96.4	75.1	130	4.046	0	0	

Sample ID: **2307566-010AMS** Client ID: Units: **ug/L** Prep Date: **07/11/2023** Run No: **521059**
SampleType: **MS** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **359444** Analysis Date: **07/11/2023** Seq No: **12316849**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromo-3-chloropropane	0.1203	0.040	0.1003		120	69.4	135				
1,2-Dibromoethane	0.1113	0.020	0.1003		111	70.5	133				
Surr: 4-Bromofluorobenzene	4.881	0	5.014		97.3	75.1	130				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359444

Sample ID: **2307605-043DDUP** Client ID:
SampleType: **DUP** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011**
Units: **ug/L** BatchID: **359444**
Prep Date: **07/11/2023** Analysis Date: **07/11/2023**
Run No: **521059** Seq No: **12316862**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromo-3-chloropropane	BRL	0.040						0	0	0	
1,2-Dibromoethane	BRL	0.020						0	0	37.8	
Surr: 4-Bromofluorobenzene	5.546	0	4.955		112	75.1	130	5.038	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359505

Sample ID: **MB-359505** Client ID: Units: **mg/L** Prep Date: **07/12/2023** Run No: **521147**
SampleType: **MBLK** TestCode: **APPENDIX I METALS** **SW6020B** BatchID: **359505** Analysis Date: **07/12/2023** Seq No: **12319729**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	BRL	0.00600									
Arsenic	BRL	0.0100									
Barium	BRL	0.0200									
Beryllium	BRL	0.00400									
Cadmium	BRL	0.00500									
Chromium	BRL	0.0200									
Cobalt	BRL	0.0500									
Copper	BRL	0.0200									
Lead	BRL	0.0100									
Nickel	BRL	0.0400									
Selenium	BRL	0.0500									
Silver	BRL	0.00500									
Thallium	BRL	0.00200									
Vanadium	BRL	0.0500									
Zinc	BRL	0.0200									

Sample ID: **MB-359505** Client ID: Units: **mg/L** Prep Date: **07/12/2023** Run No: **521148**
SampleType: **MBLK** TestCode: **APPENDIX II METALS** **SW6020B** BatchID: **359505** Analysis Date: **07/12/2023** Seq No: **12319762**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	BRL	0.00600									
Arsenic	BRL	0.0100									
Barium	BRL	0.0200									
Beryllium	BRL	0.00400									
Cadmium	BRL	0.00500									
Chromium	BRL	0.0200									
Cobalt	BRL	0.0500									
Copper	BRL	0.0200									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359505

Sample ID: **MB-359505** Client ID: Units: **mg/L** Prep Date: **07/12/2023** Run No: **521148**
SampleType: **MBLK** TestCode: **APPENDIX II METALS** **SW6020B** BatchID: **359505** Analysis Date: **07/12/2023** Seq No: **12319762**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	BRL	0.0100									
Nickel	BRL	0.0400									
Selenium	BRL	0.0500									
Silver	BRL	0.00500									
Thallium	BRL	0.00200									
Tin	BRL	0.0400									
Vanadium	BRL	0.0500									
Zinc	BRL	0.0200									

Sample ID: **LCS-359505** Client ID: Units: **mg/L** Prep Date: **07/12/2023** Run No: **521147**
SampleType: **LCS** TestCode: **APPENDIX I METALS** **SW6020B** BatchID: **359505** Analysis Date: **07/12/2023** Seq No: **12319730**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	0.08891	0.00600	0.1000		88.9	80	120				
Arsenic	0.08594	0.0100	0.1000		85.9	80	120				
Barium	0.09028	0.0200	0.1000		90.3	80	120				
Beryllium	0.1067	0.00400	0.1000		107	80	120				
Cadmium	0.09984	0.00500	0.1000		99.8	80	120				
Chromium	0.09433	0.0200	0.1000		94.3	80	120				
Cobalt	0.08689	0.0500	0.1000		86.9	80	120				
Copper	0.08850	0.0200	0.1000		88.5	80	120				
Lead	0.09625	0.0100	0.1000		96.2	80	120				
Nickel	0.08799	0.0400	0.1000		88.0	80	120				
Selenium	0.09888	0.0500	0.1000		98.9	80	120				
Silver	0.009669	0.00500	0.0100		96.7	80	120				
Thallium	0.09785	0.00200	0.1000		97.8	80	120				
Vanadium	0.09325	0.0500	0.1000		93.3	80	120				
Zinc	0.08823	0.0200	0.1000		88.2	80	120				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359505

