



1150 Northmeadow Parkway
Suite 100
Roswell, GA 30076
(770) 594-5998
www.atlcc.net

December 6, 2022

Transmitted via FedEx
Tracking: 770637907568

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 2022 Event
Permit No.: 058-012D(MSWL)

Dear Mr. Buckles:

As described in the Fee Estimate provided to Forsyth County, Atlantic Coast Consulting, Inc. (ACC) provided a qualified groundwater scientist to attend one day of the Eagle Point Landfill's (EPL) second 2022 sampling event to observe of sampling procedures for quality assurance (QA) and to collect QA split samples for Forsyth County comparison. The sampling event occurred the week of July 4, 2022. ACC's field representative, geologist Taylor Goble, was present to observe activities on July 5, 2022. He met with Environmental Monitoring Services, LLC (EMS), the subcontracted sampling team of GFL Environmental and observed the sampling being 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 conductivity, 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 vials and the ACC QA split sample vials.
- 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 Eurofins Environment Testing America 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 (EPA¹, 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, conductivity within 10 percent, and temperature within 1 degree centigrade (Attachment A). Surface water metals were collected at relatively low sample turbidities of 11 NTU at surface water point SWC-9 and 7 NTU at underdrain sample point SWC-5 (see Tables 2 and 3).

QA 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 dissolved metals (arsenic, barium, cadmium, chromium, lead, nickel, silver, and zinc), total metals (selenium and mercury), chloride, chemical oxygen demand (COD), total organic carbon (TOC), and cyanide. The 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 TOC in the surface water sample. Underdrain location SWC-5 was sampled and analyzed for Appendix I parameters. 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 arsenic and barium in the underdrain sample.

Groundwater monitoring wells GWC-6 and GWC-9 were sampled and analyzed for Appendix I parameters and GWC-12R was sampled and analyzed for the full list of Appendix II parameters. 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

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.

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 next sampling event scheduled for January 2023.

Sincerely,

ATLANTIC COAST CONSULTING, INC.



Charles B. Adams, P.G.
Project Manager

Attachments
cc: ACC File

TABLES



Table 1
Summary of Final Water Quality Parameter Readings
Eagle Point Landfill Forsyth County, Georgia
July 2022 Sampling Event

Well ID	pH (S.U.)	Specific Conductance (μ S/cm)	Temperature ($^{\circ}$ C)	Turbidity (NTU)
GWC-6	5.15	70	20.6	5
GWC-9	4.63	595	20.9	4
GWC-12R	5.43	722	19.2	10

Notes: Groundwater samples collected July 5, 2022.

Acronyms: $^{\circ}$ C = Degrees Celsius
 μ S/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 2022 Sampling Event

Location	Chloride (mg/L)	TOC (mg/L)
SWC-9	1.70	1.07

Location	pH (S.U.)	Specific Conductance (μ S/cm)	Temperature ($^{\circ}$ C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
SWC-9	6.45	33	26.2	11	7.11

Notes: Surface water sampled July 5, 2022.

Acronyms: mg/L = milligrams per liter

S.U. = Standard Units

μ S/cm = microSiemens/centimeter

$^{\circ}$ C = Degrees Celsius

NTU = Nephelometric Turbidity Units

TOC = total organic carbon

Table 3
Summary of Underdrain Detections & Field Parameters
Eagle Point Landfill Forsyth County, Georgia
July 2022 Sampling Event

Location	Arsenic (mg/L)	Barium (mg/L)
SWC-5	0.0282	0.0415

Location	pH (S.U.)	Specific Conductance (μ S/cm)	Temperature ($^{\circ}$ C)	Turbidity (NTU)
SWC-5	5.77	198	23.4	7

Notes: Underdrain sampled July 5, 2022.

Acronyms: mg/L = milligrams per liter
 S.U. = Standard Units
 μ S/cm = microSiemens/centimeter

$^{\circ}$ C = Degrees Celsius
 NTU = Nephelometric Turbidity Units

Table 4
Summary of Laboratory Analysis and Sample Method
Eagle Point Landfill Forsyth County, Georgia
July 2022 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	Chloride, COD, Cyanide, Dissolved and/or Total Metals, TOC	Grab
SWC-5	Appendix I	Grab

Notes: Samples collected July 5, 2022.
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 2022 Sampling Event

Well ID	Benzene (µg/L)	Barium (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	Zinc (mg/L)
GWC-6	--	0.0652	--	--	--
GWC-9	--	0.124	0.0545	--	0.0308
GWC-12R	2.7	0.127	0.127	0.0294	--
MCL	5	2	NE	0.1*	5**

Notes: Samples collected July 5, 2022.

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



ATTACHMENT A
Field Sampling Logs



ATTACHMENT B
Laboratory Report





ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 14, 2022

Charles Adams
Atlantic Coast Consulting, Inc.

1150 Northmeadow Pkwy
Roswell GA 30076

RE: Forsyth County MOU Assistance

Dear Charles Adams:

Order No: 2207322

Analytical Environmental Services, Inc. received 6 samples on 7/6/2022 8:50:00 AM 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 07/01/22-06/30/23.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/23 and Total Coliforms/ E. coli, effective 04/20/20-04/24/23.

-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

CHAIN OF CUSTODY

COMPANY: <u>Atlantic Coast Consulting</u>		ADDRESS: <u>1150 Northmeadow Parkway Suite 100, Roswell, GA, 30075</u>		ANALYSIS REQUESTED								Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.		Number of Containers			
PHONE: <u>770-594-5998</u>		EMAIL: <u>taylor.goble@atlcc.net</u>		App I Metals	App I VOC	App II Metals	App II VOC	App II SVOC	App II Chlorinated Pesticides	Herbicides/Pestic	Polychlorinated Biphenyls				Micro extractables	COD/Anions	Cyanide/Sulfide
SAMPLED BY: <u>Nick Walker / Taylor Goble</u>		SIGNATURE: <u>Taylor Goble</u>		PRESERVATION (see codes)								REMARKS					
#	SAMPLE ID	DATE	TIME	GRAB	COMPOSITE	MATRIX (see codes)											
1	GWC-6	7-5-22	1019	✓		GW	✓	✓									3
2	GWC-9	7-5-22	1102	✓		GW	✓	✓									3
3	GWC-12B	7-5-22	1140	✓		GW		✓	✓	✓	✓	✓	✓				13
4	SWC-5	7-5-22	1254	✓		SW	✓	✓									3
5	SWC-9	7-5-22	1337	✓		SW							✓	✓	✓	✓	7
6	Trip Blank	—	—	—	—	W			✓								2
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	

RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION				RECEIPT	
1. <u>Taylor Goble</u>		7-6-22/0850		1. <u>Chill</u>		7/6/22 8:50		PROJECT NAME: <u>Forsyth County MOU Assistance</u>				Total # of Containers: <u>31</u>	
2.				2.				PROJECT #: _____				Turnaround Time (TAT) Request in Business Days	
3.				3.				SITE ADDRESS: <u>Eagle Point Landfill</u>				<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush*	
SPECIAL INSTRUCTIONS/COMMENTS:		SHIPMENT METHOD		OUT: / /		VIA:		SEND REPORT TO: <u>charles.adams@atlcc.net</u> <u>betsy.mcdaniel@atlcc.net</u>				<input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush*	
				IN: <u>Client</u> / /		VIA:		INVOICE TO (IF DIFFERENT FROM ABOVE): _____				<input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other _____	
				Client FedEx UPS US mail courier		other: _____		QUOTE #: _____ PO#: _____				<input type="checkbox"/> Same-Day Rush* (auth req.)	
												*Surcharges apply for Rush TAT	
												REGULATORY PROGRAM (if any): _____	
												DATA PACKAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> O	

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.

Client: Atlantic Coast Consulting, Inc.
Project: Forsyth County MOU Assistance
Lab ID: 2207322

Case Narrative**Sample Receiving Non-conformance:**

Sample SWC-9 was listed for Sulfide analysis on the Chain of Custody, but the container was not received. Per Betsy McDaniel with Atlantic Coast via e-mail on 7/6/2022 the analysis was not needed on this sample. Furthermore, sample GWC-12R had a Sulfide and Cyanide container received, but the analyses was not listed on the Chain of Custody, the laboratory proceeded with Sulfide and Cyanide analysis per Betsy McDaniel with Atlantic Coast via e-mail on 7/6/2022.

Pesticide Analysis by Method 8081B:

LCS-339193 recovery for 4,4'-DDT, Aldrin, Dieldrin, Endrin, Heptachlor and gamma-BHC and was outside control limits biased high. Target analyte was not detected in the analytical samples and data is reportable with high bias.

Due to sample matrix, sample 2207322-003C required dilution during preparation and /or analysis resulting in elevated reporting limits.

Volatile Organic Compounds Analysis by Method 8260D:

Trichloroethene value for the QC sample 2207358-004AMS is "E" qualified indicating estimated values over linear calibration range due to the level of target analyte present in the unspiked sample.

PCBs Analysis by Method 8082A:

LCS-339245 recovery for Surrogate, Tetrachloro-m-xylene was outside control limits biased high.

Due to sample matrix, sample 2207322-003C required dilution during preparation and /or analysis resulting in elevated reporting limits.

Semi Volatiles Organic Compounds Analysis by Method 8270E:

Percent recovery for the surrogate spiking compound Phenol-d5 on the LCS samples for Batch 339219 was outside control limits biased low.

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County MOU Assistance
Lab ID: 2207322-001

Client Sample ID: GWC-6
Collection Date: 7/5/2022 10:19:00 AM
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	339422	1	07/08/2022 20:37	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
1,1-Dichloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
1,1-Dichloroethene	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
1,2,3-Trichloropropane	BRL	10		ug/L	339422	1	07/08/2022 20:37	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	339422	1	07/08/2022 20:37	CM
1,2-Dibromoethane	BRL	1.0		ug/L	339422	1	07/08/2022 20:37	CM
1,2-Dichlorobenzene	BRL	10		ug/L	339422	1	07/08/2022 20:37	CM
1,2-Dichloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
1,2-Dichloropropane	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
1,4-Dichlorobenzene	BRL	10		ug/L	339422	1	07/08/2022 20:37	CM
2-Butanone	BRL	100		ug/L	339422	1	07/08/2022 20:37	CM
2-Hexanone	BRL	50		ug/L	339422	1	07/08/2022 20:37	CM
4-Methyl-2-pentanone	BRL	50		ug/L	339422	1	07/08/2022 20:37	CM
Acetone	BRL	100		ug/L	339422	1	07/08/2022 20:37	CM
Acrylonitrile	BRL	50		ug/L	339422	1	07/08/2022 20:37	CM
Benzene	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
Bromochloromethane	BRL	10		ug/L	339422	1	07/08/2022 20:37	CM
Bromodichloromethane	BRL	10		ug/L	339422	1	07/08/2022 20:37	CM
Bromoform	BRL	10		ug/L	339422	1	07/08/2022 20:37	CM
Bromomethane	BRL	10		ug/L	339422	1	07/08/2022 20:37	CM
Carbon disulfide	BRL	5.0		ug/L	339422	1	07/08/2022 20:37	CM
Carbon tetrachloride	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
Chlorobenzene	BRL	10		ug/L	339422	1	07/08/2022 20:37	CM
Chloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
Chloroform	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
Chloromethane	BRL	10		ug/L	339422	1	07/08/2022 20:37	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
Dibromochloromethane	BRL	10		ug/L	339422	1	07/08/2022 20:37	CM
Dibromomethane	BRL	10		ug/L	339422	1	07/08/2022 20:37	CM
Ethylbenzene	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
Iodomethane	BRL	100		ug/L	339422	1	07/08/2022 20:37	CM
Methylene chloride	BRL	5.0		ug/L	339422	1	07/08/2022 20:37	CM
Styrene	BRL	10		ug/L	339422	1	07/08/2022 20:37	CM
Tetrachloroethene	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
Toluene	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	339422	1	07/08/2022 20:37	CM
Trichloroethene	BRL	2.0		ug/L	339422	1	07/08/2022 20:37	CM
Trichlorofluoromethane	BRL	10		ug/L	339422	1	07/08/2022 20:37	CM
Vinyl acetate	BRL	100		ug/L	339422	1	07/08/2022 20:37	CM

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 MOU Assistance	Collection Date: 7/5/2022 10:19:00 AM
Lab ID: 2207322-001	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	339422	1	07/08/2022 20:37	CM
Xylenes, Total	BRL	5.0		ug/L	339422	1	07/08/2022 20:37	CM
Surr: 4-Bromofluorobenzene	92.2	75-118		%REC	339422	1	07/08/2022 20:37	CM
Surr: Dibromofluoromethane	93	82.5-121		%REC	339422	1	07/08/2022 20:37	CM
Surr: Toluene-d8	96.6	78.3-118		%REC	339422	1	07/08/2022 20:37	CM
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	339374	1	07/11/2022 21:49	AS
Arsenic	BRL	0.0100		mg/L	339374	1	07/11/2022 21:49	AS
Barium	0.0652	0.0200		mg/L	339374	1	07/11/2022 21:49	AS
Beryllium	BRL	0.00300		mg/L	339374	1	07/11/2022 21:49	AS
Cadmium	BRL	0.00500		mg/L	339374	1	07/11/2022 21:49	AS
Chromium	BRL	0.0100		mg/L	339374	1	07/11/2022 21:49	AS
Cobalt	BRL	0.0400		mg/L	339374	1	07/11/2022 21:49	AS
Copper	BRL	0.0200		mg/L	339374	1	07/11/2022 21:49	AS
Lead	BRL	0.0150		mg/L	339374	1	07/11/2022 21:49	AS
Nickel	BRL	0.0200		mg/L	339374	1	07/11/2022 21:49	AS
Selenium	BRL	0.0100		mg/L	339374	1	07/11/2022 21:49	AS
Silver	BRL	0.0100		mg/L	339374	1	07/11/2022 21:49	AS
Thallium	BRL	0.00200		mg/L	339374	1	07/11/2022 21:49	AS
Vanadium	BRL	0.0200		mg/L	339374	1	07/11/2022 21:49	AS
Zinc	BRL	0.0200		mg/L	339374	1	07/11/2022 21:49	AS

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-9
Project Name: Forsyth County MOU Assistance	Collection Date: 7/5/2022 11:02:00 AM
Lab ID: 2207322-002	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	339422	1	07/08/2022 21:01	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
1,1-Dichloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
1,1-Dichloroethene	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
1,2,3-Trichloropropane	BRL	10		ug/L	339422	1	07/08/2022 21:01	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	339422	1	07/08/2022 21:01	CM
1,2-Dibromoethane	BRL	1.0		ug/L	339422	1	07/08/2022 21:01	CM
1,2-Dichlorobenzene	BRL	10		ug/L	339422	1	07/08/2022 21:01	CM
1,2-Dichloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
1,2-Dichloropropane	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
1,4-Dichlorobenzene	BRL	10		ug/L	339422	1	07/08/2022 21:01	CM
2-Butanone	BRL	100		ug/L	339422	1	07/08/2022 21:01	CM
2-Hexanone	BRL	50		ug/L	339422	1	07/08/2022 21:01	CM
4-Methyl-2-pentanone	BRL	50		ug/L	339422	1	07/08/2022 21:01	CM
Acetone	BRL	100		ug/L	339422	1	07/08/2022 21:01	CM
Acrylonitrile	BRL	50		ug/L	339422	1	07/08/2022 21:01	CM
Benzene	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
Bromochloromethane	BRL	10		ug/L	339422	1	07/08/2022 21:01	CM
Bromodichloromethane	BRL	10		ug/L	339422	1	07/08/2022 21:01	CM
Bromoform	BRL	10		ug/L	339422	1	07/08/2022 21:01	CM
Bromomethane	BRL	10		ug/L	339422	1	07/08/2022 21:01	CM
Carbon disulfide	BRL	5.0		ug/L	339422	1	07/08/2022 21:01	CM
Carbon tetrachloride	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
Chlorobenzene	BRL	10		ug/L	339422	1	07/08/2022 21:01	CM
Chloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
Chloroform	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
Chloromethane	BRL	10		ug/L	339422	1	07/08/2022 21:01	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
Dibromochloromethane	BRL	10		ug/L	339422	1	07/08/2022 21:01	CM
Dibromomethane	BRL	10		ug/L	339422	1	07/08/2022 21:01	CM
Ethylbenzene	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
Iodomethane	BRL	100		ug/L	339422	1	07/08/2022 21:01	CM
Methylene chloride	BRL	5.0		ug/L	339422	1	07/08/2022 21:01	CM
Styrene	BRL	10		ug/L	339422	1	07/08/2022 21:01	CM
Tetrachloroethene	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
Toluene	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	339422	1	07/08/2022 21:01	CM
Trichloroethene	BRL	2.0		ug/L	339422	1	07/08/2022 21:01	CM
Trichlorofluoromethane	BRL	10		ug/L	339422	1	07/08/2022 21:01	CM
Vinyl acetate	BRL	100		ug/L	339422	1	07/08/2022 21:01	CM

