



1150 Northmeadow Parkway
Suite 100
Roswell, GA 30076
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December 6, 2021

Transmitted via FedEx
Tracking: 775398658018

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 2021 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 2021 sampling event for the purpose of quality assurance (QA) of sampling procedures and collection of QA split samples for Forsyth County comparison. The sampling event occurred the week of July 5, 2021. ACC's field representative, geologist Taylor Goble, was present to complete QA activities on July 6, 2021. He met with Environmental Monitoring Services, LLC (EMS), the subcontracted sampling team of Advanced Disposal Services¹, 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 (3) groundwater wells, GWC-6, GWC-9, and GWC-12R, one (1) surface water location, SWC-9, and one (1) 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 conclusions.

Sampling Protocol/Techniques

Below is a summary of the sampling protocol and techniques used by EPL'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 unit (NTU) was achieved prior to sampling.

¹ Eagle Point Landfill has transitioned to new ownership, GFL Environmental. GFL Environmental has purchased several assets from Advanced Disposal Services including the Eagle Point Landfill. The sale was completed in October 2020.

- 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 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 EPL's samples were submitted to Pace Analytical Services, Inc. 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 (EPA², 1996). As summarized in Table 1, groundwater samples collected for metals analysis were all collected at turbidity readings less than 10 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 7 NTU at surface water point SWC-9 and 4 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 is provided in Table 3. As summarized in Table 3, there were detections of arsenic and barium in the sample.

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

² 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.

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 summarized on Table 1. The laboratory results indicate that there were detections of barium, cobalt, nickel, and/or zinc in the groundwater samples, as well as a detection of benzene in the sample from GWC-12R. Detected concentrations were below U.S. EPA Maximum Contaminant Levels (MCLs). There is no established EPA MCL for cobalt or zinc. For reference, the zinc concentrations on Table 5 were compared to the National Secondary Drinking Water Standard.

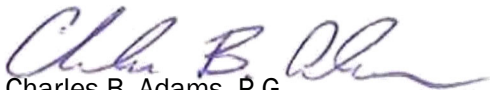
Summary and Recommendations

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 EPL data. If requested, ACC is available to review the facility's Design & Operation Groundwater Monitoring Plan (GWMP) corrective action plans, assessment monitoring plans, or other sampling and analysis plans specific to EPL to determine if the observed sampling event is compliant with applicable permit requirements.

ACC recommends QA split laboratory analysis for approximately 10 percent of the total samples (three groundwater, one underdrain, and one surface water) during the next sampling event scheduled for completion in January 2022.

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 2021 Sampling Event

Well ID	pH (S.U.)	Specific Conductance (μS/cm)	Temperature ($^{\circ}$C)	Turbidity (NTU)
GWC-6	5.54	76	21.7	0
GWC-9	4.62	547	21.0	2
GWC-12R	5.85	730	19.8	3

Notes: Groundwater samples collected July 6, 2021.

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 2021 Sampling Event

Location	Chloride (mg/L)	TOC (mg/L)
SWC-9	2.22	1.05

Location	pH (S.U.)	Specific Conductance (μ S/cm)	Temperature ($^{\circ}$ C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
SWC-9	6.58	33	25.1	7	9.1

Notes: Surface water sampled July 6, 2021.

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 2021 Sampling Event

Location	Arsenic (mg/L)	Barium (mg/L)
SWC-5	0.0431	0.0462

Location	pH (S.U.)	Specific Conductance (μS/cm)	Temperature (°C)	Turbidity (NTU)
SWC-5	6.08	229	23.3	4

Notes: Underdrain sampled July 6, 2021.