Sample ID: **LCS-359505** Client ID: Units: **mg/L** Prep Date: **07/12/2023** Run No: **521148**
SampleType: **LCS** TestCode: **APPENDIX II METALS** **SW6020B** BatchID: **359505** Analysis Date: **07/12/2023** Seq No: **12319763**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	0.08891	0.00600	0.1000		88.9	80	120				
Arsenic	0.08594	0.0100	0.1000		85.9	80	120				
Barium	0.09028	0.0200	0.1000		90.3	80	120				
Beryllium	0.1067	0.00400	0.1000		107	80	120				
Cadmium	0.09984	0.00500	0.1000		99.8	80	120				
Chromium	0.09433	0.0200	0.1000		94.3	80	120				
Cobalt	0.08689	0.0500	0.1000		86.9	80	120				
Copper	0.08850	0.0200	0.1000		88.5	80	120				
Lead	0.09625	0.0100	0.1000		96.2	80	120				
Nickel	0.08799	0.0400	0.1000		88.0	80	120				
Selenium	0.09888	0.0500	0.1000		98.9	80	120				
Silver	0.009669	0.00500	0.0100		96.7	80	120				
Thallium	0.09785	0.00200	0.1000		97.8	80	120				
Tin	0.08884	0.0400	0.1000		88.8	80	120				
Vanadium	0.09325	0.0500	0.1000		93.3	80	120				
Zinc	0.08823	0.0200	0.1000		88.2	80	120				

Sample ID: **2307605-043BMS** Client ID: Units: **mg/L** Prep Date: **07/12/2023** Run No: **521147**
SampleType: **MS** TestCode: **APPENDIX I METALS** **SW6020B** BatchID: **359505** Analysis Date: **07/12/2023** Seq No: **12319732**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	0.08737	0.00600	0.1000		87.4	75	125				
Arsenic	0.08631	0.0100	0.1000		86.3	75	125				
Barium	0.09613	0.0200	0.1000	0.006868	89.3	75	125				
Beryllium	0.1029	0.00400	0.1000		103	75	125				
Cadmium	0.09872	0.00500	0.1000		98.7	75	125				
Chromium	0.09370	0.0200	0.1000	0.001284	92.4	75	125				
Cobalt	0.08628	0.0500	0.1000		86.3	75	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359505

Sample ID: **2307605-043BMS** Client ID: Units: **mg/L** Prep Date: **07/12/2023** Run No: **521147**
SampleType: **MS** TestCode: **APPENDIX I METALS** **SW6020B** BatchID: **359505** Analysis Date: **07/12/2023** Seq No: **12319732**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Copper	0.08883	0.0200	0.1000		88.8	75	125				
Lead	0.09509	0.0100	0.1000		95.1	75	125				
Nickel	0.08717	0.0400	0.1000	0.002276	84.9	75	125				
Selenium	0.09616	0.0500	0.1000		96.2	75	125				
Silver	0.009331	0.00500	0.0100		93.3	75	125				
Thallium	0.09398	0.00200	0.1000		94.0	75	125				
Vanadium	0.09272	0.0500	0.1000		92.7	75	125				
Zinc	0.08904	0.0200	0.1000		89.0	75	125				

Sample ID: **2307605-043BMS** Client ID: Units: **mg/L** Prep Date: **07/12/2023** Run No: **521148**
SampleType: **MS** TestCode: **APPENDIX II METALS** **SW6020B** BatchID: **359505** Analysis Date: **07/12/2023** Seq No: **12319765**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	0.08737	0.00600	0.1000		87.4	75	125				
Arsenic	0.08631	0.0100	0.1000		86.3	75	125				
Barium	0.09613	0.0200	0.1000	0.006868	89.3	75	125				
Beryllium	0.1029	0.00400	0.1000		103	75	125				
Cadmium	0.09872	0.00500	0.1000		98.7	75	125				
Chromium	0.09370	0.0200	0.1000	0.001284	92.4	75	125				
Cobalt	0.08628	0.0500	0.1000		86.3	75	125				
Copper	0.08883	0.0200	0.1000		88.8	75	125				
Lead	0.09509	0.0100	0.1000		95.1	75	125				
Nickel	0.08717	0.0400	0.1000	0.002276	84.9	75	125				
Selenium	0.09616	0.0500	0.1000		96.2	75	125				
Silver	0.009331	0.00500	0.0100		93.3	75	125				
Thallium	0.09398	0.00200	0.1000		94.0	75	125				
Tin	0.08883	0.0400	0.1000		88.8	75	125				
Vanadium	0.09272	0.0500	0.1000		92.7	75	125				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359505