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.
Project Name: Forsyth County MOU Assistance
Lab ID: 2207322-002

Client Sample ID: GWC-9
Collection Date: 7/5/2022 11:02:00 AM
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	339422	1	07/08/2022 21:01	CM
Xylenes, Total	BRL	5.0		ug/L	339422	1	07/08/2022 21:01	CM
Surr: 4-Bromofluorobenzene	92.7	75-118		%REC	339422	1	07/08/2022 21:01	CM
Surr: Dibromofluoromethane	94.8	82.5-121		%REC	339422	1	07/08/2022 21:01	CM
Surr: Toluene-d8	96.2	78.3-118		%REC	339422	1	07/08/2022 21:01	CM
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	339374	1	07/11/2022 22:25	AS
Arsenic	BRL	0.0100		mg/L	339374	1	07/11/2022 22:25	AS
Barium	0.124	0.0200		mg/L	339374	1	07/11/2022 22:25	AS
Beryllium	BRL	0.00300		mg/L	339374	1	07/11/2022 22:25	AS
Cadmium	BRL	0.00500		mg/L	339374	1	07/11/2022 22:25	AS
Chromium	BRL	0.0100		mg/L	339374	1	07/11/2022 22:25	AS
Cobalt	0.0545	0.0400		mg/L	339374	1	07/11/2022 22:25	AS
Copper	BRL	0.0200		mg/L	339374	1	07/11/2022 22:25	AS
Lead	BRL	0.0150		mg/L	339374	1	07/11/2022 22:25	AS
Nickel	BRL	0.0200		mg/L	339374	1	07/11/2022 22:25	AS
Selenium	BRL	0.0100		mg/L	339374	1	07/11/2022 22:25	AS
Silver	BRL	0.0100		mg/L	339374	1	07/11/2022 22:25	AS
Thallium	BRL	0.00200		mg/L	339374	1	07/11/2022 22:25	AS
Vanadium	BRL	0.0200		mg/L	339374	1	07/11/2022 22:25	AS
Zinc	0.0308	0.0200		mg/L	339374	1	07/11/2022 22:25	AS

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 MOU Assistance	Collection Date: 7/5/2022 11:40:00 AM
Lab ID: 2207322-003	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	339298	1	07/11/2022 10:59	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
1,1-Dichloroethane	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
1,1-Dichloroethene	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
1,1-Dichloropropene	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
1,2-Dichlorobenzene	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
1,2-Dichloroethane	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
1,2-Dichloropropane	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
1,3-Dichlorobenzene	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
1,3-Dichloropropane	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
1,4-Dichlorobenzene	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
2,2-Dichloropropane	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
2-Butanone	BRL	100		ug/L	339298	1	07/11/2022 10:59	OM
2-Hexanone	BRL	50		ug/L	339298	1	07/11/2022 10:59	OM
4-Methyl-2-pentanone	BRL	50		ug/L	339298	1	07/11/2022 10:59	OM
Acetone	BRL	100		ug/L	339298	1	07/11/2022 10:59	OM
Acetonitrile	BRL	200		ug/L	339298	1	07/11/2022 10:59	OM
Acrolein	BRL	50		ug/L	339298	1	07/11/2022 10:59	OM
Acrylonitrile	BRL	50		ug/L	339298	1	07/11/2022 10:59	OM
Allyl Chloride	BRL	100		ug/L	339298	1	07/11/2022 10:59	OM
Benzene	2.7	2.0		ug/L	339298	1	07/11/2022 10:59	OM
Bromochloromethane	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
Bromodichloromethane	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
Bromoform	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
Bromomethane	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
Carbon disulfide	BRL	5.0		ug/L	339298	1	07/11/2022 10:59	OM
Carbon tetrachloride	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
Chlorobenzene	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
Chloroethane	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
Chloroform	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
Chloromethane	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
Chloroprene	BRL	20		ug/L	339298	1	07/11/2022 10:59	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
Dibromochloromethane	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
Dibromomethane	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
Dichlorodifluoromethane	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
Ethyl Methacrylate	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
Ethylbenzene	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
Iodomethane	BRL	100		ug/L	339298	1	07/11/2022 10:59	OM
Isobutyl Alcohol	BRL	200		ug/L	339298	1	07/11/2022 10:59	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.
Project Name: Forsyth County MOU Assistance
Lab ID: 2207322-003

Client Sample ID: GWC-12R
Collection Date: 7/5/2022 11:40:00 AM
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	339298	1	07/11/2022 10:59	OM
Methylacrylonitrile	BRL	100		ug/L	339298	1	07/11/2022 10:59	OM
Methylene chloride	BRL	5.0		ug/L	339298	1	07/11/2022 10:59	OM
Naphthalene	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
Propionitrile	BRL	75		ug/L	339298	1	07/11/2022 10:59	OM
Styrene	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
Tetrachloroethene	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
Toluene	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	339298	1	07/11/2022 10:59	OM
Trichloroethene	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
Trichlorofluoromethane	BRL	10		ug/L	339298	1	07/11/2022 10:59	OM
Vinyl acetate	BRL	100		ug/L	339298	1	07/11/2022 10:59	OM
Vinyl chloride	BRL	2.0		ug/L	339298	1	07/11/2022 10:59	OM
Xylenes, Total	BRL	5.0		ug/L	339298	1	07/11/2022 10:59	OM
Surr: 4-Bromofluorobenzene	102	70-130		%REC	339298	1	07/11/2022 10:59	OM
Surr: Dibromofluoromethane	99	70-130		%REC	339298	1	07/11/2022 10:59	OM
Surr: Toluene-d8	99.2	70-130		%REC	339298	1	07/11/2022 10:59	OM
Sulfide by SW9030B/9034		(SW9030B)						
Sulfide	BRL	2.00		mg/L	339171	1	07/07/2022 00:00	AD
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
1,3,5-Trinitrobenzene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
1,3-Dinitrobenzene	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
1,4-Napthoquinone	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
1-Naphthylamine	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
2,2'-oxybis(1-Chloropropane)	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
2,3,4,6-Tetrachlorophenol	BRL	77		ug/L	339219	1	07/08/2022 14:48	YH
2,4,5-Trichlorophenol	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
2,4,6-Trichlorophenol	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
2,4-Dichlorophenol	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
2,4-Dimethylphenol	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
2,4-Dinitrophenol	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
2,4-Dinitrotoluene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
2,6-Dichlorophenol	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
2,6-Dinitrotoluene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
2-Acetylaminofluorene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
2-Chloronaphthalene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
2-Chlorophenol	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
2-Methylnaphthalene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
2-Methylphenol	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
2-Naphthylamine	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH

Qualifiers:

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- E Estimated (value above quantitation range)
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- < Less than Result value
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Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County MOU Assistance
Lab ID: 2207322-003

Client Sample ID: GWC-12R
Collection Date: 7/5/2022 11:40:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Nitroaniline	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
2-Nitrophenol	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
3,3'-Dichlorobenzidine	BRL	230		ug/L	339219	1	07/08/2022 14:48	YH
3,3'-Dimethoxybenzidine	BRL	190	N	ug/L	339219	1	07/08/2022 14:48	YH
3,4-Methylphenol	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
3-Methylcholanthrene	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
3-Nitroaniline	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
4,6-Dinitro-2-methylphenol	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
4-Aminobiphenyl	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
4-Bromophenyl phenyl ether	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
4-Chloro-3-methylphenol	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
4-Chloroaniline	BRL	77		ug/L	339219	1	07/08/2022 14:48	YH
4-Chlorophenyl phenyl ether	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
4-Nitroaniline	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
4-Nitrophenol	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
5-Nitro-o-toluidine	BRL	77		ug/L	339219	1	07/08/2022 14:48	YH
7,12-Dimethylbenz(a)anthracene	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
Acenaphthene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Acenaphthylene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Acetophenone	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Anthracene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Benz(a)anthracene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Benzo(a)pyrene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Benzo(b)fluoranthene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Benzo(g,h,i)perylene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Benzo(k)fluoranthene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Benzyl alcohol	BRL	77		ug/L	339219	1	07/08/2022 14:48	YH
Bis(2-chloroethoxy)methane	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Bis(2-chloroethyl)ether	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Bis(2-ethylhexyl)phthalate	BRL	23		ug/L	339219	1	07/08/2022 14:48	YH
Butyl benzyl phthalate	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Chlorobenzilate	BRL	10		ug/L	339219	1	07/08/2022 14:48	YH
Chrysene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Di-n-butyl phthalate	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Di-n-octyl phthalate	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Diallate	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Dibenz(a,h)anthracene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Dibenzofuran	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Diethyl phthalate	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Dimethoate	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
Dimethyl phthalate	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Disulfoton	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Ethyl methanesulfonate	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
Famphur	BRL	39		ug/L	339219	1	07/12/2022 17:32	YH
Fluoranthene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH

Qualifiers:

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- Narr See case narrative
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Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County MOU Assistance
Lab ID: 2207322-003

Client Sample ID: GWC-12R
Collection Date: 7/5/2022 11:40:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E							
					(SW3510C)			
Fluorene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Hexachlorobenzene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Hexachlorobutadiene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Hexachlorocyclopentadiene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Hexachloroethane	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Hexachloropropene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Indeno(1,2,3-cd)pyrene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Isodrin	BRL	10		ug/L	339219	1	07/08/2022 14:48	YH
Isophorone	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Isosafrole	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
Kepone	BRL	77		ug/L	339219	1	07/12/2022 17:32	YH
Methapyrilene	BRL	7700		ug/L	339219	1	07/08/2022 14:48	YH
Methyl methanesulfonate	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
Methyl parathion	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
N-Nitrosodi-n-butylamine	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
N-Nitrosodi-n-propylamine	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
N-Nitrosodiethylamine	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
N-Nitrosodimethylamine	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
N-Nitrosodiphenylamine	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
N-Nitrosomethylethylamine	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
N-Nitrosopiperidine	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
N-Nitrosopyrrolidine	BRL	77		ug/L	339219	1	07/08/2022 14:48	YH
Nitrobenzene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
O,O,O-Triethyl phosphorothioate	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
o-Toluidine	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
p-Dimethylaminoazobenzene	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
p-Phenylenediamine	BRL	7700		ug/L	339219	1	07/08/2022 14:48	YH
Parathion	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Pentachlorobenzene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Pentachloronitrobenzene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Pentachlorophenol	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
Phenacetin	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
Phenanthrene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Phenol	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Phorate	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Pronamide	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Pyrene	BRL	39		ug/L	339219	1	07/08/2022 14:48	YH
Safrole	BRL	190		ug/L	339219	1	07/08/2022 14:48	YH
Surr: 2,4,6-Tribromophenol	197	46-135	S	%REC	339219	1	07/08/2022 14:48	YH
Surr: 2-Fluorobiphenyl	116	45-121		%REC	339219	1	07/08/2022 14:48	YH
Surr: 2-Fluorophenol	68.4	28.2-120		%REC	339219	1	07/08/2022 14:48	YH
Surr: 4-Terphenyl-d14	116	44-120		%REC	339219	1	07/08/2022 14:48	YH
Surr: Nitrobenzene-d5	121	41-123		%REC	339219	1	07/08/2022 14:48	YH
Surr: Phenol-d5	44.6	19.5-120		%REC	339219	1	07/08/2022 14:48	YH

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Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-12R
Project Name: Forsyth County MOU Assistance	Collection Date: 7/5/2022 11:40:00 AM
Lab ID: 2207322-003	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
POLYCHLORINATED BIPHENYLS SW8082A					(SW3510C)			
Aroclor 1016	BRL	25		ug/L	339245	50	07/11/2022 20:32	ST
Aroclor 1221	BRL	25		ug/L	339245	50	07/11/2022 20:32	ST
Aroclor 1232	BRL	25		ug/L	339245	50	07/11/2022 20:32	ST
Aroclor 1242	BRL	25		ug/L	339245	50	07/11/2022 20:32	ST
Aroclor 1248	BRL	25		ug/L	339245	50	07/11/2022 20:32	ST
Aroclor 1254	BRL	25		ug/L	339245	50	07/11/2022 20:32	ST
Aroclor 1260	BRL	25		ug/L	339245	50	07/11/2022 20:32	ST
Surr: Decachlorobiphenyl	69.7	31.4-126		%REC	339245	1	07/08/2022 13:18	ST
Surr: Tetrachloro-m-xylene	185	46.9-126	S	%REC	339245	1	07/08/2022 13:18	ST
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011					(SW8011)			
1,2-Dibromo-3-chloropropane	BRL	0.201		ug/L	339429	1	07/11/2022 21:15	TB
1,2-Dibromoethane	BRL	0.050		ug/L	339429	1	07/11/2022 21:15	TB
Surr: 4-Bromofluorobenzene	105	69.7-138		%REC	339429	1	07/11/2022 21:15	TB
Mercury, Total SW7470A					(SW7470A)			
Mercury	BRL	0.00050		mg/L	339409	1	07/11/2022 17:48	GR
Cyanide SW9014					(SW9010C)			
Cyanide, Total	BRL	0.020		mg/L	339355	1	07/14/2022 13:08	KV
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B					(SW3510C)			
4,4'-DDD	BRL	0.10		ug/L	339193	1	07/08/2022 13:18	ST
4,4'-DDE	BRL	0.10		ug/L	339193	1	07/08/2022 13:18	ST
4,4'-DDT	BRL	0.10		ug/L	339193	1	07/08/2022 13:18	ST
Aldrin	BRL	0.050		ug/L	339193	1	07/08/2022 13:18	ST
alpha-BHC	BRL	0.050		ug/L	339193	1	07/08/2022 13:18	ST
beta-BHC	BRL	0.050		ug/L	339193	1	07/08/2022 13:18	ST
Chlordane	BRL	25		ug/L	339193	50	07/08/2022 19:21	ST
delta-BHC	BRL	0.050		ug/L	339193	1	07/08/2022 13:18	ST
Dieldrin	BRL	0.10		ug/L	339193	1	07/08/2022 13:18	ST
Endosulfan I	BRL	0.088		ug/L	339193	1	07/08/2022 13:18	ST
Endosulfan II	BRL	0.10		ug/L	339193	1	07/08/2022 13:18	ST
Endosulfan sulfate	BRL	0.10		ug/L	339193	1	07/08/2022 13:18	ST
Endrin	BRL	0.10		ug/L	339193	1	07/08/2022 13:18	ST
Endrin aldehyde	BRL	0.10		ug/L	339193	1	07/08/2022 13:18	ST
gamma-BHC	BRL	0.050		ug/L	339193	1	07/08/2022 13:18	ST
Heptachlor	BRL	0.050		ug/L	339193	1	07/08/2022 13:18	ST
Heptachlor epoxide	BRL	0.050		ug/L	339193	1	07/08/2022 13:18	ST
Methoxychlor	BRL	0.50		ug/L	339193	1	07/08/2022 13:18	ST
Toxaphene	BRL	150		ug/L	339193	50	07/11/2022 20:32	UH
Surr: Decachlorobiphenyl	86	27-130		%REC	339193	1	07/08/2022 13:18	ST
Surr: Tetrachloro-m-xylene	158	40.1-130	S	%REC	339193	1	07/08/2022 13:18	ST
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A					(SW3510C)			