Acronyms: °C = Degrees Celsius
 mg/L = milligrams per liter
 μS/cm = microSiemens/centimeter

NTU = Nephelometric Turbidity Units
 S.U. = Standard Units

Table 4
Summary of Laboratory Analysis and Sample Method
Eagle Point Landfill Forsyth County, Georgia
July 2021 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 6, 2021.
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 2021 Sampling Event

Well ID	Benzene (µg/L)	Barium (mg/L)	Cobalt (mg/L)	Nickel (mg/L)	Zinc (mg/L)
GWC-6	--	0.0762	--	--	--
GWC-9	--	0.310	0.124	--	0.0931
GWC-12R	3.1	0.111	0.111	0.0246	--
MCL	5	2	NE	0.1*	5**

Notes: Samples collected July 6, 2021.

A dash (-) = below laboratory reporting limit.

Bold & shaded cells are above the MCL.

* Georgia MCL Rule 391-3-5-.18.

** National Secondary Drinking Water Regulation

Acronyms: MCL = Maximum Contaminant Level

mg/L = milligrams per liter

µg/L = micrograms per liter

NE = not established

ATTACHMENTS



ATTACHMENT A
Field Sampling Logs



Job Name: Eagle Point Landfill

Job No. G020-117 Well No. GWC-6

Sampled By: Nick Walker

Sampling Date 7-6-21 Sheet No. 1 of 1

Begin Purging 7-6-21 / 1022
Date / Time

Completed Purging 7-6-21 / 1042
Date / Time

Water Level 25.42 Ft BTOC

Well Depth: 37.54 Ft BTOC Well Dia. 2 In.

Standing Water Column (H) 12.12 Ft.

Casing Type PVC Screen Length 10 Ft.

Standing Well Volume 1.98 Gal.

Purging Device Perc Pump

Purge Volume Removed 1.12 Gal.

Tubing Type Teflon

Time	Water Level (BTOC)	Field Parameters						Remarks
		pH (s.u.)	Spec. Cond. (µS/cm)	DO (mg/L)	eH/ORP (mV)	Temp. (°C)	Turbidity (NTU)	
1026	25.72	5.53	86	1.83	178	21.4	1	
1030	25.72	5.53	79	1.05	176	21.3	1	
1034	25.72	5.52	76	0.64	169	21.4	1	
1038	25.77	5.53	76	0.66	165	21.9	1	
1042	25.77	5.54	76	0.55	163	21.7	0	

Final Sample Parameters

1042	25.77	5.54	76	0.55	163	21.7	0	
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Sample Appearance Clear Odor? None Color None

Comments 210 ml/min OLEL
21 L/min

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

Job Name: Eagle Point Landfill

Job No. G020-117 Well No. GWC-9

Sampled By: Nick Walker

Sampling Date 7-6-21 Sheet No. 1 of 1

Begin Purging 7-6-21 / 1120
Date / Time

Completed Purging 7-6-21 / 1136
Date / Time

Water Level 15.49 Ft BTOC

Well Depth: 24.35 Ft BTOC Well Dia. 2 In.

Standing Water Column (H) 8.86 Ft.

Casing Type PVC Screen Length 10 Ft.

Standing Well Volume 1.45 Gal.

Purging Device Perc Pump

Purge Volume Removed 0.85 Gal.

Tubing Type Teflon

Time	Water Level (BTOC)	Field Parameters						Remarks
		pH (s.u.)	Spec. Cond. (µS/cm)	DO (mg/L)	eH/ORP (mV)	Temp. (°C)	Turbidity (NTU)	
1124	15.76	4.55	546	0.84	208	20.5	1	
1128	15.76	4.59	546	0.46	203	20.1	2	
1132	15.76	4.58	548	0.34	200	21.1	1	
1136	15.76	4.62	547	0.30	198	21.0	2	

Final Sample Parameters

1136	15.76	4.62	547	0.30	198	21.0	2	
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Sample Appearance Clear Odor? None Color None

Comments 200 ml/min OLEL
.20 L/min

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

Job Name: Eagle Point Landfill

Job No. G020-117 Well No. GWC-12A

Sampled By: Nick Walker

Sampling Date 7-6-21 Sheet No. 1 of 1

Begin Purging 7-6-21 / 1203
Date / Time

Completed Purging 7-6-21 / 1219
Date / Time

Water Level 9.03 Ft BTOC

Well Depth: 29.79 Ft BTOC Well Dia. 2 In.