Sample ID: **2307605-043BMS** Client ID: Units: **mg/L** Prep Date: **07/12/2023** Run No: **521148**
SampleType: **MS** TestCode: **APPENDIX II METALS** **SW6020B** BatchID: **359505** Analysis Date: **07/12/2023** Seq No: **12319765**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Zinc	0.08904	0.0200	0.1000		89.0	75	125				

Sample ID: **2307605-043BMSD** Client ID: Units: **mg/L** Prep Date: **07/12/2023** Run No: **521147**
SampleType: **MSD** TestCode: **APPENDIX I METALS** **SW6020B** BatchID: **359505** Analysis Date: **07/12/2023** Seq No: **12319733**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	0.08746	0.00600	0.1000		87.5	75	125	0.08737	0.094	20	
Arsenic	0.08619	0.0100	0.1000		86.2	75	125	0.08631	0.139	20	
Barium	0.09599	0.0200	0.1000	0.006868	89.1	75	125	0.09613	0.141	20	
Beryllium	0.1027	0.00400	0.1000		103	75	125	0.1029	0.271	20	
Cadmium	0.09908	0.00500	0.1000		99.1	75	125	0.09872	0.366	20	
Chromium	0.09327	0.0200	0.1000	0.001284	92.0	75	125	0.09370	0.464	20	
Cobalt	0.08699	0.0500	0.1000		87.0	75	125	0.08628	0.814	20	
Copper	0.08873	0.0200	0.1000		88.7	75	125	0.08883	0.115	20	
Lead	0.09491	0.0100	0.1000		94.9	75	125	0.09509	0.190	20	
Nickel	0.08737	0.0400	0.1000	0.002276	85.1	75	125	0.08717	0.234	20	
Selenium	0.09534	0.0500	0.1000		95.3	75	125	0.09616	0.856	20	
Silver	0.009204	0.00500	0.0100		92.0	75	125	0.009331	1.37	20	
Thallium	0.09369	0.00200	0.1000		93.7	75	125	0.09398	0.309	20	
Vanadium	0.09353	0.0500	0.1000		93.5	75	125	0.09272	0.877	20	
Zinc	0.08671	0.0200	0.1000		86.7	75	125	0.08904	2.64	20	

Sample ID: **2307605-043BMSD** Client ID: Units: **mg/L** Prep Date: **07/12/2023** Run No: **521148**
SampleType: **MSD** TestCode: **APPENDIX II METALS** **SW6020B** BatchID: **359505** Analysis Date: **07/12/2023** Seq No: **12319766**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Antimony	0.08746	0.00600	0.1000		87.5	75	125	0.08737	0.094	20	
Arsenic	0.08619	0.0100	0.1000		86.2	75	125	0.08631	0.139	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359505

Sample ID: **2307605-043BMSD** Client ID:
SampleType: **MSD** TestCode: **APPENDIX II METALS** **SW6020B**
Units: **mg/L** Prep Date: **07/12/2023** Run No: **521148**
BatchID: **359505** Analysis Date: **07/12/2023** Seq No: **12319766**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Barium	0.09599	0.0200	0.1000	0.006868	89.1	75	125	0.09613	0.141	20	
Beryllium	0.1027	0.00400	0.1000		103	75	125	0.1029	0.271	20	
Cadmium	0.09908	0.00500	0.1000		99.1	75	125	0.09872	0.366	20	
Chromium	0.09327	0.0200	0.1000	0.001284	92.0	75	125	0.09370	0.464	20	
Cobalt	0.08699	0.0500	0.1000		87.0	75	125	0.08628	0.814	20	
Copper	0.08873	0.0200	0.1000		88.7	75	125	0.08883	0.115	20	
Lead	0.09491	0.0100	0.1000		94.9	75	125	0.09509	0.190	20	
Nickel	0.08737	0.0400	0.1000	0.002276	85.1	75	125	0.08717	0.234	20	
Selenium	0.09534	0.0500	0.1000		95.3	75	125	0.09616	0.856	20	
Silver	0.009204	0.00500	0.0100		92.0	75	125	0.009331	1.37	20	
Thallium	0.09369	0.00200	0.1000		93.7	75	125	0.09398	0.309	20	
Tin	0.08880	0.0400	0.1000		88.8	75	125	0.08883	0.028	20	
Vanadium	0.09353	0.0500	0.1000		93.5	75	125	0.09272	0.877	20	
Zinc	0.08671	0.0200	0.1000		86.7	75	125	0.08904	2.64	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359509