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Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-12R
Project Name: Forsyth County MOU Assistance	Collection Date: 7/5/2022 11:40:00 AM
Lab ID: 2207322-003	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A				(SW3510C)				
2,4,5-T	BRL	4.8		ug/L	339220	1	07/09/2022 00:02	UH
2,4,5-TP (Silvex)	BRL	9.6		ug/L	339220	1	07/09/2022 00:02	UH
2,4-D	BRL	4.8		ug/L	339220	1	07/09/2022 00:02	UH
Dinoseb	BRL	5.0		ug/L	339220	1	07/09/2022 00:02	UH
Pentachlorophenol	BRL	1.0		ug/L	339220	1	07/09/2022 00:02	UH
Surr: DCAA	103	47-120		%REC	339220	1	07/09/2022 00:02	UH
APPENDIX II METALS SW6020B				(SW3005A)				
Antimony	BRL	0.00600		mg/L	339374	1	07/11/2022 22:28	AS
Arsenic	BRL	0.0100		mg/L	339374	1	07/11/2022 22:28	AS
Barium	0.127	0.0200		mg/L	339374	1	07/11/2022 22:28	AS
Beryllium	BRL	0.00300		mg/L	339374	1	07/11/2022 22:28	AS
Cadmium	BRL	0.00500		mg/L	339374	1	07/11/2022 22:28	AS
Chromium	BRL	0.0100		mg/L	339374	1	07/11/2022 22:28	AS
Cobalt	0.127	0.0400		mg/L	339374	1	07/11/2022 22:28	AS
Copper	BRL	0.0200		mg/L	339374	1	07/11/2022 22:28	AS
Lead	BRL	0.0150		mg/L	339374	1	07/11/2022 22:28	AS
Nickel	0.0294	0.0200		mg/L	339374	1	07/11/2022 22:28	AS
Selenium	BRL	0.0100		mg/L	339374	1	07/11/2022 22:28	AS
Silver	BRL	0.0100		mg/L	339374	1	07/11/2022 22:28	AS
Thallium	BRL	0.00200		mg/L	339374	1	07/11/2022 22:28	AS
Tin	BRL	0.0500		mg/L	339374	1	07/11/2022 22:28	AS
Vanadium	BRL	0.0200		mg/L	339374	1	07/11/2022 22:28	AS
Zinc	BRL	0.0200		mg/L	339374	1	07/11/2022 22:28	AS

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Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-5
Project Name: Forsyth County MOU Assistance	Collection Date: 7/5/2022 12:54:00 PM
Lab ID: 2207322-004	Matrix: Surface Water

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	339422	1	07/08/2022 21:26	CM
1,1,1-Trichloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
1,1,2-Trichloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
1,1-Dichloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
1,1-Dichloroethene	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
1,2,3-Trichloropropane	BRL	10		ug/L	339422	1	07/08/2022 21:26	CM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	339422	1	07/08/2022 21:26	CM
1,2-Dibromoethane	BRL	1.0		ug/L	339422	1	07/08/2022 21:26	CM
1,2-Dichlorobenzene	BRL	10		ug/L	339422	1	07/08/2022 21:26	CM
1,2-Dichloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
1,2-Dichloropropane	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
1,4-Dichlorobenzene	BRL	10		ug/L	339422	1	07/08/2022 21:26	CM
2-Butanone	BRL	100		ug/L	339422	1	07/08/2022 21:26	CM
2-Hexanone	BRL	50		ug/L	339422	1	07/08/2022 21:26	CM
4-Methyl-2-pentanone	BRL	50		ug/L	339422	1	07/08/2022 21:26	CM
Acetone	BRL	100		ug/L	339422	1	07/08/2022 21:26	CM
Acrylonitrile	BRL	50		ug/L	339422	1	07/08/2022 21:26	CM
Benzene	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
Bromochloromethane	BRL	10		ug/L	339422	1	07/08/2022 21:26	CM
Bromodichloromethane	BRL	10		ug/L	339422	1	07/08/2022 21:26	CM
Bromoform	BRL	10		ug/L	339422	1	07/08/2022 21:26	CM
Bromomethane	BRL	10		ug/L	339422	1	07/08/2022 21:26	CM
Carbon disulfide	BRL	5.0		ug/L	339422	1	07/08/2022 21:26	CM
Carbon tetrachloride	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
Chlorobenzene	BRL	10		ug/L	339422	1	07/08/2022 21:26	CM
Chloroethane	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
Chloroform	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
Chloromethane	BRL	10		ug/L	339422	1	07/08/2022 21:26	CM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
Dibromochloromethane	BRL	10		ug/L	339422	1	07/08/2022 21:26	CM
Dibromomethane	BRL	10		ug/L	339422	1	07/08/2022 21:26	CM
Ethylbenzene	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
Iodomethane	BRL	100		ug/L	339422	1	07/08/2022 21:26	CM
Methylene chloride	BRL	5.0		ug/L	339422	1	07/08/2022 21:26	CM
Styrene	BRL	10		ug/L	339422	1	07/08/2022 21:26	CM
Tetrachloroethene	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
Toluene	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
trans-1,2-Dichloroethene	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
trans-1,3-Dichloropropene	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	339422	1	07/08/2022 21:26	CM
Trichloroethene	BRL	2.0		ug/L	339422	1	07/08/2022 21:26	CM
Trichlorofluoromethane	BRL	10		ug/L	339422	1	07/08/2022 21:26	CM
Vinyl acetate	BRL	100		ug/L	339422	1	07/08/2022 21:26	CM

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Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-5
Project Name: Forsyth County MOU Assistance	Collection Date: 7/5/2022 12:54:00 PM
Lab ID: 2207322-004	Matrix: Surface Water

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	339422	1	07/08/2022 21:26	CM
Xylenes, Total	BRL	5.0		ug/L	339422	1	07/08/2022 21:26	CM
Surr: 4-Bromofluorobenzene	92.7	75-118		%REC	339422	1	07/08/2022 21:26	CM
Surr: Dibromofluoromethane	94.1	82.5-121		%REC	339422	1	07/08/2022 21:26	CM
Surr: Toluene-d8	96.9	78.3-118		%REC	339422	1	07/08/2022 21:26	CM
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	339374	1	07/11/2022 22:32	AS
Arsenic	0.0282	0.0100		mg/L	339374	1	07/11/2022 22:32	AS
Barium	0.0415	0.0200		mg/L	339374	1	07/11/2022 22:32	AS
Beryllium	BRL	0.00300		mg/L	339374	1	07/11/2022 22:32	AS
Cadmium	BRL	0.00500		mg/L	339374	1	07/11/2022 22:32	AS
Chromium	BRL	0.0100		mg/L	339374	1	07/11/2022 22:32	AS
Cobalt	BRL	0.0400		mg/L	339374	1	07/11/2022 22:32	AS
Copper	BRL	0.0200		mg/L	339374	1	07/11/2022 22:32	AS
Lead	BRL	0.0150		mg/L	339374	1	07/11/2022 22:32	AS
Nickel	BRL	0.0200		mg/L	339374	1	07/11/2022 22:32	AS
Selenium	BRL	0.0100		mg/L	339374	1	07/11/2022 22:32	AS
Silver	BRL	0.0100		mg/L	339374	1	07/11/2022 22:32	AS
Thallium	BRL	0.00200		mg/L	339374	1	07/11/2022 22:32	AS
Vanadium	BRL	0.0200		mg/L	339374	1	07/11/2022 22:32	AS
Zinc	BRL	0.0200		mg/L	339374	1	07/11/2022 22:32	AS

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Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-9
Project Name: Forsyth County MOU Assistance	Collection Date: 7/5/2022 1:37:00 PM
Lab ID: 2207322-005	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	1.07	1.00		mg/L	R490862	1	07/11/2022 13:37	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	339216	1	07/07/2022 16:15	KV
METALS, DISSOLVED SW6010D (SW3005A)								
Arsenic	BRL	0.0500		mg/L	339235	1	07/11/2022 12:22	KJ
Barium	BRL	0.0200		mg/L	339235	1	07/11/2022 12:22	KJ
Cadmium	BRL	0.0050		mg/L	339235	1	07/11/2022 12:22	KJ
Chromium	BRL	0.0100		mg/L	339235	1	07/11/2022 12:22	KJ
Lead	BRL	0.0100		mg/L	339235	1	07/11/2022 12:22	KJ
Nickel	BRL	0.0200		mg/L	339235	1	07/11/2022 12:22	KJ
Silver	BRL	0.0100		mg/L	339235	1	07/11/2022 12:22	KJ
Zinc	BRL	0.0200		mg/L	339235	1	07/11/2022 12:22	KJ
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	339409	1	07/08/2022 16:35	GR
Inorganic Anions by IC E300.0								
Chloride	1.70	0.500		mg/L	R490727	1	07/08/2022 14:48	BI
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R490671	1	07/08/2022 13:38	GY
METALS, TOTAL SW6010D (SW3010A)								
Selenium	BRL	0.0200		mg/L	339285	1	07/08/2022 16:44	JM

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.
Project Name: Forsyth County MOU Assistance
Lab ID: 2207322-006

Client Sample ID: TRIP BLANK
Collection Date: 7/5/2022
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	339298	1	07/07/2022 15:22	OM
1,1,1-Trichloroethane	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
1,1,2-Trichloroethane	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
1,1-Dichloroethane	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
1,1-Dichloroethene	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
1,1-Dichloropropene	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
1,2,3-Trichloropropane	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
1,2,4-Trichlorobenzene	BRL	10		ug/L	339298	1	07/07/2022 15:22	OM
1,2-Dichlorobenzene	BRL	10		ug/L	339298	1	07/07/2022 15:22	OM
1,2-Dichloroethane	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
1,2-Dichloropropane	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
1,3-Dichlorobenzene	BRL	10		ug/L	339298	1	07/07/2022 15:22	OM
1,3-Dichloropropane	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
1,4-Dichlorobenzene	BRL	10		ug/L	339298	1	07/07/2022 15:22	OM
2,2-Dichloropropane	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
2-Butanone	BRL	100		ug/L	339298	1	07/07/2022 15:22	OM
2-Hexanone	BRL	50		ug/L	339298	1	07/07/2022 15:22	OM
4-Methyl-2-pentanone	BRL	50		ug/L	339298	1	07/07/2022 15:22	OM
Acetone	BRL	100		ug/L	339298	1	07/07/2022 15:22	OM
Acetonitrile	BRL	200		ug/L	339298	1	07/07/2022 15:22	OM
Acrolein	BRL	50		ug/L	339298	1	07/07/2022 15:22	OM
Acrylonitrile	BRL	50		ug/L	339298	1	07/07/2022 15:22	OM
Allyl Chloride	BRL	100		ug/L	339298	1	07/07/2022 15:22	OM
Benzene	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
Bromochloromethane	BRL	10		ug/L	339298	1	07/07/2022 15:22	OM
Bromodichloromethane	BRL	10		ug/L	339298	1	07/07/2022 15:22	OM
Bromoform	BRL	10		ug/L	339298	1	07/07/2022 15:22	OM
Bromomethane	BRL	10		ug/L	339298	1	07/07/2022 15:22	OM
Carbon disulfide	BRL	5.0		ug/L	339298	1	07/07/2022 15:22	OM
Carbon tetrachloride	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
Chlorobenzene	BRL	10		ug/L	339298	1	07/07/2022 15:22	OM
Chloroethane	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
Chloroform	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
Chloromethane	BRL	10		ug/L	339298	1	07/07/2022 15:22	OM
Chloroprene	BRL	20		ug/L	339298	1	07/07/2022 15:22	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
cis-1,3-Dichloropropene	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
Dibromochloromethane	BRL	10		ug/L	339298	1	07/07/2022 15:22	OM
Dibromomethane	BRL	10		ug/L	339298	1	07/07/2022 15:22	OM
Dichlorodifluoromethane	BRL	10		ug/L	339298	1	07/07/2022 15:22	OM
Ethyl Methacrylate	BRL	10		ug/L	339298	1	07/07/2022 15:22	OM
Ethylbenzene	BRL	2.0		ug/L	339298	1	07/07/2022 15:22	OM
Iodomethane	BRL	100		ug/L	339298	1	07/07/2022 15:22	OM
Isobutyl Alcohol	BRL	200		ug/L	339298	1	07/07/2022 15:22	OM

Qualifiers:

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- BRL Below reporting limit
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- B Analyte detected in the associated method blank
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- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
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- < Less than Result value
- J Estimated value detected below Reporting Limit

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Atlantic Coast Consulting, Inc.

AES Work Order Number: 2207322

2. Carrier: FedEx UPS USPS Client Courier Other _____

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

13. Cooler 1 Temperature 0.2 °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). CW 7/6/22

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

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). CW 7/6/22

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? *	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
29. Containers meet preservation guidelines?	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>		
30. Was pH adjusted at Sample Receipt?	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>		

* 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). CW 7/6/22

Locked

Client: Atlantic Coast Consulting, Inc.
 Project Name: Forsyth County MOU Assistance
 Lab Order: 2207322

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2207322-001A	GWC-6	7/5/2022 10:19:00AM	Groundwater	APPENDIX I VOLATILE ORGANICS		7/8/2022 3:18:00AM	07/08/2022
2207322-001B	GWC-6	7/5/2022 10:19:00AM	Groundwater	APPENDIX I METALS		7/11/2022 9:05:00AM	07/11/2022
2207322-002A	GWC-9	7/5/2022 11:02:00AM	Groundwater	APPENDIX I VOLATILE ORGANICS		7/8/2022 3:18:00AM	07/08/2022
2207322-002B	GWC-9	7/5/2022 11:02:00AM	Groundwater	APPENDIX I METALS		7/11/2022 9:05:00AM	07/11/2022
2207322-003A	GWC-12R	7/5/2022 11:40:00AM	Groundwater	Volatile Organic Compounds by GC/MS		7/7/2022 10:10:00AM	07/11/2022
2207322-003B	GWC-12R	7/5/2022 11:40:00AM	Groundwater	APPENDIX II METALS		7/11/2022 9:05:00AM	07/11/2022
2207322-003B	GWC-12R	7/5/2022 11:40:00AM	Groundwater	TOTAL MERCURY		7/11/2022 11:20:00AM	07/11/2022
2207322-003C	GWC-12R	7/5/2022 11:40:00AM	Groundwater	Chlorinated Herbicides by 615		7/7/2022 10:41:20AM	07/09/2022
2207322-003C	GWC-12R	7/5/2022 11:40:00AM	Groundwater	APPENDIX II CHLORINATED PESTICIDE		7/6/2022 12:11:31PM	07/08/2022
2207322-003C	GWC-12R	7/5/2022 11:40:00AM	Groundwater	APPENDIX II CHLORINATED PESTICIDE		7/6/2022 12:11:31PM	07/11/2022
2207322-003C	GWC-12R	7/5/2022 11:40:00AM	Groundwater	POLYCHLORINATED BIPHENYLS		7/6/2022 12:11:31PM	07/08/2022
2207322-003C	GWC-12R	7/5/2022 11:40:00AM	Groundwater	POLYCHLORINATED BIPHENYLS		7/6/2022 12:11:31PM	07/11/2022
2207322-003C	GWC-12R	7/5/2022 11:40:00AM	Groundwater	CHLORINATED HERBICIDES, APPENDI:		7/7/2022 10:41:20AM	07/09/2022
2207322-003C	GWC-12R	7/5/2022 11:40:00AM	Groundwater	TCL-SEMIVOLATILE ORGANICS		7/7/2022 10:40:44AM	07/08/2022
2207322-003C	GWC-12R	7/5/2022 11:40:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		7/7/2022 10:40:44AM	07/08/2022
2207322-003C	GWC-12R	7/5/2022 11:40:00AM	Groundwater	Semivolatile Org. Comp. by GC/MS		7/7/2022 10:40:44AM	07/12/2022
2207322-003D	GWC-12R	7/5/2022 11:40:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		7/11/2022 4:32:59PM	07/11/2022
2207322-003E	GWC-12R	7/5/2022 11:40:00AM	Groundwater	Cyanide		7/12/2022 11:58:00AM	07/14/2022
2207322-003F	GWC-12R	7/5/2022 11:40:00AM	Groundwater	Sulfide by SW9030/9034		7/7/2022 9:00:00AM	07/07/2022
2207322-004A	SWC-5	7/5/2022 12:54:00PM	Surface Water	APPENDIX I VOLATILE ORGANICS		7/8/2022 3:18:00AM	07/08/2022
2207322-004B	SWC-5	7/5/2022 12:54:00PM	Surface Water	APPENDIX I METALS		7/11/2022 9:05:00AM	07/11/2022
2207322-005A	SWC-9	7/5/2022 1:37:00PM	Surface Water	Chemical Oxygen Demand (COD)			07/08/2022
2207322-005B	SWC-9	7/5/2022 1:37:00PM	Surface Water	Total Cyanide		7/7/2022 11:58:00AM	07/07/2022
2207322-005C	SWC-9	7/5/2022 1:37:00PM	Surface Water	Total Organic Carbon by SM5310B			07/11/2022
2207322-005D	SWC-9	7/5/2022 1:37:00PM	Surface Water	Inorganic Anions by IC			07/08/2022
2207322-005E	SWC-9	7/5/2022 1:37:00PM	Surface Water	DISSOLVED METALS BY ICP		7/7/2022 9:53:00AM	07/11/2022
2207322-005F	SWC-9	7/5/2022 1:37:00PM	Surface Water	TOTAL METALS BY ICP		7/8/2022 8:20:00AM	07/08/2022
2207322-005F	SWC-9	7/5/2022 1:37:00PM	Surface Water	TOTAL MERCURY		7/8/2022 11:14:00AM	07/08/2022
2207322-006A	TRIP BLANK	7/5/2022 12:00:00AM	Aqueous	Volatile Organic Compounds by GC/MS		7/7/2022 10:10:00AM	07/07/2022