Standing Water Column (H) 20.76 Ft.

Casing Type PVC Screen Length 10 Ft.

Standing Well Volume 3.40 Gal.

Purging Device Peris Pump

Purge Volume Removed 1.01 Gal.

Tubing Type Teflon

Time	Water Level (BTOC)	Field Parameters						Remarks
		pH (s.u.)	Spec. Cond. (µS/cm)	DO (mg/L)	eH/ORP (mV)	Temp. (°C)	Turbidity (NTU)	
1207	9.69	5.82	724	0.44	170	19.2	1	
1211	9.69	5.82	724	0.36	164	20.0	4	
1215	9.69	5.81	731	0.27	159	19.8	3	
1219	9.69	5.85	730	0.25	158	19.8	3	

Final Sample Parameters

1219	9.69	5.85	730	0.25	158	19.8	3	
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Sample Appearance Clear Odor? None Color None

Comments 240ml/min OLEL
0.24 L/min

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

Job Name: Eagle Point Landfill

Job No. G020-117 Well No. SWC-9

Sampled By: Nick Walker

Sampling Date 7-6-21 Sheet No. 1 of 1

Begin Purging /
Date / Time

Completed Purging /
Date / Time

Water Level Ft BTOC

Well Depth: Ft BTOC Well Dia. In.

Standing Water Column (H) Ft.

Casing Type PVC Screen Length 10 Ft.

Standing Well Volume Gal.

Purging Device

Purge Volume Removed Gal.

Tubing Type Teflon

Time	Water Level (BTOC)	Field Parameters						Remarks
		pH (s.u.)	Spec. Cond. (µS/cm)	DO (mg/L)	eH/ORP (mV)	Temp. (°C)	Turbidity (NTU)	

Final Sample Parameters

1420	-	6.58	33	9.10	-	25.1	7	
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Sample Appearance Clear Odor? None Color None

Comments _____

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

ATTACHMENT B
Laboratory Report





ANALYTICAL ENVIRONMENTAL SERVICES, INC.

July 16, 2021

Charles Adams
Atlantic Coast Consulting, Inc.

1150 Northmeadow Pkwy
Roswell GA 30076

RE: Forsyth County MOU Assistance

Dear Charles Adams:

Order No: 2107466

Analytical Environmental Services, Inc. received 6 samples on 7/7/2021 9:08:00 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 07/01/21-06/30/22.

State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective through 06/30/22 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 11/01/21.

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,

Jessica Shilling
Project Manager

CHAIN OF CUSTODY

COMPANY: <u>Atlantic Coast Consulting, Inc.</u>		ADDRESS: <u>1150 Northmeadow Parkway Suite 100 Roswell, GA, 30076</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>770-594-5994</u>		EMAIL: <u>charles.adams@atlcc.net</u>			Chloride Cyanide Metals - Hg, Se COD TOC Dissolved Metals App 1 VOCs App 1 Metals	PRESERVATION (see codes)												
SAMPLED BY: <u>T. Goble/N. Walker</u>		SIGNATURE: <u>Taylor Goble</u>																
#	SAMPLE ID	SAMPLED:		GRAB	COMPOSITE	MATRIX (see codes)									REMARKS			
		DATE	TIME															
1	<u>SWC-5</u>	<u>7-6-21</u>	<u>1337</u>	<input checked="" type="checkbox"/>		<u>SW</u>												
2	<u>SWC-9</u>	<u>7-6-21</u>	<u>1420</u>	<input checked="" type="checkbox"/>		<u>SW</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
3																		
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14																		