Sample ID: **MB-359509** Client ID: Units: **ug/L** Prep Date: **07/11/2023** Run No: **521037**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **359509** Analysis Date: **07/11/2023** Seq No: **12315856**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	BRL	1.0									
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,1-Dichloropropene	BRL	1.0									
1,2,3-Trichloropropane	BRL	1.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloropropane	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,3-Dichloropropane	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
2,2-Dichloropropane	BRL	2.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Acrolein	BRL	20									
Acrylonitrile	BRL	5.0									
Benzene	BRL	1.0									
Bromochloromethane	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359509

Sample ID: **MB-359509** Client ID: Units: **ug/L** Prep Date: **07/11/2023** Run No: **521037**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **359509** Analysis Date: **07/11/2023** Seq No: **12315856**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									
cis-1,2-Dichloroethene	BRL	1.0									
cis-1,3-Dichloropropene	BRL	1.0									
Dibromochloromethane	BRL	1.0									
Dibromomethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Iodomethane	BRL	2.0									
Methylene chloride	BRL	5.0									
Naphthalene	BRL	5.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
trans-1,3-Dichloropropene	BRL	2.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	1.0									
Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	46.56	0	50.00		93.1	70	126				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359509

Sample ID: **MB-359509** Client ID: Units: **ug/L** Prep Date: **07/11/2023** Run No: **521037**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **359509** Analysis Date: **07/11/2023** Seq No: **12315856**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: Dibromofluoromethane	47.30	0	50.00		94.6	77	121				
Surr: Toluene-d8	47.74	0	50.00		95.5	78.6	119				

Sample ID: **LCS-359509** Client ID: Units: **ug/L** Prep Date: **07/11/2023** Run No: **521037**
SampleType: **LCS** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **359509** Analysis Date: **07/11/2023** Seq No: **12315866**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	18.87	2.0	20.00		94.4	71	130				
Benzene	18.37	1.0	20.00		91.8	78.8	120				
Chlorobenzene	21.12	1.0	20.00		106	80	118				
Toluene	20.12	1.0	20.00		101	76.6	125				
Trichloroethene	21.68	1.0	20.00		108	75.3	127				
Surr: 4-Bromofluorobenzene	46.84	0	50.00		93.7	70	126				
Surr: Dibromofluoromethane	47.47	0	50.00		94.9	77	121				
Surr: Toluene-d8	48.05	0	50.00		96.1	78.6	119				

Sample ID: **2307425-001AMS** Client ID: Units: **ug/L** Prep Date: **07/11/2023** Run No: **521037**
SampleType: **MS** TestCode: **Volatile Organic Compounds by GC/MS SW8260D** BatchID: **359509** Analysis Date: **07/11/2023** Seq No: **12316071**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	178.0	20	200.0		89.0	69	142				
Benzene	185.3	10	200.0		92.6	71.4	135				
Chlorobenzene	206.8	10	200.0		103	77.7	129				
Toluene	200.5	10	200.0		100	70.3	136				
Trichloroethene	215.2	10	200.0		108	77	134				
Surr: 4-Bromofluorobenzene	466.7	0	500.0		93.3	70	126				
Surr: Dibromofluoromethane	473.5	0	500.0		94.7	77	121				
Surr: Toluene-d8	476.9	0	500.0		95.4	78.6	119				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359509