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339171

Sample ID: MB-339171	Client ID:	Units: mg/L	Prep Date: 07/06/2022	Run No: 490409							
SampleType: MBLK	TestCode: Sulfide by SW9030B/9034	BatchID: 339171	Analysis Date: 07/06/2022	Seq No: 11431287							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide BRL 2.00

Sample ID: LCS-339171	Client ID:	Units: mg/L	Prep Date: 07/06/2022	Run No: 490409							
SampleType: LCS	TestCode: Sulfide by SW9030B/9034	BatchID: 339171	Analysis Date: 07/06/2022	Seq No: 11431300							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide 17.60 2.00 17.60 100 70 130

Sample ID: 2207140-002EMS	Client ID:	Units: mg/L	Prep Date: 07/06/2022	Run No: 490409							
SampleType: MS	TestCode: Sulfide by SW9030B/9034	BatchID: 339171	Analysis Date: 07/06/2022	Seq No: 11431278							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide 15.60 2.00 17.60 88.6 63.4 129

Sample ID: 2207140-002EMSD	Client ID:	Units: mg/L	Prep Date: 07/06/2022	Run No: 490409							
SampleType: MSD	TestCode: Sulfide by SW9030B/9034	BatchID: 339171	Analysis Date: 07/06/2022	Seq No: 11431279							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide 16.80 2.00 17.60 95.5 63.4 129 15.60 7.41 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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339193

Sample ID: MB-339193	Client ID:	Units: ug/L	Prep Date: 07/06/2022	Run No: 490701							
SampleType: MBLK	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 339193	Analysis Date: 07/08/2022	Seq No: 11443284							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDD	BRL	0.10									
4,4'-DDE	BRL	0.10									
4,4'-DDT	BRL	0.10									
Aldrin	BRL	0.050									
alpha-BHC	BRL	0.050									
beta-BHC	BRL	0.050									
Chlordane	BRL	0.50									
delta-BHC	BRL	0.050									
Dieldrin	BRL	0.10									
Endosulfan I	BRL	0.050									
Endosulfan II	BRL	0.10									
Endosulfan sulfate	BRL	0.10									
Endrin	BRL	0.10									
Endrin aldehyde	BRL	0.10									
gamma-BHC	BRL	0.050									
Heptachlor	BRL	0.050									
Heptachlor epoxide	BRL	0.050									
Methoxychlor	BRL	0.50									
Toxaphene	BRL	3.0									
Surr: Decachlorobiphenyl	0.3298	0	0.5000		66.0	27	130				
Surr: Tetrachloro-m-xylene	0.4017	0	0.5000		80.3	40.1	130				

Sample ID: LCS-339193	Client ID:	Units: ug/L	Prep Date: 07/06/2022	Run No: 490701							
SampleType: LCS	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 339193	Analysis Date: 07/08/2022	Seq No: 11443286							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	1.307	0.10	1.000		131	61.5	125				S
Aldrin	1.234	0.050	1.000		123	60	120				S

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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339193

Sample ID: LCS-339193	Client ID:	Units: ug/L	Prep Date: 07/06/2022	Run No: 490701							
SampleType: LCS	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 339193	Analysis Date: 07/08/2022	Seq No: 11443286							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Dieldrin	1.223	0.10	1.000		122	64.7	120				S
Endrin	1.334	0.10	1.000		133	66.9	123				S
gamma-BHC	1.339	0.050	1.000		134	70.8	120				S
Heptachlor	1.255	0.050	1.000		125	60.6	120				S
Surr: Decachlorobiphenyl	0.4963	0	0.5000		99.3	27	130				
Surr: Tetrachloro-m-xylene	0.4886	0	0.5000		97.7	40.1	130				

Sample ID: 2207245-004CMS	Client ID:	Units: ug/L	Prep Date: 07/06/2022	Run No: 490701							
SampleType: MS	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 339193	Analysis Date: 07/08/2022	Seq No: 11443290							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aldrin	0.8736	0.050	1.000		87.4	46	120				
Dieldrin	1.061	0.10	1.000		106	45.5	120				
Endrin	1.068	0.10	1.000		107	56.3	131				
gamma-BHC	1.172	0.050	1.000		117	54.5	120				
Surr: Decachlorobiphenyl	0.2928	0	0.5000		58.6	27	130				
Surr: Tetrachloro-m-xylene	0.4760	0	0.5000		95.2	40.1	130				

Sample ID: 2207245-004CMS	Client ID:	Units: ug/L	Prep Date: 07/06/2022	Run No: 490860							
SampleType: MS	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 339193	Analysis Date: 07/11/2022	Seq No: 11446569							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	0.7182	0.30	1.000		71.8	45.1	127				
Heptachlor	0.9116	0.15	1.000		91.2	48.7	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339193

Sample ID: 2207245-004CMSD	Client ID:	Units: ug/L	Prep Date: 07/06/2022	Run No: 490701							
SampleType: MSD	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 339193	Analysis Date: 07/08/2022	Seq No: 11443291							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aldrin	0.8708	0.050	1.000		87.1	46	120	0.8736	0.321	20.3	
Dieldrin	1.023	0.10	1.000		102	45.5	120	1.061	3.59	18.8	
Endrin	1.044	0.10	1.000		104	56.3	131	1.068	2.24	33.4	
gamma-BHC	1.038	0.050	1.000		104	54.5	120	1.172	12.1	18.4	
Surr: Decachlorobiphenyl	0.2883	0	0.5000		57.7	27	130	0.2928	0	0	
Surr: Tetrachloro-m-xylene	0.4919	0	0.5000		98.4	40.1	130	0.4760	0	0	

Sample ID: 2207245-004CMSD	Client ID:	Units: ug/L	Prep Date: 07/06/2022	Run No: 490860							
SampleType: MSD	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 339193	Analysis Date: 07/11/2022	Seq No: 11446570							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	0.6607	0.30	1.000		66.1	45.1	127	0.7182	8.35	18.5	
Heptachlor	0.8070	0.15	1.000		80.7	48.7	120	0.9116	12.2	20.2	

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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339216

Sample ID: MB-339216	Client ID:	Units: mg/L	Prep Date: 07/07/2022	Run No: 490591							
SampleType: MBLK	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 339216	Analysis Date: 07/07/2022	Seq No: 11438016							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total

BRL 0.010

Sample ID: LCS-339216	Client ID:	Units: mg/L	Prep Date: 07/07/2022	Run No: 490591							
SampleType: LCS	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 339216	Analysis Date: 07/07/2022	Seq No: 11438019							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total

0.1100 0.010 0.1000 110 85 115

Sample ID: 2207087-003AMS	Client ID:	Units: mg/L	Prep Date: 07/07/2022	Run No: 490591							
SampleType: MS	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 339216	Analysis Date: 07/07/2022	Seq No: 11438023							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total

0.08700 0.010 0.1000 87.0 90 110 S

Sample ID: 2207288-001BMS	Client ID:	Units: mg/L	Prep Date: 07/07/2022	Run No: 490591							
SampleType: MS	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 339216	Analysis Date: 07/07/2022	Seq No: 11438057							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total

0.1160 0.010 0.1000 116 90 110 S

Sample ID: 2207087-003AMSD	Client ID:	Units: mg/L	Prep Date: 07/07/2022	Run No: 490591							
SampleType: MSD	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 339216	Analysis Date: 07/07/2022	Seq No: 11438024							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total

0.1020 0.010 0.1000 102 90 110 0.08700 15.9 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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339219

Sample ID: MB-339219	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: MBLK	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11443183							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1'-Biphenyl	BRL	10									
2,4,5-Trichlorophenol	BRL	25									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2,4-Dinitrotoluene	BRL	10									
2,6-Dinitrotoluene	BRL	10									
2-Chloronaphthalene	BRL	10									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
2-Nitroaniline	BRL	25									
2-Nitrophenol	BRL	10									
3,3'-Dichlorobenzidine	BRL	10									
3-Nitroaniline	BRL	25									
4,6-Dinitro-2-methylphenol	BRL	25									
4-Bromophenyl phenyl ether	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
4-Chloroaniline	BRL	10									
4-Chlorophenyl phenyl ether	BRL	10									
4-Methylphenol	BRL	10									
4-Nitroaniline	BRL	25									
4-Nitrophenol	BRL	25									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339219

Sample ID: MB-339219	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: MBLK	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11443183							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Anthracene	BRL	10									
Atrazine	BRL	10									
Benz(a)anthracene	BRL	10									
Benzaldehyde	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Bis(2-chloroethoxy)methane	BRL	10									
Bis(2-chloroethyl)ether	BRL	10									
Bis(2-chloroisopropyl)ether	BRL	10									
Bis(2-ethylhexyl)phthalate	BRL	10									
Butyl benzyl phthalate	BRL	10									
Caprolactam	BRL	10									
Carbazole	BRL	10									
Chrysene	BRL	10									
Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethyl phthalate	BRL	10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobenzene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339219

Sample ID: MB-339219	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: MBLK	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11443183							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Hexachloroethane	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isophorone	BRL	10									
N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiphenylamine	BRL	10									
Naphthalene	BRL	10									
Nitrobenzene	BRL	10									
Pentachlorophenol	BRL	25									
Phenanthrene	BRL	10									
Phenol	BRL	10									
Pyrene	BRL	10									
Surr: 2,4,6-Tribromophenol	108.5	0	100.0		108	46	135				
Surr: 2-Fluorobiphenyl	46.64	0	50.00		93.3	45	121				
Surr: 2-Fluorophenol	51.70	0	100.0		51.7	28.2	120				
Surr: 4-Terphenyl-d14	50.07	0	50.00		100	44	120				
Surr: Nitrobenzene-d5	41.93	0	50.00		83.9	41	123				
Surr: Phenol-d5	35.57	0	100.0		35.6	19.5	120				

Sample ID: MB-339219	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11446646							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1'-Biphenyl	BRL	10									
1,2,4,5-Tetrachlorobenzene	BRL	10									
1,2,4-Trichlorobenzene	BRL	10									
1,2-Dichlorobenzene	BRL	10									
1,2-Diphenylhydrazine	BRL	10									
1,3,5-Trinitrobenzene	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339219

Sample ID: MB-339219	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11446646

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,3-Dichlorobenzene	BRL	10									
1,3-Dinitrobenzene	BRL	20									
1,4-Dichlorobenzene	BRL	10									
1,4-Napthoquinone	BRL	10									
1-Chloronaphthalene	BRL	10									
1-Methylnaphthalene	BRL	10									
1-Naphthylamine	BRL	10									
2,2'-oxybis(1-Chloropropane)	BRL	10									
2,3,4,6-Tetrachlorophenol	BRL	10									
2,3-Dichloroaniline	BRL	10									N
2,4,5-Trichlorophenol	BRL	25									
2,4,6-Trichlorophenol	BRL	10									
2,4-Dichlorophenol	BRL	10									
2,4-Dimethylphenol	BRL	10									
2,4-Dinitrophenol	BRL	25									
2,4-Dinitrotoluene	BRL	10									
2,6-Dichlorophenol	BRL	10									
2,6-Dinitrotoluene	BRL	10									
2-Acetylaminofluorene	BRL	20									
2-Chloronaphthalene	BRL	10									
2-Chlorophenol	BRL	10									
2-Methylnaphthalene	BRL	10									
2-Methylphenol	BRL	10									
2-Naphthylamine	BRL	10									
2-Nitroaniline	BRL	50									
2-Nitrophenol	BRL	10									
2-Picoline	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339219

Sample ID: MB-339219	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11446646

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
3,3'-Dichlorobenzidine	BRL	20									
3,3'-Dimethoxybenzidine	BRL	10									N
3,3'-Dimethylbenzidine	BRL	20									
3,4-Methylphenol	BRL	10									
3-Chloroaniline	BRL	10									
3-Methylcholanthrene	BRL	10									
3-Methylphenol	BRL	10									
3-Nitroaniline	BRL	25									
4,6-Dinitro-2-methylphenol	BRL	25									
4-Aminobiphenyl	BRL	10									
4-Bromophenyl phenyl ether	BRL	10									
4-Chloro-3-methylphenol	BRL	10									
4-Chloroaniline	BRL	10									
4-Chlorophenyl phenyl ether	BRL	10									
4-Methylphenol	BRL	10									
4-Nitroaniline	BRL	25									
4-Nitrophenol	BRL	25									
4-Nitroquinoline,1-oxide	BRL	50									
5-Nitro-o-toluidine	BRL	10									
7,12-Dimethylbenz(a)anthracene	BRL	10									
a,a-Dimethylphenethylamine	BRL	50									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	BRL	10									
Allethrin	BRL	10									N
alpha-Terpineol	BRL	10									N
Aniline	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
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Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339219

Sample ID: MB-339219	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11446646							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Anthracene	BRL	10									
Aramite	BRL	10									
Atrazine	BRL	10									
Baygon	BRL	10									N
Benz(a)anthracene	BRL	10									
Benzaldehyde	BRL	10									
Benzidine	BRL	80									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Benzoic acid	BRL	100									
Benzyl alcohol	BRL	10									
Bis(2-chloroethoxy)methane	BRL	10									
Bis(2-chloroethyl)ether	BRL	10									
Bis(2-chloroisopropyl)ether	BRL	10									
Bis(2-ethylhexyl)phthalate	BRL	10									
Bis(chloromethyl) ether	BRL	100									N
Butyl benzyl phthalate	BRL	10									
Caprolactam	BRL	10									
Carbazole	BRL	10									
Chlorobenzilate	BRL	10									
Chloropyrifos	BRL	10									N
Chrysene	BRL	10									
Decane	BRL	10									N
Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339219

Sample ID: MB-339219	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11446646							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Diallate	BRL	10									
Diazinon	BRL	10									N
Dibenz(a,h)anthracene	BRL	10									
Dibenz(a,j)acridine	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethoate	BRL	20									
Dimethyl phthalate	BRL	10									
Dimethylaminoazobenzene	BRL	10									N
Diphenylamine	BRL	10									
Disulfoton	BRL	10									
Ethyl methanesulfonate	BRL	10									
Famphur	BRL	20									
Fenvalerate	BRL	10									N
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobenzene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	BRL	10									
Hexachloroethane	BRL	10									
Hexachlorophene	BRL	80									
Hexachloropropene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isodrin	BRL	10									
Isophorone	BRL	10									
Isosafrole	BRL	10									
Kepone	BRL	50									

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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339219

Sample ID: MB-339219	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11446646							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methapyrilene	BRL	20									
Methyl methanesulfonate	BRL	10									
Methyl parathion	BRL	10									
MGK-264	BRL	10									N
N-Nitrosodi-n-butylamine	BRL	10									
N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiethylamine	BRL	10									
N-Nitrosodimethylamine	BRL	10									
N-Nitrosodiphenylamine	BRL	10									
N-Nitrosomethylethylamine	BRL	10									
N-Nitrosomorpholine	BRL	10									
N-Nitrosopiperidine	BRL	10									
N-Nitrosopyrrolidine	BRL	40									
N-Octadecane	BRL	10									N
Naphthalene	BRL	10									
Nitrobenzene	BRL	10									
O,O,O-Triethyl phosphorothioate	BRL	10									
o-Toluidine	BRL	10									
p-Dimethylaminoazobenzene	BRL	10									
p-Phenylenediamine	BRL	500									
Parathion	BRL	10									
Pentachlorobenzene	BRL	10									
Pentachloronitrobenzene	BRL	10									
Pentachlorophenol	BRL	25									
Perylene	BRL	10									N
Phenacetin	BRL	10									
Phenanthrene	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
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Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339219