RELINQUISHED BY: <u>Taylor Goble</u>		DATE/TIME: <u>7-7-21/0908</u>		RECEIVED BY: <u>Yadit Mazengia</u>		DATE/TIME: <u>7/7/21 09:08A</u>		PROJECT INFORMATION				RECEIPT	
1.				2.		3.		PROJECT NAME: <u>Forsyth County MOV Assistance</u>				Total # of Containers: <u>10</u>	
2.				3.				PROJECT #:				Turnaround Time (TAT) Request in Business Days	
3.								SITE ADDRESS:				<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 4-Day Rush* <input type="checkbox"/> 3-Day Rush* <input type="checkbox"/> 2-Day Rush* <input type="checkbox"/> Next Day Rush* <input type="checkbox"/> Other <input type="checkbox"/> Same-Day Rush*(auth req.)	
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD				SEND REPORT TO: <u>charles.adams@atlcc.net</u>				*Surcharges apply for Rush TAT	
				OUT: / /		VIA:		INVOICE TO (IF DIFFERENT FROM ABOVE):				REGULATORY PROGRAM (if any):	
				IN: <u>Client</u> /		VIA:		QUOTE #: _____				DATA PACKAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> O	
				Client FedEx UPS US mail courier		other: _____							

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 Assisstance
Lab ID: 2107466

Case Narrative

PCB Analysis by Method 8082:

Due to sample matrix, sample 2107466-003B required dilution during preparation and /or analysis resulting in elevated reporting limits.

Pesticides Analysis by Method 8081:

Due to sample matrix, sample 2107466-003B required dilution during preparation and /or analysis resulting in elevated reporting limits.

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-6
Project Name: Forsyth County MOU Assisstance	Collection Date: 7/6/2021 10:42:00 AM
Lab ID: 2107466-001	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D			(SW5030B)					
1,1,1,2-Tetrachloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
1,1,1-Trichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
1,1,2-Trichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
1,1-Dichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
1,1-Dichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
1,2,3-Trichloropropane	BRL	10		ug/L	318677	1	07/08/2021 17:16	CC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	318677	1	07/08/2021 17:16	CC
1,2-Dibromoethane	BRL	1.0		ug/L	318677	1	07/08/2021 17:16	CC
1,2-Dichlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 17:16	CC
1,2-Dichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
1,2-Dichloropropane	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
1,4-Dichlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 17:16	CC
2-Butanone	BRL	100		ug/L	318677	1	07/08/2021 17:16	CC
2-Hexanone	BRL	50		ug/L	318677	1	07/08/2021 17:16	CC
4-Methyl-2-pentanone	BRL	50		ug/L	318677	1	07/08/2021 17:16	CC
Acetone	BRL	100		ug/L	318677	1	07/08/2021 17:16	CC
Acrylonitrile	BRL	50		ug/L	318677	1	07/08/2021 17:16	CC
Benzene	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
Bromochloromethane	BRL	10		ug/L	318677	1	07/08/2021 17:16	CC
Bromodichloromethane	BRL	10		ug/L	318677	1	07/08/2021 17:16	CC
Bromoform	BRL	10		ug/L	318677	1	07/08/2021 17:16	CC
Bromomethane	BRL	10		ug/L	318677	1	07/08/2021 17:16	CC
Carbon disulfide	BRL	5.0		ug/L	318677	1	07/08/2021 17:16	CC
Carbon tetrachloride	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
Chlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 17:16	CC
Chloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
Chloroform	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
Chloromethane	BRL	10		ug/L	318677	1	07/08/2021 17:16	CC
cis-1,2-Dichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
cis-1,3-Dichloropropene	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
Dibromochloromethane	BRL	10		ug/L	318677	1	07/08/2021 17:16	CC
Dibromomethane	BRL	10		ug/L	318677	1	07/08/2021 17:16	CC
Ethylbenzene	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
Iodomethane	BRL	100		ug/L	318677	1	07/08/2021 17:16	CC
Methylene chloride	BRL	5.0		ug/L	318677	1	07/08/2021 17:16	CC
Styrene	BRL	10		ug/L	318677	1	07/08/2021 17:16	CC
Tetrachloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
Toluene	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
trans-1,2-Dichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
trans-1,3-Dichloropropene	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	318677	1	07/08/2021 17:16	CC
Trichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 17:16	CC
Trichlorofluoromethane	BRL	10		ug/L	318677	1	07/08/2021 17:16	CC
Vinyl acetate	BRL	100		ug/L	318677	1	07/08/2021 17:16	CC