Sample ID: **2307425-001AMSD** Client ID:
SampleType: **MSD** TestCode: **Volatile Organic Compounds by GC/MS SW8260D**
Units: **ug/L** Prep Date: **07/11/2023** Run No: **521037**
BatchID: **359509** Analysis Date: **07/11/2023** Seq No: **12316072**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	173.7	20	200.0		86.8	69	142	178.0	2.45	39.2	
Benzene	178.0	10	200.0		89.0	71.4	135	185.3	4.02	31.6	
Chlorobenzene	201.6	10	200.0		101	77.7	129	206.8	2.55	34.3	
Toluene	194.2	10	200.0		97.1	70.3	136	200.5	3.19	32	
Trichloroethene	209.6	10	200.0		105	77	134	215.2	2.64	35.3	
Surr: 4-Bromofluorobenzene	465.5	0	500.0		93.1	70	126	466.7	0	0	
Surr: Dibromofluoromethane	470.6	0	500.0		94.1	77	121	473.5	0	0	
Surr: Toluene-d8	477.3	0	500.0		95.5	78.6	119	476.9	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359517

Sample ID: **MB-359517**	Client ID:				Units: **mg/L**		Prep Date: **07/12/2023**		Run No: **521078**
SampleType: **MBLK**	TestCode: **Mercury, Total SW7470A**				BatchID: **359517**		Analysis Date: **07/12/2023**		Seq No: **12318511**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-359517**	Client ID:				Units: **mg/L**		Prep Date: **07/12/2023**		Run No: **521078**
SampleType: **LCS**	TestCode: **Mercury, Total SW7470A**				BatchID: **359517**		Analysis Date: **07/12/2023**		Seq No: **12318512**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004173	0.00020	0.0040		104	80	120				

Sample ID: **2307607-003AMS**	Client ID:				Units: **mg/L**		Prep Date: **07/12/2023**		Run No: **521078**
SampleType: **MS**	TestCode: **Mercury, Total SW7470A**				BatchID: **359517**		Analysis Date: **07/12/2023**		Seq No: **12318563**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004141	0.00020	0.0040		104	75	125				

Sample ID: **2307607-003AMSD**	Client ID:				Units: **mg/L**		Prep Date: **07/12/2023**		Run No: **521078**
SampleType: **MSD**	TestCode: **Mercury, Total SW7470A**				BatchID: **359517**		Analysis Date: **07/12/2023**		Seq No: **12318564**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004142	0.00020	0.0040		104	75	125	0.004141	0.024	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359525

Sample ID: **MB-359525** Client ID: Units: **ug/L** Prep Date: **07/11/2023** Run No: **521054**
SampleType: **MBLK** TestCode: **APPENDIX I VOLATILE ORGANICS SW8260D** BatchID: **359525** Analysis Date: **07/11/2023** Seq No: **12316510**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	BRL	5.0									
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,3-Trichloropropane	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Acrylonitrile	BRL	5.0									
Benzene	BRL	5.0									
Bromochloromethane	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359525

Sample ID: **MB-359525** Client ID: Units: **ug/L** Prep Date: **07/11/2023** Run No: **521054**
SampleType: **MBLK** TestCode: **APPENDIX I VOLATILE ORGANICS SW8260D** BatchID: **359525** Analysis Date: **07/11/2023** Seq No: **12316510**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dibromomethane	BRL	5.0									
Ethylbenzene	BRL	5.0									
Iodomethane	BRL	10									
Methylene chloride	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	10									
Surr: 4-Bromofluorobenzene	49.51	0	50.00		99.0	70	126				
Surr: Dibromofluoromethane	52.54	0	50.00		105	77	121				
Surr: Toluene-d8	51.10	0	50.00		102	78.6	119				

Sample ID: **LCS-359525** Client ID: Units: **ug/L** Prep Date: **07/11/2023** Run No: **521054**
SampleType: **LCS** TestCode: **APPENDIX I VOLATILE ORGANICS SW8260D** BatchID: **359525** Analysis Date: **07/11/2023** Seq No: **12316726**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359525

Sample ID: **LCS-359525** Client ID: Units: **ug/L** Prep Date: **07/11/2023** Run No: **521054**
SampleType: **LCS** TestCode: **APPENDIX I VOLATILE ORGANICS SW8260D** BatchID: **359525** Analysis Date: **07/11/2023** Seq No: **12316726**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	18.61	5.0	20.00		93.0	71	130				
Benzene	19.70	5.0	20.00		98.5	78.8	120				
Chlorobenzene	20.73	5.0	20.00		104	80	118				
Toluene	21.34	5.0	20.00		107	76.6	125				
Trichloroethene	20.46	5.0	20.00		102	75.3	127				
Surr: 4-Bromofluorobenzene	49.53	0	50.00		99.1	70	126				
Surr: Dibromofluoromethane	44.87	0	50.00		89.7	77	121				
Surr: Toluene-d8	51.53	0	50.00		103	78.6	119				