Sample ID: MB-339219	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11446646							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Phenol	BRL	10									
Phenothrin	BRL	10									N
Phorate	BRL	10									
Piperonyl Butoxide	BRL	10									N
Pronamide	BRL	10									
Pyrene	BRL	10									
Pyrethrin	BRL	50									N
Pyridine	BRL	10									
Resmethrin	BRL	10									N
Safrole	BRL	50									
Sym-Trinitrobenzene	BRL	10									
Tetraethyl dithiopyrophosphate	BRL	10									
Tetramethrin	BRL	10									N
Thionazin	BRL	10									
Surr: 2,4,6-Tribromophenol	108.5	0	100.0		108	46	135				
Surr: 2-Fluorobiphenyl	46.64	0	50.00		93.3	45	121				
Surr: 2-Fluorophenol	51.70	0	100.0		51.7	28.2	120				
Surr: 4-Terphenyl-d14	50.07	0	50.00		100	44	120				
Surr: Nitrobenzene-d5	41.93	0	50.00		83.9	41	123				
Surr: Phenol-d5	35.57	0	100.0		35.6	19.5	120				

Sample ID: MB-339219	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 491070							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 339219	Analysis Date: 07/12/2022	Seq No: 11450190							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Famphur	BRL	20									
Kepone	BRL	50									

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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339219

Sample ID: LCS-339219	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: LCS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11443184							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	93.48	10	100.0		93.5	58.4	129				
2-Chlorophenol	74.36	10	100.0		74.4	52.8	120				
4-Chloro-3-methylphenol	77.39	10	100.0		77.4	60.7	122				
4-Nitrophenol	34.25	25	100.0		34.2	20	120				
Acenaphthene	90.70	10	100.0		90.7	60	128				
N-Nitrosodi-n-propylamine	70.66	10	100.0		70.7	60.1	130				
Pentachlorophenol	73.69	25	100.0		73.7	47	126				
Phenol	34.77	10	100.0		34.8	21.1	120				
Pyrene	93.98	10	100.0		94.0	62.9	135				
Surr: 2,4,6-Tribromophenol	104.6	0	100.0		105	19.5	120				
Surr: 2-Fluorobiphenyl	54.55	0	50.00		109	45	121				
Surr: 2-Fluorophenol	48.60	0	100.0		48.6	28.2	120				
Surr: 4-Terphenyl-d14	50.40	0	50.00		101	44	120				
Surr: Nitrobenzene-d5	40.78	0	50.00		81.6	46	135				
Surr: Phenol-d5	33.65	0	100.0		33.6	41	123				S

Sample ID: LCS-339219	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: LCS	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11446647							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2,4-Trichlorobenzene	75.26	10	100.0		75.3	56.7	124				
1,4-Dichlorobenzene	74.03	10	100.0		74.0	48	124				
2,4-Dinitrotoluene	93.48	10	100.0		93.5	58.4	129				
2-Chlorophenol	74.36	10	100.0		74.4	52.8	120				
4-Chloro-3-methylphenol	77.39	10	100.0		77.4	60.7	122				
4-Nitrophenol	34.25	25	100.0		34.2	20	120				
Acenaphthene	90.70	10	100.0		90.7	60	128				
N-Nitrosodi-n-propylamine	70.66	10	100.0		70.7	60.1	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339219

Sample ID: LCS-339219	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: LCS	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11446647							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Pentachlorophenol	73.69	25	100.0		73.7	47	126				
Phenol	34.77	10	100.0		34.8	21.1	120				
Pyrene	93.98	10	100.0		94.0	62.9	135				
Surr: 2,4,6-Tribromophenol	104.6	0	100.0		105	19.5	120				
Surr: 2-Fluorobiphenyl	54.55	0	50.00		109	45	121				
Surr: 2-Fluorophenol	48.60	0	100.0		48.6	28.2	120				
Surr: 4-Terphenyl-d14	50.40	0	50.00		101	44	120				
Surr: Nitrobenzene-d5	40.78	0	50.00		81.6	46	135				
Surr: Phenol-d5	33.65	0	100.0		33.6	41	123				S

Sample ID: 2207322-003CMS	Client ID: GWC-12R	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: MS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11443186							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	91.80	10	100.0		91.8	45.1	120				
2-Chlorophenol	87.28	10	100.0		87.3	41.7	120				
4-Chloro-3-methylphenol	79.48	10	100.0		79.5	40	120				
4-Nitrophenol	51.05	25	100.0		51.0	23	120				
Acenaphthene	99.23	10	100.0		99.2	44.4	118				
N-Nitrosodi-n-propylamine	78.34	10	100.0		78.3	51	120				
Pentachlorophenol	78.62	25	100.0		78.6	41.1	125				
Phenol	42.36	10	100.0		42.4	22.1	120				
Pyrene	96.43	10	100.0		96.4	50.4	118				
Surr: 2,4,6-Tribromophenol	122.4	0	100.0		122	19.5	120				S
Surr: 2-Fluorobiphenyl	44.41	0	50.00		88.8	45	121				
Surr: 2-Fluorophenol	55.96	0	100.0		56.0	28.2	120				
Surr: 4-Terphenyl-d14	45.78	0	50.00		91.6	44	120				
Surr: Nitrobenzene-d5	43.29	0	50.00		86.6	46	135				

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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339219

Sample ID: 2207322-003CMS	Client ID: GWC-12R	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: MS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11443186							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: Phenol-d5	40.39	0	100.0		40.4	41	123				S
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Sample ID: 2207322-003CMS	Client ID: GWC-12R	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: MS	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11446649							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2,4-Trichlorobenzene	80.01	10	100.0		80.0	41.4	119				
1,4-Dichlorobenzene	79.29	10	100.0		79.3	40	120				
2,4-Dinitrotoluene	91.80	10	100.0		91.8	45.1	120				
2-Chlorophenol	87.28	10	100.0		87.3	41.7	120				
4-Chloro-3-methylphenol	79.48	10	100.0		79.5	40	120				
4-Nitrophenol	51.05	25	100.0		51.0	23	120				
Acenaphthene	99.23	10	100.0		99.2	44.4	118				
N-Nitrosodi-n-propylamine	78.34	10	100.0		78.3	51	120				
Pentachlorophenol	78.62	25	100.0		78.6	41.1	125				
Phenol	42.36	10	100.0		42.4	22.1	120				
Pyrene	96.43	10	100.0		96.4	50.4	118				
Surr: 2,4,6-Tribromophenol	122.4	0	100.0		122	19.5	120				S
Surr: 2-Fluorobiphenyl	44.41	0	50.00		88.8	45	121				
Surr: 2-Fluorophenol	55.96	0	100.0		56.0	28.2	120				
Surr: 4-Terphenyl-d14	45.78	0	50.00		91.6	44	120				
Surr: Nitrobenzene-d5	43.29	0	50.00		86.6	46	135				
Surr: Phenol-d5	40.39	0	100.0		40.4	41	123				S

Sample ID: 2207322-003CMSD	Client ID: GWC-12R	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: MSD	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11443187							
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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339219

Sample ID: 2207322-003CMSD	Client ID: GWC-12R	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: MSD	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11443187							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	102.0	10	100.0		102	45.1	120	91.80	10.6	29.5	
2-Chlorophenol	90.05	10	100.0		90.0	41.7	120	87.28	3.12	33.8	
4-Chloro-3-methylphenol	114.8	10	100.0		115	40	120	79.48	36.3	35	R
4-Nitrophenol	59.59	25	100.0		59.6	23	120	51.05	15.4	54.9	
Acenaphthene	103.1	10	100.0		103	44.4	118	99.23	3.84	27.9	
N-Nitrosodi-n-propylamine	87.76	10	100.0		87.8	51	120	78.34	11.3	29.5	
Pentachlorophenol	96.21	25	100.0		96.2	41.1	125	78.62	20.1	39.4	
Phenol	45.52	10	100.0		45.5	22.1	120	42.36	7.19	48.2	
Pyrene	91.70	10	100.0		91.7	50.4	118	96.43	5.03	27.2	
Surr: 2,4,6-Tribromophenol	108.4	0	100.0		108	19.5	120	122.4	0	0	
Surr: 2-Fluorobiphenyl	46.66	0	50.00		93.3	45	121	44.41	0	0	
Surr: 2-Fluorophenol	68.25	0	100.0		68.2	28.2	120	55.96	0	0	
Surr: 4-Terphenyl-d14	40.33	0	50.00		80.7	44	120	45.78	0	0	
Surr: Nitrobenzene-d5	42.89	0	50.00		85.8	46	135	43.29	0	0	
Surr: Phenol-d5	41.10	0	100.0		41.1	41	123	40.39	0	0	

Sample ID: 2207322-003CMSD	Client ID: GWC-12R	Units: ug/L	Prep Date: 07/07/2022	Run No: 490817							
SampleType: MSD	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 339219	Analysis Date: 07/08/2022	Seq No: 11446650							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2,4-Trichlorobenzene	83.95	10	100.0		84.0	41.4	119	80.01	4.81	31.3	
1,4-Dichlorobenzene	88.11	10	100.0		88.1	40	120	79.29	10.5	33	
2,4-Dinitrotoluene	102.0	10	100.0		102	45.1	120	91.80	10.6	29.5	
2-Chlorophenol	90.05	10	100.0		90.0	41.7	120	87.28	3.12	33.8	
4-Chloro-3-methylphenol	114.8	10	100.0		115	40	120	79.48	36.3	35	R
4-Nitrophenol	59.59	25	100.0		59.6	23	120	51.05	15.4	54.9	
Acenaphthene	103.1	10	100.0		103	44.4	118	99.23	3.84	27.9	
N-Nitrosodi-n-propylamine	87.76	10	100.0		87.8	51	120	78.34	11.3	29.5	

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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339219

Sample ID: **2207322-003CMSD** Client ID: **GWC-12R** Units: **ug/L** Prep Date: **07/07/2022** Run No: **490817**
 SampleType: **MSD** TestCode: **Semivolatile Org. Comp. by GC/MS SW8270E** BatchID: **339219** Analysis Date: **07/08/2022** Seq No: **11446650**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pentachlorophenol	96.21	25	100.0		96.2	41.1	125	78.62	20.1	39.4	
Phenol	45.52	10	100.0		45.5	22.1	120	42.36	7.19	48.2	
Pyrene	91.70	10	100.0		91.7	50.4	118	96.43	5.03	27.2	
Surr: 2,4,6-Tribromophenol	108.4	0	100.0		108	19.5	120	122.4	0	0	
Surr: 2-Fluorobiphenyl	46.66	0	50.00		93.3	45	121	44.41	0	0	
Surr: 2-Fluorophenol	68.25	0	100.0		68.2	28.2	120	55.96	0	0	
Surr: 4-Terphenyl-d14	40.33	0	50.00		80.7	44	120	45.78	0	0	
Surr: Nitrobenzene-d5	42.89	0	50.00		85.8	46	135	43.29	0	0	
Surr: Phenol-d5	41.10	0	100.0		41.1	41	123	40.39	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339220

Sample ID: MB-339220	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490844							
SampleType: MBLK	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	BatchID: 339220	Analysis Date: 07/09/2022	Seq No: 11444108							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-T	BRL	2.0									
2,4,5-TP (Silvex)	BRL	2.0									
2,4-D	BRL	2.0									
Dinoseb	BRL	5.0									
Pentachlorophenol	BRL	1.0									
Surr: DCAA	3.264	0	5.000		65.3	47	120				

Sample ID: LCS-339220	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490844							
SampleType: LCS	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	BatchID: 339220	Analysis Date: 07/09/2022	Seq No: 11444109							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-T	3.709	2.0	5.000		74.2	50.1	120				
2,4,5-TP (Silvex)	3.533	2.0	5.000		70.7	50.2	120				
2,4-D	3.202	2.0	5.000		64.0	50.1	120				
Surr: DCAA	3.716	0	5.000		74.3	47	120				

Sample ID: 2207322-003CMS	Client ID: GWC-12R	Units: ug/L	Prep Date: 07/07/2022	Run No: 490844							
SampleType: MS	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	BatchID: 339220	Analysis Date: 07/09/2022	Seq No: 11444106							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4,5-T	3.748	2.0	5.000		75.0	44.9	120				
2,4,5-TP (Silvex)	3.841	2.0	5.000		76.8	45.2	120				
2,4-D	4.482	2.0	5.000		89.6	40	120				
Surr: DCAA	5.522	0	5.000		110	47	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339220

Sample ID: **2207322-003CMSD** Client ID: **GWC-12R** Units: **ug/L** Prep Date: **07/07/2022** Run No: **490844**
 SampleType: **MSD** TestCode: **CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A** BatchID: **339220** Analysis Date: **07/09/2022** Seq No: **11444107**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2,4,5-T	3.204	2.0	5.000		64.1	44.9	120	3.748	15.6	24	
2,4,5-TP (Silvex)	3.217	2.0	5.000		64.3	45.2	120	3.841	17.7	18.9	
2,4-D	3.614	2.0	5.000		72.3	40	120	4.482	21.5	20.7	R
Surr: DCAA	4.743	0	5.000		94.9	47	120	5.522	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339235

Sample ID: MB-339235	Client ID:	Units: mg/L	Prep Date: 07/07/2022	Run No: 490836							
SampleType: MBLK	TestCode: METALS, DISSOLVED SW6010D	BatchID: 339235	Analysis Date: 07/11/2022	Seq No: 11443878							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	BRL	0.0100									
Barium	BRL	0.0200									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Lead	BRL	0.0100									
Nickel	BRL	0.0200									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: LCS-339235	Client ID:	Units: mg/L	Prep Date: 07/07/2022	Run No: 490836							
SampleType: LCS	TestCode: METALS, DISSOLVED SW6010D	BatchID: 339235	Analysis Date: 07/11/2022	Seq No: 11443881							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	1.050	0.0500	1.000		105	80	120				
Barium	0.9833	0.0200	1.000		98.3	80	120				
Cadmium	1.019	0.0050	1.000		102	80	120				
Chromium	0.9799	0.0100	1.000		98.0	80	120				
Lead	1.006	0.0100	1.000		101	80	120				
Nickel	1.014	0.0200	1.000		101	80	120				
Selenium	1.143	0.0200	1.000		114	80	120				
Silver	0.09948	0.0100	0.1000		99.5	80	120				
Zinc	1.068	0.0200	1.000		107	80	120				

Sample ID: 2207322-005EMS	Client ID: SWC-9	Units: mg/L	Prep Date: 07/07/2022	Run No: 490836							
SampleType: MS	TestCode: METALS, DISSOLVED SW6010D	BatchID: 339235	Analysis Date: 07/11/2022	Seq No: 11443883							
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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339235

Sample ID: 2207322-005EMS	Client ID: SWC-9	Units: mg/L	Prep Date: 07/07/2022	Run No: 490836							
SampleType: MS	TestCode: METALS, DISSOLVED SW6010D	BatchID: 339235	Analysis Date: 07/11/2022	Seq No: 11443883							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	1.051	0.0500	1.000		105	75	125				
Barium	0.9904	0.0200	1.000	0.01020	98.0	75	125				
Cadmium	1.009	0.0050	1.000		101	75	125				
Chromium	0.9792	0.0100	1.000	0.004780	97.4	75	125				
Lead	1.004	0.0100	1.000		100	75	125				
Nickel	0.9661	0.0200	1.000		96.6	75	125				
Selenium	1.145	0.0200	1.000		114	75	125				
Silver	0.09889	0.0100	0.1000		98.9	75	125				
Zinc	1.039	0.0200	1.000	0.01484	102	75	125				

Sample ID: 2207322-005EMSD	Client ID: SWC-9	Units: mg/L	Prep Date: 07/07/2022	Run No: 490836							
SampleType: MSD	TestCode: METALS, DISSOLVED SW6010D	BatchID: 339235	Analysis Date: 07/11/2022	Seq No: 11443884							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	1.053	0.0500	1.000		105	75	125	1.051	0.184	20	
Barium	0.9872	0.0200	1.000	0.01020	97.7	75	125	0.9904	0.329	20	
Cadmium	1.004	0.0050	1.000		100	75	125	1.009	0.572	20	
Chromium	0.9776	0.0100	1.000	0.004780	97.3	75	125	0.9792	0.164	20	
Lead	0.9970	0.0100	1.000		99.7	75	125	1.004	0.680	20	
Nickel	0.9664	0.0200	1.000		96.6	75	125	0.9661	0.035	20	
Selenium	1.161	0.0200	1.000		116	75	125	1.145	1.43	20	
Silver	0.09835	0.0100	0.1000		98.4	75	125	0.09889	0.548	20	
Zinc	1.032	0.0200	1.000	0.01484	102	75	125	1.039	0.680	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339245