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 Assisstance	Collection Date: 7/6/2021 10:42:00 AM
Lab ID: 2107466-001	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	318677	1	07/08/2021 17:16	CC
Xylenes, Total	BRL	5.0		ug/L	318677	1	07/08/2021 17:16	CC
Surr: 4-Bromofluorobenzene	113	74.9-127		%REC	318677	1	07/08/2021 17:16	CC
Surr: Dibromofluoromethane	112	78.9-121		%REC	318677	1	07/08/2021 17:16	CC
Surr: Toluene-d8	114	81.5-120		%REC	318677	1	07/08/2021 17:16	CC
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	318592	1	07/13/2021 15:08	EA
Arsenic	BRL	0.0100		mg/L	318592	1	07/13/2021 15:08	EA
Barium	0.0762	0.0200		mg/L	318592	1	07/13/2021 15:08	EA
Beryllium	BRL	0.00600		mg/L	318592	2	07/13/2021 15:57	EA
Cadmium	BRL	0.00500		mg/L	318592	1	07/13/2021 15:08	EA
Chromium	BRL	0.0100		mg/L	318592	1	07/13/2021 15:08	EA
Cobalt	BRL	0.0400		mg/L	318592	1	07/13/2021 15:08	EA
Copper	BRL	0.0200		mg/L	318592	1	07/13/2021 15:08	EA
Lead	BRL	0.0150		mg/L	318592	1	07/13/2021 15:08	EA
Nickel	BRL	0.0200		mg/L	318592	1	07/13/2021 15:08	EA
Selenium	BRL	0.0100		mg/L	318592	1	07/13/2021 15:08	EA
Silver	BRL	0.0100		mg/L	318592	1	07/13/2021 15:08	EA
Thallium	BRL	0.00200		mg/L	318592	1	07/13/2021 15:08	EA
Vanadium	BRL	0.0200		mg/L	318592	1	07/13/2021 15:08	EA
Zinc	BRL	0.0200		mg/L	318592	1	07/13/2021 15:08	EA

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: 2107466-002

Client Sample ID: GWC-9
Collection Date: 7/6/2021 11:36:00 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	318677	1	07/08/2021 17:41	CC
1,1,1-Trichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
1,1,2-Trichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
1,1-Dichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
1,1-Dichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
1,2,3-Trichloropropane	BRL	10		ug/L	318677	1	07/08/2021 17:41	CC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	318677	1	07/08/2021 17:41	CC
1,2-Dibromoethane	BRL	1.0		ug/L	318677	1	07/08/2021 17:41	CC
1,2-Dichlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 17:41	CC
1,2-Dichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
1,2-Dichloropropane	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
1,4-Dichlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 17:41	CC
2-Butanone	BRL	100		ug/L	318677	1	07/08/2021 17:41	CC
2-Hexanone	BRL	50		ug/L	318677	1	07/08/2021 17:41	CC
4-Methyl-2-pentanone	BRL	50		ug/L	318677	1	07/08/2021 17:41	CC
Acetone	BRL	100		ug/L	318677	1	07/08/2021 17:41	CC
Acrylonitrile	BRL	50		ug/L	318677	1	07/08/2021 17:41	CC
Benzene	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
Bromochloromethane	BRL	10		ug/L	318677	1	07/08/2021 17:41	CC
Bromodichloromethane	BRL	10		ug/L	318677	1	07/08/2021 17:41	CC
Bromoform	BRL	10		ug/L	318677	1	07/08/2021 17:41	CC
Bromomethane	BRL	10		ug/L	318677	1	07/08/2021 17:41	CC
Carbon disulfide	BRL	5.0		ug/L	318677	1	07/08/2021 17:41	CC
Carbon tetrachloride	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
Chlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 17:41	CC
Chloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
Chloroform	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
Chloromethane	BRL	10		ug/L	318677	1	07/08/2021 17:41	CC
cis-1,2-Dichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
cis-1,3-Dichloropropene	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
Dibromochloromethane	BRL	10		ug/L	318677	1	07/08/2021 17:41	CC
Dibromomethane	BRL	10		ug/L	318677	1	07/08/2021 17:41	CC
Ethylbenzene	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
Iodomethane	BRL	100		ug/L	318677	1	07/08/2021 17:41	CC
Methylene chloride	BRL	5.0		ug/L	318677	1	07/08/2021 17:41	CC
Styrene	BRL	10		ug/L	318677	1	07/08/2021 17:41	CC
Tetrachloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
Toluene	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
trans-1,2-Dichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
trans-1,3-Dichloropropene	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	318677	1	07/08/2021 17:41	CC
Trichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
Trichlorofluoromethane	BRL	10		ug/L	318677	1	07/08/2021 17:41	CC
Vinyl acetate	BRL	100		ug/L	318677	1	07/08/2021 17:41	CC