Sample ID: **2307606-001AMS** Client ID: Units: **ug/L** Prep Date: **07/11/2023** Run No: **521054**
SampleType: **MS** TestCode: **APPENDIX I VOLATILE ORGANICS SW8260D** BatchID: **359525** Analysis Date: **07/11/2023** Seq No: **12316655**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	253.7	50	200.0		127	69	142				
Benzene	234.9	50	200.0		117	71.4	135				
Chlorobenzene	214.1	50	200.0		107	77.7	129				
Toluene	324.3	50	200.0	98.90	113	70.3	136				
Trichloroethene	236.4	50	200.0		118	77	134				
Surr: 4-Bromofluorobenzene	504.9	0	500.0		101	70	126				
Surr: Dibromofluoromethane	547.7	0	500.0		110	77	121				
Surr: Toluene-d8	513.3	0	500.0		103	78.6	119				

Sample ID: **2307606-001AMSD** Client ID: Units: **ug/L** Prep Date: **07/11/2023** Run No: **521054**
SampleType: **MSD** TestCode: **APPENDIX I VOLATILE ORGANICS SW8260D** BatchID: **359525** Analysis Date: **07/11/2023** Seq No: **12316662**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	169.5	50	200.0		84.8	69	142	253.7	39.8	39.2	R
Benzene	190.3	50	200.0		95.2	71.4	135	234.9	21.0	31.6	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: 359525

Sample ID: **2307606-001AMSD** Client ID:
SampleType: **MSD** TestCode: **APPENDIX I VOLATILE ORGANICS SW8260D**
Units: **ug/L** Prep Date: **07/11/2023** Run No: **521054**
BatchID: **359525** Analysis Date: **07/11/2023** Seq No: **12316662**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	200.0	50	200.0		100	77.7	129	214.1	6.81	34.3	
Toluene	314.3	50	200.0	98.90	108	70.3	136	324.3	3.13	32	
Trichloroethene	200.4	50	200.0		100	77	134	236.4	16.5	35.3	
Surr: 4-Bromofluorobenzene	477.5	0	500.0		95.5	70	126	504.9	0	0	
Surr: Dibromofluoromethane	420.5	0	500.0		84.1	77	121	547.7	0	0	
Surr: Toluene-d8	534.2	0	500.0		107	78.6	119	513.3	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Atlantic Coast Consulting, Inc.
Project Name Forsyth County 2023 Mou Assistance
Workorder: 2307711

ANALYTICAL QC SUMMARY REPORT

BatchID: R521313

Sample ID: **MB-R521313** Client ID: Units: **mg/L** Prep Date: Run No: **521313**
SampleType: **MBLK** TestCode: **Inorganic Anions by IC** **E300.0** BatchID: **R521313** Analysis Date: **07/13/2023** Seq No: **12324591**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	BRL	1.00									

Sample ID: **LCS-R521313** Client ID: Units: **mg/L** Prep Date: Run No: **521313**
SampleType: **LCS** TestCode: **Inorganic Anions by IC** **E300.0** BatchID: **R521313** Analysis Date: **07/13/2023** Seq No: **12324590**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	10.13	1.00	10.00		101	90	110				

Sample ID: **2307A34-002CMS** Client ID: Units: **mg/L** Prep Date: Run No: **521313**
SampleType: **MS** TestCode: **Inorganic Anions by IC** **E300.0** BatchID: **R521313** Analysis Date: **07/13/2023** Seq No: **12324644**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	13.85	1.00	10.00	4.070	97.8	90	110				

Sample ID: **2307A34-003CMS** Client ID: Units: **mg/L** Prep Date: Run No: **521313**
SampleType: **MS** TestCode: **Inorganic Anions by IC** **E300.0** BatchID: **R521313** Analysis Date: **07/14/2023** Seq No: **12324648**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	13.45	1.00	10.00		134	90	110				S

Sample ID: **2307A34-002CMSD** Client ID: Units: **mg/L** Prep Date: Run No: **521313**
SampleType: **MSD** TestCode: **Inorganic Anions by IC** **E300.0** BatchID: **R521313** Analysis Date: **07/13/2023** Seq No: **12324645**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	13.85	1.00	10.00	4.070	97.8	90	110	13.85	0.042	20	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

End of Report