Sample ID: MB-339245	Client ID:	Units: ug/L	Prep Date: 07/06/2022	Run No: 490708							
SampleType: MBLK	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 339245	Analysis Date: 07/08/2022	Seq No: 11445956							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	BRL	0.50									
Aroclor 1221	BRL	0.50									
Aroclor 1232	BRL	0.50									
Aroclor 1242	BRL	0.50									
Aroclor 1248	BRL	0.50									
Aroclor 1254	BRL	0.50									
Aroclor 1260	BRL	0.50									
Surr: Decachlorobiphenyl	0.4827	0	0.5000		96.5	31.4	126				
Surr: Tetrachloro-m-xylene	0.4538	0	0.5000		90.8	46.9	126				

Sample ID: LCS-339245	Client ID:	Units: ug/L	Prep Date: 07/06/2022	Run No: 490909							
SampleType: LCS	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 339245	Analysis Date: 07/12/2022	Seq No: 11446253							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	5.092	0.50	5.000		102	68.1	122				
Aroclor 1260	5.154	0.50	5.000		103	66.5	119				
Surr: Decachlorobiphenyl	0.4243	0	0.5000		84.9	31.4	126				
Surr: Tetrachloro-m-xylene	0.6356	0	0.5000		127	46.9	126				S

Sample ID: 2207322-003CMS	Client ID: GWC-12R	Units: ug/L	Prep Date: 07/06/2022	Run No: 490909							
SampleType: MS	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 339245	Analysis Date: 07/12/2022	Seq No: 11446251							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	7.880	0.50	5.000		158	57.1	131				S
Aroclor 1260	7.634	0.50	5.000		153	52.1	126				S
Surr: Decachlorobiphenyl	0.3892	0	0.5000		77.8	31.4	126				
Surr: Tetrachloro-m-xylene	1.040	0	0.5000		208	46.9	126				S

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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339245

Sample ID: 2207322-003CMSD	Client ID: GWC-12R	Units: ug/L	Prep Date: 07/06/2022	Run No: 490909
SampleType: MSD	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 339245	Analysis Date: 07/12/2022	Seq No: 11446252

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	9.300	0.50	5.000		186	57.1	131	7.880	16.5	21.9	S
Aroclor 1260	8.988	0.50	5.000		180	52.1	126	7.634	16.3	18.7	S
Surr: Decachlorobiphenyl	0.4409	0	0.5000		88.2	31.4	126	0.3892	0	0	
Surr: Tetrachloro-m-xylene	1.115	0	0.5000		223	46.9	126	1.040	0	0	S

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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339285

Sample ID: MB-339285	Client ID:	Units: mg/L	Prep Date: 07/08/2022	Run No: 490723							
SampleType: MBLK	TestCode: METALS, TOTAL SW6010D	BatchID: 339285	Analysis Date: 07/08/2022	Seq No: 11441232							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	BRL	0.0100									
Barium	BRL	0.0200									
Cadmium	BRL	0.0050									
Calcium	BRL	0.100									
Chromium	BRL	0.0100									
Lead	BRL	0.0100									
Magnesium	BRL	0.100									
Nickel	BRL	0.0200									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: LCS-339285	Client ID:	Units: mg/L	Prep Date: 07/08/2022	Run No: 490723							
SampleType: LCS	TestCode: METALS, TOTAL SW6010D	BatchID: 339285	Analysis Date: 07/08/2022	Seq No: 11441235							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	1.044	0.0500	1.000		104	80	120				
Barium	1.050	0.0200	1.000		105	80	120				
Cadmium	0.9939	0.0050	1.000		99.4	80	120				
Calcium	9.858	0.100	10.00		98.6	80	120				
Chromium	0.9806	0.0100	1.000		98.1	80	120				
Lead	0.9885	0.0100	1.000		98.8	80	120				
Magnesium	9.837	0.100	10.00		98.4	80	120				
Nickel	1.037	0.0200	1.000		104	80	120				
Selenium	0.9732	0.0200	1.000		97.3	80	120				
Silver	0.09909	0.0100	0.1000		99.1	80	120				
Zinc	1.011	0.0200	1.000		101	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339285

Sample ID: 2207322-005FMS	Client ID: SWC-9	Units: mg/L	Prep Date: 07/08/2022	Run No: 490723							
SampleType: MS	TestCode: METALS, TOTAL SW6010D	BatchID: 339285	Analysis Date: 07/08/2022	Seq No: 11441237							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	1.039	0.0500	1.000		104	75	125				
Barium	1.061	0.0200	1.000	0.01543	105	75	125				
Cadmium	0.9878	0.0050	1.000		98.8	75	125				
Calcium	11.45	0.100	10.00	1.594	98.5	75	125				
Chromium	0.9777	0.0100	1.000		97.8	75	125				
Lead	0.9831	0.0100	1.000		98.3	75	125				
Magnesium	10.51	0.100	10.00	0.8274	96.9	75	125				
Nickel	1.033	0.0200	1.000		103	75	125				
Selenium	0.9766	0.0200	1.000		97.7	75	125				
Silver	0.09847	0.0100	0.1000		98.5	75	125				
Zinc	1.003	0.0200	1.000		100	75	125				

Sample ID: 2207322-005FMSD	Client ID: SWC-9	Units: mg/L	Prep Date: 07/08/2022	Run No: 490723							
SampleType: MSD	TestCode: METALS, TOTAL SW6010D	BatchID: 339285	Analysis Date: 07/08/2022	Seq No: 11441238							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	1.038	0.0500	1.000		104	75	125	1.039	0.111	20	
Barium	1.057	0.0200	1.000	0.01543	104	75	125	1.061	0.384	20	
Cadmium	0.9865	0.0050	1.000		98.7	75	125	0.9878	0.136	20	
Calcium	11.41	0.100	10.00	1.594	98.2	75	125	11.45	0.317	20	
Chromium	0.9766	0.0100	1.000		97.7	75	125	0.9777	0.107	20	
Lead	0.9847	0.0100	1.000		98.5	75	125	0.9831	0.167	20	
Magnesium	10.55	0.100	10.00	0.8274	97.2	75	125	10.51	0.307	20	
Nickel	1.037	0.0200	1.000		104	75	125	1.033	0.371	20	
Selenium	0.9925	0.0200	1.000		99.3	75	125	0.9766	1.61	20	
Silver	0.09822	0.0100	0.1000		98.2	75	125	0.09847	0.254	20	
Zinc	1.004	0.0200	1.000		100	75	125	1.003	0.155	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339298

Sample ID: MB-339298	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490615							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 339298	Analysis Date: 07/07/2022	Seq No: 11438749							
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-Trichlorobenzene	BRL	1.0									
1,2,3-Trichloropropane	BRL	1.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2,4-Trimethylbenzene	BRL	1.0									
1,2-Dibromo-3-chloropropane	BRL	1.0									
1,2-Dibromoethane	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloroethene, Total	BRL	3.0									
1,2-Dichloropropane	BRL	1.0									
1,3,5-Trimethylbenzene	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,3-Dichloropropane	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
1,4-Dioxane	BRL	150									
2,2-Dichloropropane	BRL	2.0									
2-Butanone	BRL	10									
2-Chloroethyl vinyl ether	BRL	5.0									
2-Chlorotoluene	BRL	1.0									
2-Hexanone	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339298

Sample ID: MB-339298	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490615							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 339298	Analysis Date: 07/07/2022	Seq No: 11438749							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4-Chlorotoluene	BRL	1.0									
4-Isopropyltoluene	BRL	2.0									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Acrolein	BRL	5.0									
Acrylonitrile	BRL	5.0									
Benzene	BRL	1.0									
Bromobenzene	BRL	1.0									
Bromochloromethane	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									
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									
Cyclohexane	BRL	2.0									
Dibromochloromethane	BRL	1.0									
Dibromomethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Freon-113	BRL	5.0									
Hexachlorobutadiene	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339298

Sample ID: MB-339298	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490615							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 339298	Analysis Date: 07/07/2022	Seq No: 11438749							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Iodomethane	BRL	2.0									
Isopropylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
Methyl acetate	BRL	2.0									
Methyl tert-butyl ether	BRL	1.0									
Methylcyclohexane	BRL	2.0									
Methylene chloride	BRL	5.0									
n-Butylbenzene	BRL	1.0									
n-Propylbenzene	BRL	1.0									
Naphthalene	BRL	5.0									
o-Xylene	BRL	1.0									
sec-Butylbenzene	BRL	2.0									
Styrene	BRL	1.0									
tert-Butylbenzene	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	46.45	0	50.00		92.9	70	130				
Surr: Dibromofluoromethane	47.62	0	50.00		95.2	70	130				
Surr: Toluene-d8	49.23	0	50.00		98.5	70	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339298

Sample ID: MB-339298	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490615							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 339298	Analysis Date: 07/07/2022	Seq No: 11442329							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Acetonitrile	BRL	100									
Allyl Chloride	BRL	10									
Chloroprene	BRL	20									
Ethyl Methacrylate	BRL	10									
Isobutyl Alcohol	BRL	200									
Methyl Methacrylate	BRL	10									
Methylacrylonitrile	BRL	200									
Pentachloroethane	BRL	10									
Propionitrile	BRL	100									

Sample ID: LCS-339298	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490807							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 339298	Analysis Date: 07/09/2022	Seq No: 11443328							
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	18.97	1.0	20.00		94.8	70	130				
1,1,1-Trichloroethane	17.88	1.0	20.00		89.4	70	130				
1,1,2,2-Tetrachloroethane	22.42	1.0	20.00		112	70	130				
1,1,2-Trichloroethane	21.60	1.0	20.00		108	70	130				
1,1-Dichloroethane	17.69	1.0	20.00		88.4	70	130				
1,1-Dichloroethene	19.36	2.0	20.00		96.8	60	140				
1,1-Dichloropropene	20.26	1.0	20.00		101	70	130				
1,2,3-Trichlorobenzene	17.38	1.0	20.00		86.9	70	130				
1,2,3-Trichloropropane	21.41	1.0	20.00		107	70	130				
1,2,4-Trichlorobenzene	16.49	1.0	20.00		82.4	70	130				
1,2,4-Trimethylbenzene	18.33	1.0	20.00		91.6	70	130				
1,2-Dibromo-3-chloropropane	18.45	1.0	20.00		92.2	70	130				
1,2-Dibromoethane	21.46	1.0	20.00		107	70	130				
1,2-Dichlorobenzene	19.61	1.0	20.00		98.0	70	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339298

Sample ID: LCS-339298	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490807							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 339298	Analysis Date: 07/09/2022	Seq No: 11443328							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2-Dichloroethane	18.24	1.0	20.00		91.2	70	130				
1,2-Dichloroethene, Total	36.86	3.0	40.00		92.2	70	130				
1,2-Dichloropropane	18.47	1.0	20.00		92.4	70	130				
1,3,5-Trimethylbenzene	18.39	1.0	20.00		92.0	70	130				
1,3-Dichlorobenzene	19.32	1.0	20.00		96.6	70	130				
1,3-Dichloropropane	21.26	1.0	20.00		106	70	130				
1,4-Dichlorobenzene	19.87	1.0	20.00		99.4	70	130				
2,2-Dichloropropane	15.91	2.0	20.00		79.6	70	130				
2-Chlorotoluene	18.64	1.0	20.00		93.2	70	130				
4-Chlorotoluene	18.89	1.0	20.00		94.4	70	130				
4-Isopropyltoluene	18.31	2.0	20.00		91.6	70	130				
Benzene	18.97	1.0	20.00		94.8	70	130				
Bromobenzene	20.29	1.0	20.00		101	70	130				
Bromochloromethane	19.69	1.0	20.00		98.4	70	130				
Bromodichloromethane	17.97	1.0	20.00		89.8	70	130				
Bromoform	18.77	1.0	20.00		93.8	70	130				
Carbon tetrachloride	19.17	2.0	20.00		95.8	70	130				
Chlorobenzene	20.12	1.0	20.00		101	70	130				
Chloroform	18.46	1.0	20.00		92.3	70	130				
cis-1,2-Dichloroethene	18.34	1.0	20.00		91.7	70	130				
cis-1,3-Dichloropropene	19.16	1.0	20.00		95.8	70	130				
Dibromochloromethane	19.29	1.0	20.00		96.4	70	130				
Dibromomethane	20.14	1.0	20.00		101	70	130				
Ethylbenzene	19.11	1.0	20.00		95.6	70	130				
Hexachlorobutadiene	16.76	1.0	20.00		83.8	70	130				
Isopropylbenzene	18.14	1.0	20.00		90.7	70	130				
m,p-Xylene	39.54	1.0	40.00		98.8	70	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339298

Sample ID: LCS-339298	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490807							
SampleType: LCS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 339298	Analysis Date: 07/09/2022	Seq No: 11443328							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Methylene chloride	16.54	5.0	20.00		82.7	70	130				
n-Butylbenzene	17.85	1.0	20.00		89.2	70	130				
n-Propylbenzene	19.29	1.0	20.00		96.4	70	130				
Naphthalene	18.07	5.0	20.00		90.4	70	130				
o-Xylene	17.59	1.0	20.00		88.0	70	130				
sec-Butylbenzene	17.93	2.0	20.00		89.6	70	130				
Styrene	19.17	1.0	20.00		95.8	70	130				
tert-Butylbenzene	18.24	1.0	20.00		91.2	70	130				
Tetrachloroethene	20.68	1.0	20.00		103	70	130				
Toluene	19.70	1.0	20.00		98.5	70	130				
trans-1,2-Dichloroethene	18.52	2.0	20.00		92.6	70	130				
trans-1,3-Dichloropropene	18.35	2.0	20.00		91.8	70	130				
Trichloroethene	19.53	1.0	20.00		97.6	70	130				
Trichlorofluoromethane	20.84	1.0	20.00		104	70	130				
Vinyl chloride	16.80	1.0	20.00		84.0	70	130				
Xylenes, Total	57.13	1.0	60.00		95.2	70	130				
Surr: 4-Bromofluorobenzene	48.18	0	50.00		96.4	70	130				
Surr: Dibromofluoromethane	48.15	0	50.00		96.3	70	130				
Surr: Toluene-d8	50.17	0	50.00		100	70	130				

Sample ID: 2207358-004AMS	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490793							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 339298	Analysis Date: 07/11/2022	Seq No: 11443265							
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	20.75	1.0	20.00		104	73.2	139				
1,1,1-Trichloroethane	23.11	1.0	20.00		116	71	140				
1,1,2,2-Tetrachloroethane	20.43	1.0	20.00		102	68.4	135				
1,1,2-Trichloroethane	20.09	1.0	20.00		100	72.8	134				

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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339298

Sample ID: 2207358-004AMS	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490793							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 339298	Analysis Date: 07/11/2022	Seq No: 11443265							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethane	23.09	1.0	20.00		115	68	137				
1,1-Dichloroethene	18.68	2.0	20.00		93.4	67.6	143				
1,1-Dichloropropene	22.94	1.0	20.00		115	76.9	138				
1,2,3-Trichlorobenzene	18.26	1.0	20.00		91.3	60.2	138				
1,2,3-Trichloropropane	21.75	1.0	20.00		109	61.1	134				
1,2,4-Trichlorobenzene	18.53	1.0	20.00		92.6	60	138				
1,2,4-Trimethylbenzene	22.58	1.0	20.00		113	74.8	135				
1,2-Dibromo-3-chloropropane	19.78	1.0	20.00		98.9	56.5	134				
1,2-Dibromoethane	21.02	1.0	20.00		105	74.7	132				
1,2-Dichlorobenzene	20.81	1.0	20.00		104	73.2	134				
1,2-Dichloroethane	23.26	1.0	20.00		116	72.1	135				
1,2-Dichloroethene, Total	46.87	3.0	40.00	0.9300	115	69.6	139				
1,2-Dichloropropane	20.69	1.0	20.00		103	72	135				
1,3,5-Trimethylbenzene	21.94	1.0	20.00		110	73	137				
1,3-Dichlorobenzene	21.10	1.0	20.00		106	73	134				
1,3-Dichloropropane	21.35	1.0	20.00		107	73.1	132				
1,4-Dichlorobenzene	20.78	1.0	20.00		104	73	133				
2,2-Dichloropropane	20.32	2.0	20.00		102	55.4	139				
2-Chlorotoluene	21.55	1.0	20.00		108	71.5	132				
4-Chlorotoluene	22.19	1.0	20.00		111	71	135				
4-Isopropyltoluene	22.82	2.0	20.00		114	74.2	137				
Benzene	22.10	1.0	20.00		110	70.5	136				
Bromobenzene	20.51	1.0	20.00		103	72	136				
Bromochloromethane	21.56	1.0	20.00		108	71.2	133				
Bromodichloromethane	21.50	1.0	20.00		108	71.8	135				
Bromoform	22.02	1.0	20.00		110	57.2	136				
Carbon tetrachloride	22.74	2.0	20.00		114	72.4	144				