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: 7/6/2021 11:36:00 AM
Lab ID: 2107466-002	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
APPENDIX I VOLATILE ORGANICS SW8260D					(SW5030B)			
Vinyl chloride	BRL	2.0		ug/L	318677	1	07/08/2021 17:41	CC
Xylenes, Total	BRL	5.0		ug/L	318677	1	07/08/2021 17:41	CC
Surr: 4-Bromofluorobenzene	114	74.9-127		%REC	318677	1	07/08/2021 17:41	CC
Surr: Dibromofluoromethane	111	78.9-121		%REC	318677	1	07/08/2021 17:41	CC
Surr: Toluene-d8	113	81.5-120		%REC	318677	1	07/08/2021 17:41	CC
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	318592	1	07/13/2021 15:11	EA
Arsenic	BRL	0.0100		mg/L	318592	1	07/13/2021 15:11	EA
Barium	0.310	0.0200		mg/L	318592	1	07/13/2021 15:11	EA
Beryllium	BRL	0.00300		mg/L	318592	1	07/13/2021 15:11	EA
Cadmium	BRL	0.00500		mg/L	318592	1	07/13/2021 15:11	EA
Chromium	BRL	0.0100		mg/L	318592	1	07/13/2021 15:11	EA
Cobalt	0.124	0.0400		mg/L	318592	1	07/13/2021 15:11	EA
Copper	BRL	0.0200		mg/L	318592	1	07/13/2021 15:11	EA
Lead	BRL	0.0150		mg/L	318592	1	07/13/2021 15:11	EA
Nickel	BRL	0.0200		mg/L	318592	1	07/13/2021 15:11	EA
Selenium	BRL	0.0100		mg/L	318592	1	07/13/2021 15:11	EA
Silver	BRL	0.0100		mg/L	318592	1	07/13/2021 15:11	EA
Thallium	BRL	0.00200		mg/L	318592	1	07/13/2021 15:11	EA
Vanadium	BRL	0.0200		mg/L	318592	1	07/13/2021 15:11	EA
Zinc	0.0931	0.0200		mg/L	318592	1	07/13/2021 15:11	EA