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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339298

Sample ID: 2207358-004AMS	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490793							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 339298	Analysis Date: 07/11/2022	Seq No: 11443265							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	20.91	1.0	20.00		105	77.1	133				
Chloroform	22.58	1.0	20.00		113	71.7	134				
cis-1,2-Dichloroethene	23.72	1.0	20.00	0.9300	114	71.4	136				
cis-1,3-Dichloropropene	21.62	1.0	20.00		108	68.3	131				
Dibromochloromethane	20.96	1.0	20.00		105	67.5	136				
Dibromomethane	20.73	1.0	20.00		104	72.6	134				
Ethylbenzene	22.36	1.0	20.00		112	70	134				
Hexachlorobutadiene	19.59	1.0	20.00		98.0	61.8	142				
Isopropylbenzene	21.60	1.0	20.00		108	72.3	136				
m,p-Xylene	45.92	1.0	40.00		115	66.3	138				
Methylene chloride	21.39	5.0	20.00		107	65.4	132				
n-Butylbenzene	22.55	1.0	20.00		113	71	138				
n-Propylbenzene	22.50	1.0	20.00		112	71.5	137				
Naphthalene	19.01	5.0	20.00		95.0	58.6	135				
o-Xylene	22.17	1.0	20.00		111	67.1	136				
sec-Butylbenzene	23.08	2.0	20.00		115	72.1	138				
Styrene	22.92	1.0	20.00		115	77.3	134				
tert-Butylbenzene	22.33	1.0	20.00		112	70.4	136				
Tetrachloroethene	22.60	1.0	20.00		113	72.9	141				
Toluene	21.80	1.0	20.00		109	66.4	140				
trans-1,2-Dichloroethene	23.15	2.0	20.00		116	69.7	138				
trans-1,3-Dichloropropene	21.22	2.0	20.00		106	65.2	130				
Trichloroethene	200.8	1.0	20.00	196.4	22.4	75.1	140				SE
Trichlorofluoromethane	20.81	1.0	20.00		104	70	130				
Vinyl chloride	19.82	1.0	20.00		99.1	60.7	145				
Xylenes, Total	68.09	1.0	60.00		113	65.4	138				
Surr: 4-Bromofluorobenzene	52.78	0	50.00		106	70	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339298

Sample ID: 2207358-004AMS	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490793							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 339298	Analysis Date: 07/11/2022	Seq No: 11443265							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: Dibromofluoromethane	50.61	0	50.00		101	70	130				
Surr: Toluene-d8	50.18	0	50.00		100	70	130				

Sample ID: 2207358-004ADUP	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490793							
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 339298	Analysis Date: 07/11/2022	Seq No: 11443262							
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						0	0	20	
1,1,1-Trichloroethane	BRL	1.0						0	0	20	
1,1,2,2-Tetrachloroethane	BRL	1.0						0	0	20	
1,1,2-Trichloroethane	BRL	1.0						0	0	20	
1,1-Dichloroethane	BRL	1.0						0	0	20	
1,1-Dichloroethene	BRL	2.0						0	0	20	
1,1-Dichloropropene	BRL	1.0						0	0	20	
1,2,3-Trichlorobenzene	BRL	1.0						0	0	20	
1,2,3-Trichloropropane	BRL	1.0						0	0	20	
1,2,4-Trichlorobenzene	BRL	1.0						0	0	20	
1,2,4-Trimethylbenzene	BRL	1.0						0	0	20	
1,2-Dibromo-3-chloropropane	BRL	1.0						0	0	20	
1,2-Dibromoethane	BRL	1.0						0	0	20	
1,2-Dichlorobenzene	BRL	1.0						0	0	20	
1,2-Dichloroethane	BRL	1.0						0	0	20	
1,2-Dichloroethene, Total	BRL	3.0						0.9300	0	20	
1,2-Dichloropropane	BRL	1.0						0	0	20	
1,3,5-Trimethylbenzene	BRL	1.0						0	0	20	
1,3-Dichlorobenzene	BRL	1.0						0	0	20	
1,3-Dichloropropane	BRL	1.0						0	0	20	
1,4-Dichlorobenzene	BRL	1.0						0	0	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339298

Sample ID: 2207358-004ADUP	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490793
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 339298	Analysis Date: 07/11/2022	Seq No: 11443262

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,4-Dioxane	BRL	150						0	0	20	
2,2-Dichloropropane	BRL	2.0						0	0	20	
2-Butanone	BRL	10						0	0	20	
2-Chloroethyl vinyl ether	BRL	5.0						0	0	20	
2-Chlorotoluene	BRL	1.0						0	0	20	
2-Hexanone	BRL	10						0	0	20	
4-Chlorotoluene	BRL	1.0						0	0	20	
4-Isopropyltoluene	BRL	2.0						0	0	20	
4-Methyl-2-pentanone	BRL	10						0	0	20	
Acetone	BRL	20						0	0	20	
Acrolein	BRL	5.0						0	0	20	
Acrylonitrile	BRL	5.0						0	0	20	
Benzene	BRL	1.0						0	0	20	
Bromobenzene	BRL	1.0						0	0	20	
Bromochloromethane	BRL	1.0						0	0	20	
Bromodichloromethane	BRL	1.0						0	0	20	
Bromoform	BRL	1.0						0	0	20	
Bromomethane	BRL	1.0						0	0	20	
Carbon disulfide	BRL	5.0						0	0	20	
Carbon tetrachloride	BRL	2.0						0	0	20	
Chlorobenzene	BRL	1.0						0	0	20	
Chloroethane	BRL	1.0						0	0	20	
Chloroform	BRL	1.0						0	0	20	
Chloromethane	BRL	1.0						0	0	20	
cis-1,2-Dichloroethene	1.020	1.0						0.9300	9.23	20	
cis-1,3-Dichloropropene	BRL	1.0						0	0	20	
Cyclohexane	BRL	2.0						0	0	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339298

Sample ID: 2207358-004ADUP	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490793							
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 339298	Analysis Date: 07/11/2022	Seq No: 11443262							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Dibromochloromethane	BRL	1.0						0	0	20	
Dibromomethane	BRL	1.0						0	0	20	
Dichlorodifluoromethane	BRL	1.0						0	0	20	
Ethylbenzene	BRL	1.0						0	0	20	
Freon-113	BRL	5.0						0	0	20	
Hexachlorobutadiene	BRL	1.0						0	0	20	
Iodomethane	BRL	2.0						0	0	20	
Isopropylbenzene	BRL	1.0						0	0	20	
m,p-Xylene	BRL	1.0						0	0	20	
Methyl acetate	BRL	2.0						0	0	20	
Methyl tert-butyl ether	BRL	1.0						0	0	20	
Methylcyclohexane	BRL	2.0						0	0	20	
Methylene chloride	BRL	5.0						0	0	20	
n-Butylbenzene	BRL	1.0						0	0	20	
n-Propylbenzene	BRL	1.0						0	0	20	
Naphthalene	BRL	5.0						0	0	20	
o-Xylene	BRL	1.0						0	0	20	
sec-Butylbenzene	BRL	2.0						0	0	20	
Styrene	BRL	1.0						0	0	20	
tert-Butylbenzene	BRL	1.0						0	0	20	
Tetrachloroethene	BRL	1.0						0	0	20	
Toluene	BRL	1.0						0	0	20	
trans-1,2-Dichloroethene	BRL	2.0						0	0	20	
trans-1,3-Dichloropropene	BRL	2.0						0	0	20	
trans-1,4-Dichloro-2-butene	BRL	10						0	0	20	
Trichloroethene	172.6	1.0						196.4	12.9	20	
Trichlorofluoromethane	BRL	1.0						0	0	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339298

Sample ID: 2207358-004ADUP	Client ID:	Units: ug/L	Prep Date: 07/07/2022	Run No: 490793
SampleType: DUP	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 339298	Analysis Date: 07/11/2022	Seq No: 11443262

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Vinyl acetate	BRL	10						0	0	20	
Vinyl chloride	BRL	1.0						0	0	20	
Xylenes, Total	BRL	1.0						0	0	20	
Surr: 4-Bromofluorobenzene	50.36	0	50.00		101	70	130	45.51	0	0	
Surr: Dibromofluoromethane	50.34	0	50.00		101	70	130	47.19	0	0	
Surr: Toluene-d8	49.96	0	50.00		99.9	70	130	48.44	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339355

Sample ID: MB-339355	Client ID:	Units: mg/L	Prep Date: 07/12/2022	Run No: 491153							
SampleType: MBLK	TestCode: Cyanide SW9014	BatchID: 339355	Analysis Date: 07/14/2022	Seq No: 11452467							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total BRL 0.010

Sample ID: LCS-339355	Client ID:	Units: mg/L	Prep Date: 07/12/2022	Run No: 491153							
SampleType: LCS	TestCode: Cyanide SW9014	BatchID: 339355	Analysis Date: 07/14/2022	Seq No: 11452468							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.2310 0.010 0.2500 92.4 85 115

Sample ID: 2207322-003EMS	Client ID: GWC-12R	Units: mg/L	Prep Date: 07/12/2022	Run No: 491153							
SampleType: MS	TestCode: Cyanide SW9014	BatchID: 339355	Analysis Date: 07/14/2022	Seq No: 11452470							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.1810 0.010 0.2500 72.4 70 130

Sample ID: 2207322-003EMSD	Client ID: GWC-12R	Units: mg/L	Prep Date: 07/12/2022	Run No: 491153							
SampleType: MSD	TestCode: Cyanide SW9014	BatchID: 339355	Analysis Date: 07/14/2022	Seq No: 11452471							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.2160 0.010 0.2500 86.4 70 130 0.1810 17.6 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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339374

Sample ID: MB-339374	Client ID:	Units: mg/L	Prep Date: 07/11/2022	Run No: 490972							
SampleType: MBLK	TestCode: APPENDIX I METALS SW6020B	BatchID: 339374	Analysis Date: 07/11/2022	Seq No: 11447585							
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	0.00300									
Cadmium	BRL	0.00500									
Chromium	BRL	0.0100									
Cobalt	BRL	0.0400									
Copper	BRL	0.0200									
Lead	BRL	0.0100									
Nickel	BRL	0.0200									
Selenium	BRL	0.0100									
Silver	BRL	0.00500									
Thallium	BRL	0.00200									
Vanadium	BRL	0.0200									
Zinc	BRL	0.0200									

Sample ID: MB-339374	Client ID:	Units: mg/L	Prep Date: 07/11/2022	Run No: 490973							
SampleType: MBLK	TestCode: APPENDIX II METALS SW6020B	BatchID: 339374	Analysis Date: 07/11/2022	Seq No: 11447707							
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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339374

Sample ID: MB-339374	Client ID:	Units: mg/L	Prep Date: 07/11/2022	Run No: 490973							
SampleType: MBLK	TestCode: APPENDIX II METALS SW6020B	BatchID: 339374	Analysis Date: 07/11/2022	Seq No: 11447707							
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-339374	Client ID:	Units: mg/L	Prep Date: 07/11/2022	Run No: 490972							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 339374	Analysis Date: 07/11/2022	Seq No: 11447586							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09996	0.00600	0.1000		100.0	80	120				
Arsenic	0.1004	0.0100	0.1000		100	80	120				
Barium	0.09920	0.0200	0.1000		99.2	80	120				
Beryllium	0.1024	0.00400	0.1000		102	80	120				
Cadmium	0.1034	0.00500	0.1000		103	80	120				
Chromium	0.1027	0.0200	0.1000		103	80	120				
Cobalt	0.1080	0.0500	0.1000		108	80	120				
Copper	0.1001	0.0200	0.1000		100	80	120				
Lead	0.1005	0.0100	0.1000		100	80	120				
Nickel	0.1061	0.0400	0.1000		106	80	120				
Selenium	0.09317	0.0500	0.1000		93.2	80	120				
Silver	0.01046	0.00500	0.0100		105	80	120				
Thallium	0.1059	0.00200	0.1000		106	80	120				
Vanadium	0.09858	0.0500	0.1000		98.6	80	120				
Zinc	0.09798	0.0200	0.1000		98.0	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339374

Sample ID: LCS-339374	Client ID:	Units: mg/L	Prep Date: 07/11/2022	Run No: 490973							
SampleType: LCS	TestCode: APPENDIX II METALS SW6020B	BatchID: 339374	Analysis Date: 07/11/2022	Seq No: 11447708							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09996	0.00600	0.1000		100.0	80	120				
Arsenic	0.1004	0.0100	0.1000		100	80	120				
Barium	0.09920	0.0200	0.1000		99.2	80	120				
Beryllium	0.1024	0.00400	0.1000		102	80	120				
Cadmium	0.1034	0.00500	0.1000		103	80	120				
Chromium	0.1027	0.0200	0.1000		103	80	120				
Cobalt	0.1080	0.0500	0.1000		108	80	120				
Copper	0.1001	0.0200	0.1000		100	80	120				
Lead	0.1005	0.0100	0.1000		100	80	120				
Nickel	0.1061	0.0400	0.1000		106	80	120				
Selenium	0.09317	0.0500	0.1000		93.2	80	120				
Silver	0.01046	0.00500	0.0100		105	80	120				
Thallium	0.1059	0.00200	0.1000		106	80	120				
Tin	0.09724	0.0400	0.1000		97.2	80	120				
Vanadium	0.09858	0.0500	0.1000		98.6	80	120				
Zinc	0.09798	0.0200	0.1000		98.0	80	120				

Sample ID: 2207322-001BMS	Client ID: GWC-6	Units: mg/L	Prep Date: 07/11/2022	Run No: 490972							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 339374	Analysis Date: 07/11/2022	Seq No: 11447593							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1071	0.00600	0.1000		107	75	125				
Arsenic	0.1059	0.0100	0.1000		106	75	125				
Barium	0.1844	0.0200	0.1000	0.06522	119	75	125				
Beryllium	0.1060	0.00400	0.1000		106	75	125				
Cadmium	0.09884	0.00500	0.1000		98.8	75	125				
Chromium	0.1132	0.0200	0.1000	0.002087	111	75	125				
Cobalt	0.1155	0.0500	0.1000	0.001240	114	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339374

Sample ID: 2207322-001BMS	Client ID: GWC-6	Units: mg/L	Prep Date: 07/11/2022	Run No: 490972							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 339374	Analysis Date: 07/11/2022	Seq No: 11447593							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper	0.1063	0.0200	0.1000		106	75	125				
Lead	0.1071	0.0100	0.1000		107	75	125				
Nickel	0.1133	0.0400	0.1000		113	75	125				
Selenium	0.09720	0.0500	0.1000		97.2	75	125				
Silver	0.01112	0.00500	0.0100		111	75	125				
Thallium	0.1144	0.00200	0.1000	0.0004778	114	75	125				
Vanadium	0.1054	0.0500	0.1000		105	75	125				
Zinc	0.1150	0.0200	0.1000	0.01277	102	75	125				

Sample ID: 2207322-001BMS	Client ID: GWC-6	Units: mg/L	Prep Date: 07/11/2022	Run No: 490973							
SampleType: MS	TestCode: APPENDIX II METALS SW6020B	BatchID: 339374	Analysis Date: 07/11/2022	Seq No: 11447710							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1071	0.00600	0.1000		107	75	125				
Arsenic	0.1059	0.0100	0.1000		106	75	125				
Barium	0.1844	0.0200	0.1000	0.06522	119	75	125				
Beryllium	0.1060	0.00400	0.1000		106	75	125				
Cadmium	0.09884	0.00500	0.1000		98.8	75	125				
Chromium	0.1132	0.0200	0.1000	0.002087	111	75	125				
Cobalt	0.1155	0.0500	0.1000	0.001240	114	75	125				
Copper	0.1063	0.0200	0.1000		106	75	125				
Lead	0.1071	0.0100	0.1000		107	75	125				
Nickel	0.1133	0.0400	0.1000		113	75	125				
Selenium	0.09720	0.0500	0.1000		97.2	75	125				
Silver	0.01112	0.00500	0.0100		111	75	125				
Thallium	0.1144	0.00200	0.1000	0.0004778	114	75	125				
Tin	0.1051	0.0400	0.1000		105	75	125				
Vanadium	0.1054	0.0500	0.1000		105	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339374

Sample ID: 2207322-001BMS	Client ID: GWC-6	Units: mg/L	Prep Date: 07/11/2022	Run No: 490973							
SampleType: MS	TestCode: APPENDIX II METALS SW6020B	BatchID: 339374	Analysis Date: 07/11/2022	Seq No: 11447710							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Zinc 0.1150 0.0200 0.1000 0.01277 102 75 125

Sample ID: 2207322-001BMSD	Client ID: GWC-6	Units: mg/L	Prep Date: 07/11/2022	Run No: 490972							
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 339374	Analysis Date: 07/11/2022	Seq No: 11447596							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09698	0.00600	0.1000		97.0	75	125	0.1071	9.91	20	
Arsenic	0.1038	0.0100	0.1000		104	75	125	0.1059	1.99	20	
Barium	0.1676	0.0200	0.1000	0.06522	102	75	125	0.1844	9.54	20	
Beryllium	0.1018	0.00400	0.1000		102	75	125	0.1060	4.04	20	
Cadmium	0.09873	0.00500	0.1000		98.7	75	125	0.09884	0.107	20	
Chromium	0.1094	0.0200	0.1000	0.002087	107	75	125	0.1132	3.41	20	
Cobalt	0.1080	0.0500	0.1000	0.001240	107	75	125	0.1155	6.67	20	
Copper	0.1009	0.0200	0.1000		101	75	125	0.1063	5.20	20	
Lead	0.09905	0.0100	0.1000		99.0	75	125	0.1071	7.79	20	
Nickel	0.1080	0.0400	0.1000		108	75	125	0.1133	4.73	20	
Selenium	0.09058	0.0500	0.1000		90.6	75	125	0.09720	7.05	20	
Silver	0.01058	0.00500	0.0100		106	75	125	0.01112	4.96	20	
Thallium	0.1092	0.00200	0.1000	0.0004778	109	75	125	0.1144	4.61	20	
Vanadium	0.09677	0.0500	0.1000		96.8	75	125	0.1054	8.59	20	
Zinc	0.1069	0.0200	0.1000	0.01277	94.1	75	125	0.1150	7.28	20	

Sample ID: 2207322-001BMSD	Client ID: GWC-6	Units: mg/L	Prep Date: 07/11/2022	Run No: 490973							
SampleType: MSD	TestCode: APPENDIX II METALS SW6020B	BatchID: 339374	Analysis Date: 07/11/2022	Seq No: 11447711							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09698	0.00600	0.1000		97.0	75	125	0.1071	9.91	20	
Arsenic	0.1038	0.0100	0.1000		104	75	125	0.1059	1.99	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339374

Sample ID: 2207322-001BMSD	Client ID: GWC-6	Units: mg/L	Prep Date: 07/11/2022	Run No: 490973
SampleType: MSD	TestCode: APPENDIX II METALS SW6020B	BatchID: 339374	Analysis Date: 07/11/2022	Seq No: 11447711

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Barium	0.1676	0.0200	0.1000	0.06522	102	75	125	0.1844	9.54	20	
Beryllium	0.1018	0.00400	0.1000		102	75	125	0.1060	4.04	20	
Cadmium	0.09873	0.00500	0.1000		98.7	75	125	0.09884	0.107	20	
Chromium	0.1094	0.0200	0.1000	0.002087	107	75	125	0.1132	3.41	20	
Cobalt	0.1080	0.0500	0.1000	0.001240	107	75	125	0.1155	6.67	20	
Copper	0.1009	0.0200	0.1000		101	75	125	0.1063	5.20	20	
Lead	0.09905	0.0100	0.1000		99.0	75	125	0.1071	7.79	20	
Nickel	0.1080	0.0400	0.1000		108	75	125	0.1133	4.73	20	
Selenium	0.09058	0.0500	0.1000		90.6	75	125	0.09720	7.05	20	
Silver	0.01058	0.00500	0.0100		106	75	125	0.01112	4.96	20	
Thallium	0.1092	0.00200	0.1000	0.0004778	109	75	125	0.1144	4.61	20	
Tin	0.09612	0.0400	0.1000		96.1	75	125	0.1051	8.91	20	
Vanadium	0.09677	0.0500	0.1000		96.8	75	125	0.1054	8.59	20	
Zinc	0.1069	0.0200	0.1000	0.01277	94.1	75	125	0.1150	7.28	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339409

Sample ID: MB-339409	Client ID:	Units: mg/L	Prep Date: 07/11/2022	Run No: 490828							
SampleType: MBLK	TestCode: Mercury, Total SW7470A	BatchID: 339409	Analysis Date: 07/11/2022	Seq No: 11444847							
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-339409	Client ID:	Units: mg/L	Prep Date: 07/11/2022	Run No: 490828							
SampleType: LCS	TestCode: Mercury, Total SW7470A	BatchID: 339409	Analysis Date: 07/11/2022	Seq No: 11444849							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.003846 0.00020 0.0040 96.2 80 120

Sample ID: 2207245-001AMS	Client ID:	Units: mg/L	Prep Date: 07/11/2022	Run No: 490828							
SampleType: MS	TestCode: Mercury, Total SW7470A	BatchID: 339409	Analysis Date: 07/11/2022	Seq No: 11444853							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004800 0.00020 0.0040 120 75 125

Sample ID: 2207245-001AMSD	Client ID:	Units: mg/L	Prep Date: 07/11/2022	Run No: 490828							
SampleType: MSD	TestCode: Mercury, Total SW7470A	BatchID: 339409	Analysis Date: 07/11/2022	Seq No: 11444854							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004778 0.00020 0.0040 119 75 125 0.004800 0.459 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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339422

Sample ID: MB-339422	Client ID:	Units: ug/L	Prep Date: 07/08/2022	Run No: 490787							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 339422	Analysis Date: 07/08/2022	Seq No: 11442628							
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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339422

Sample ID: MB-339422	Client ID:	Units: ug/L	Prep Date: 07/08/2022	Run No: 490787							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 339422	Analysis Date: 07/08/2022	Seq No: 11442628							
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									
m,p-Xylene	BRL	10									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	10									
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	46.05	0	50.00		92.1	75	118				
Surr: Dibromofluoromethane	45.72	0	50.00		91.4	82.5	121				
Surr: Toluene-d8	48.29	0	50.00		96.6	78.3	118				

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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339422

Sample ID: LCS-339422	Client ID:	Units: ug/L	Prep Date: 07/08/2022	Run No: 490787							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 339422	Analysis Date: 07/08/2022	Seq No: 11442629							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	19.35	5.0	20.00		96.8	71	130				
Benzene	19.91	5.0	20.00		99.6	80.4	126				
Chlorobenzene	21.67	5.0	20.00		108	81	120				
Toluene	21.23	5.0	20.00		106	79.2	124				
Trichloroethene	21.43	5.0	20.00		107	78.4	125				
Surr: 4-Bromofluorobenzene	47.69	0	50.00		95.4	75	118				
Surr: Dibromofluoromethane	46.52	0	50.00		93.0	82.5	121				
Surr: Toluene-d8	49.76	0	50.00		99.5	78.3	118				

Sample ID: 2207286-002AMS	Client ID:	Units: ug/L	Prep Date: 07/08/2022	Run No: 490787							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 339422	Analysis Date: 07/09/2022	Seq No: 11442638							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	188.0	50	200.0		94.0	67.6	143				
Benzene	185.0	50	200.0		92.5	70.5	136				
Chlorobenzene	196.1	50	200.0		98.0	77.1	133				
Toluene	190.2	50	200.0		95.1	66.4	140				
Trichloroethene	438.1	50	200.0	242.9	97.6	75.1	140				
Surr: 4-Bromofluorobenzene	475.8	0	500.0		95.2	75	118				
Surr: Dibromofluoromethane	485.1	0	500.0		97.0	82.5	121				
Surr: Toluene-d8	502.1	0	500.0		100	78.3	118				

Sample ID: 2207286-002AMSD	Client ID:	Units: ug/L	Prep Date: 07/08/2022	Run No: 490787							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 339422	Analysis Date: 07/09/2022	Seq No: 11442639							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	180.0	50	200.0		90.0	67.6	143	188.0	4.35	19.6	
Benzene	180.3	50	200.0		90.2	70.5	136	185.0	2.57	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339422

Sample ID: 2207286-002AMSD	Client ID:	Units: ug/L	Prep Date: 07/08/2022	Run No: 490787							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 339422	Analysis Date: 07/09/2022	Seq No: 11442639							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	191.0	50	200.0		95.5	77.1	133	196.1	2.63	20	
Toluene	185.3	50	200.0		92.6	66.4	140	190.2	2.61	20	
Trichloroethene	431.4	50	200.0	242.9	94.2	75.1	140	438.1	1.54	20	
Surr: 4-Bromofluorobenzene	482.0	0	500.0		96.4	75	118	475.8	0	0	
Surr: Dibromofluoromethane	480.4	0	500.0		96.1	82.5	121	485.1	0	0	
Surr: Toluene-d8	507.9	0	500.0		102	78.3	118	502.1	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339429

Sample ID: MB-339429	Client ID:	Units: ug/L	Prep Date: 07/11/2022	Run No: 490956							
SampleType: MBLK	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 339429	Analysis Date: 07/11/2022	Seq No: 11447143							
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	4.950	0	5.000		99.0	69.7	138				

Sample ID: LCS-339429	Client ID:	Units: ug/L	Prep Date: 07/11/2022	Run No: 490956							
SampleType: LCS	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 339429	Analysis Date: 07/11/2022	Seq No: 11447144							
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	0.1030	0.040	0.1000		103	60	140				
1,2-Dibromoethane	0.1110	0.020	0.1000		111	60	140				
Surr: 4-Bromofluorobenzene	4.580	0	5.000		91.6	69.7	138				

Sample ID: LCSD-339429	Client ID:	Units: ug/L	Prep Date: 07/11/2022	Run No: 490956							
SampleType: LCSD	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 339429	Analysis Date: 07/11/2022	Seq No: 11447145							
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	0.1070	0.040	0.1000		107	60	140	0.1030	3.81	15	
1,2-Dibromoethane	0.1090	0.020	0.1000		109	60	140	0.1110	1.82	16.7	
Surr: 4-Bromofluorobenzene	4.740	0	5.000		94.8	69.7	138	4.580	0	0	

Sample ID: 2207322-003DMS	Client ID: GWC-12R	Units: ug/L	Prep Date: 07/11/2022	Run No: 490956							
SampleType: MS	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 339429	Analysis Date: 07/11/2022	Seq No: 11447148							
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	0.1468	0.040	0.1005		146	67.9	135				S
1,2-Dibromoethane	0.1025	0.020	0.1005		102	67.7	130				
Surr: 4-Bromofluorobenzene	4.826	0	5.026		96.0	69.7	138				

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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: 339429

Sample ID: 2207834-004ADUP	Client ID:	Units: ug/L	Prep Date: 07/12/2022	Run No: 490956							
SampleType: DUP	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 339429	Analysis Date: 07/13/2022	Seq No: 11449252							
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	0.041						0	0	0	
1,2-Dibromoethane	BRL	0.020						0	0	37.8	
Surr: 4-Bromofluorobenzene	5.186	0	5.080		102	69.7	138	3.891	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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: R490671

Sample ID: MB-R490671	Client ID:	Units: mg/L	Prep Date:	Run No: 490671							
SampleType: MBLK	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R490671	Analysis Date: 07/08/2022	Seq No: 11439715							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand BRL 10.0

Sample ID: LCS-R490671	Client ID:	Units: mg/L	Prep Date:	Run No: 490671							
SampleType: LCS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R490671	Analysis Date: 07/08/2022	Seq No: 11439716							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 496.1 10.0 500.0 99.2 90 110

Sample ID: 2207281-002AMS	Client ID:	Units: mg/L	Prep Date:	Run No: 490671							
SampleType: MS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R490671	Analysis Date: 07/08/2022	Seq No: 11439718							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 504.9 12.5 375.0 132.0 99.4 90 110

Sample ID: 2207647-001CMS	Client ID:	Units: mg/L	Prep Date:	Run No: 490671							
SampleType: MS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R490671	Analysis Date: 07/08/2022	Seq No: 11439731							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 427.1 12.5 375.0 46.76 101 90 110

Sample ID: 2207281-002AMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 490671							
SampleType: MSD	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R490671	Analysis Date: 07/08/2022	Seq No: 11439719							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 510.6 12.5 375.0 132.0 101 90 110 504.9 1.13 30

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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: R490727

Sample ID: MB-R490727	Client ID:	Units: mg/L	Prep Date:	Run No: 490727							
SampleType: MBLK	TestCode: Inorganic Anions by IC E300.0	BatchID: R490727	Analysis Date: 07/08/2022	Seq No: 11441414							
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
 Sulfate BRL 1.00

Sample ID: LCS-R490727	Client ID:	Units: mg/L	Prep Date:	Run No: 490727							
SampleType: LCS	TestCode: Inorganic Anions by IC E300.0	BatchID: R490727	Analysis Date: 07/08/2022	Seq No: 11441413							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 10.34 1.00 10.00 103 90 110
 Sulfate 25.62 1.00 25.00 102 90 110

Sample ID: 2207073-001BMS	Client ID:	Units: mg/L	Prep Date:	Run No: 490727							
SampleType: MS	TestCode: Inorganic Anions by IC E300.0	BatchID: R490727	Analysis Date: 07/08/2022	Seq No: 11441439							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 9.685 1.00 10.00 96.8 90 110
 Sulfate 25.65 1.00 25.00 103 90 110

Sample ID: 2207073-002BMS	Client ID:	Units: mg/L	Prep Date:	Run No: 490727							
SampleType: MS	TestCode: Inorganic Anions by IC E300.0	BatchID: R490727	Analysis Date: 07/08/2022	Seq No: 11441441							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 9.775 1.00 10.00 97.7 90 110
 Sulfate 25.75 1.00 25.00 103 90 110

Sample ID: 2207073-001BMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 490727							
SampleType: MSD	TestCode: Inorganic Anions by IC E300.0	BatchID: R490727	Analysis Date: 07/08/2022	Seq No: 11441440							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 9.738 1.00 10.00 97.4 90 110 9.685 0.546 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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: R490727

Sample ID: 2207073-001BMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 490727							
SampleType: MSD	TestCode: Inorganic Anions by IC E300.0	BatchID: R490727	Analysis Date: 07/08/2022	Seq No: 11441440							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfate	25.73	1.00	25.00		103	90	110	25.65	0.310	20	
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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 MOU Assistance
Workorder: 2207322

ANALYTICAL QC SUMMARY REPORT

BatchID: R490862

Sample ID: MB-R490862	Client ID:	Units: mg/L	Prep Date:	Run No: 490862							
SampleType: MBLK	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R490862	Analysis Date: 07/11/2022	Seq No: 11444968							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

BRL 1.00

Sample ID: LCS-R490862	Client ID:	Units: mg/L	Prep Date:	Run No: 490862							
SampleType: LCS	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R490862	Analysis Date: 07/11/2022	Seq No: 11444965							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

24.03 1.00 25.00 96.1 85 115

Sample ID: 2207292-003HMS	Client ID:	Units: mg/L	Prep Date:	Run No: 490862							
SampleType: MS	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R490862	Analysis Date: 07/11/2022	Seq No: 11444972							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

26.77 1.00 25.00 1.392 102 85 115

Sample ID: 2207292-003HMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 490862							
SampleType: MSD	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R490862	Analysis Date: 07/11/2022	Seq No: 11444973							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

26.22 1.00 25.00 1.392 99.3 85 115 26.77 2.08 15

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