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: 7/6/2021 12:19:00 PM
Lab ID: 2107466-003	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	318677	1	07/08/2021 19:18	CC
1,1,1-Trichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
1,1,2-Trichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
1,1-Dichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
1,1-Dichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
1,1-Dichloropropene	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
1,2,3-Trichloropropane	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
1,2,4-Trichlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
1,2-Dichlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
1,2-Dichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
1,2-Dichloropropane	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
1,3-Dichlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
1,3-Dichloropropane	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
1,4-Dichlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
2,2-Dichloropropane	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
2-Butanone	BRL	100		ug/L	318677	1	07/08/2021 19:18	CC
2-Hexanone	BRL	50		ug/L	318677	1	07/08/2021 19:18	CC
4-Methyl-2-pentanone	BRL	50		ug/L	318677	1	07/08/2021 19:18	CC
Acetone	BRL	100		ug/L	318677	1	07/08/2021 19:18	CC
Acetonitrile	BRL	200		ug/L	318677	1	07/13/2021 18:36	OM
Acrolein	BRL	50		ug/L	318677	1	07/08/2021 19:18	CC
Acrylonitrile	BRL	50		ug/L	318677	1	07/08/2021 19:18	CC
Allyl Chloride	BRL	100		ug/L	318677	1	07/13/2021 18:36	OM
Benzene	3.1	2.0		ug/L	318677	1	07/08/2021 19:18	CC
Bromochloromethane	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
Bromodichloromethane	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
Bromoform	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
Bromomethane	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
Carbon disulfide	BRL	5.0		ug/L	318677	1	07/08/2021 19:18	CC
Carbon tetrachloride	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
Chlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
Chloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
Chloroform	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
Chloromethane	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
Chloroprene	BRL	20		ug/L	318677	1	07/13/2021 18:36	OM
cis-1,2-Dichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
cis-1,3-Dichloropropene	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
Dibromochloromethane	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
Dibromomethane	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
Dichlorodifluoromethane	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
Ethyl Methacrylate	BRL	10		ug/L	318677	1	07/13/2021 18:36	OM
Ethylbenzene	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
Iodomethane	BRL	100		ug/L	318677	1	07/08/2021 19:18	CC
Isobutyl Alcohol	BRL	200		ug/L	318677	1	07/13/2021 18:36	OM

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

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County MOU Assistance
Lab ID: 2107466-003

Client Sample ID: GWC-12R
Collection Date: 7/6/2021 12:19:00 PM
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	318677	1	07/13/2021 18:36	OM
Methylacrylonitrile	BRL	100		ug/L	318677	1	07/13/2021 18:36	OM
Methylene chloride	BRL	5.0		ug/L	318677	1	07/08/2021 19:18	CC
Naphthalene	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
Propionitrile	BRL	75		ug/L	318677	1	07/13/2021 18:36	OM
Styrene	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
Tetrachloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
Toluene	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
trans-1,2-Dichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
trans-1,3-Dichloropropene	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	318677	1	07/08/2021 19:18	CC
Trichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
Trichlorofluoromethane	BRL	10		ug/L	318677	1	07/08/2021 19:18	CC
Vinyl acetate	BRL	100		ug/L	318677	1	07/08/2021 19:18	CC
Vinyl chloride	BRL	2.0		ug/L	318677	1	07/08/2021 19:18	CC
Xylenes, Total	BRL	5.0		ug/L	318677	1	07/08/2021 19:18	CC
Surr: 4-Bromofluorobenzene	104	70-130		%REC	318677	1	07/13/2021 18:36	OM
Surr: 4-Bromofluorobenzene	113	70-130		%REC	318677	1	07/08/2021 19:18	CC
Surr: Dibromofluoromethane	105	70-130		%REC	318677	1	07/13/2021 18:36	OM
Surr: Dibromofluoromethane	111	70-130		%REC	318677	1	07/08/2021 19:18	CC
Surr: Toluene-d8	106	70-130		%REC	318677	1	07/13/2021 18:36	OM
Surr: Toluene-d8	112	70-130		%REC	318677	1	07/08/2021 19:18	CC
Sulfide by SW9030B/9034		(SW9030B)						
Sulfide	BRL	2.00		mg/L	318840	1	07/13/2021 11:00	BW
Semivolatile Org. Comp. by GC/MS SW8270E		(SW3510C)						
1,2,4,5-Tetrachlorobenzene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
1,3,5-Trinitrobenzene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
1,3-Dinitrobenzene	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
1,4-Napthoquinone	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
1-Naphthylamine	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
2,2'-oxybis(1-Chloropropane)	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
2,3,4,6-Tetrachlorophenol	BRL	77		ug/L	318344	1	07/09/2021 16:37	YH
2,4,5-Trichlorophenol	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
2,4,6-Trichlorophenol	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
2,4-Dichlorophenol	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
2,4-Dimethylphenol	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
2,4-Dinitrophenol	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
2,4-Dinitrotoluene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
2,6-Dichlorophenol	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
2,6-Dinitrotoluene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
2-Acetylaminofluorene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
2-Chloronaphthalene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
2-Chlorophenol	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH

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 Assisstance	Collection Date: 7/6/2021 12:19:00 PM
Lab ID: 2107466-003	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
2-Methylnaphthalene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
2-Methylphenol	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
2-Naphthylamine	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
2-Nitroaniline	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
2-Nitrophenol	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
3,3'-Dichlorobenzidine	BRL	230		ug/L	318344	1	07/09/2021 16:37	YH
3,3'-Dimethoxybenzidine	BRL	190	N	ug/L	318344	1	07/09/2021 16:37	YH
3,4-Methylphenol	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
3-Methylcholanthrene	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
3-Nitroaniline	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
4,6-Dinitro-2-methylphenol	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
4-Aminobiphenyl	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
4-Bromophenyl phenyl ether	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
4-Chloro-3-methylphenol	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
4-Chloroaniline	BRL	77		ug/L	318344	1	07/09/2021 16:37	YH
4-Chlorophenyl phenyl ether	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
4-Nitroaniline	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
4-Nitrophenol	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
5-Nitro-o-toluidine	BRL	77		ug/L	318344	1	07/09/2021 16:37	YH
7,12-Dimethylbenz(a)anthracene	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
Acenaphthene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Acenaphthylene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Acetophenone	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Anthracene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Benz(a)anthracene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Benzo(a)pyrene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Benzo(b)fluoranthene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Benzo(g,h,i)perylene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Benzo(k)fluoranthene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Benzyl alcohol	BRL	77		ug/L	318344	1	07/09/2021 16:37	YH
Bis(2-chloroethoxy)methane	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Bis(2-chloroethyl)ether	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Bis(2-ethylhexyl)phthalate	BRL	23		ug/L	318344	1	07/09/2021 16:37	YH
Butyl benzyl phthalate	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Chlorobenzilate	BRL	10		ug/L	318344	1	07/09/2021 16:37	YH
Chrysene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Di-n-butyl phthalate	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Di-n-octyl phthalate	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Diallate	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Dibenz(a,h)anthracene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Dibenzofuran	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Diethyl phthalate	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Dimethoate	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
Dimethyl phthalate	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Disulfoton	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH

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

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-12R
Project Name: Forsyth County MOU Assisstance	Collection Date: 7/6/2021 12:19:00 PM
Lab ID: 2107466-003	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS	SW8270E				(SW3510C)			
Ethyl methanesulfonate	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
Famphur	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Fluoranthene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Fluorene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Hexachlorobenzene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Hexachlorobutadiene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Hexachlorocyclopentadiene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Hexachloroethane	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Hexachloropropene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Indeno(1,2,3-cd)pyrene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Isodrin	BRL	10		ug/L	318344	1	07/09/2021 16:37	YH
Isophorone	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Isosafrole	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
Kepone	BRL	77		ug/L	318344	1	07/09/2021 16:37	YH
Methapyrilene	BRL	7700		ug/L	318344	1	07/09/2021 16:37	YH
Methyl methanesulfonate	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
Methyl parathion	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
N-Nitrosodi-n-butylamine	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
N-Nitrosodi-n-propylamine	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
N-Nitrosodiethylamine	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
N-Nitrosodimethylamine	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
N-Nitrosodiphenylamine	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
N-Nitrosomethylethylamine	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
N-Nitrosopiperidine	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
N-Nitrosopyrrolidine	BRL	77		ug/L	318344	1	07/09/2021 16:37	YH
Nitrobenzene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
O,O,O-Triethyl phosphorothioate	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
o-Toluidine	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
p-Dimethylaminoazobenzene	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
p-Phenylenediamine	BRL	7700		ug/L	318344	1	07/09/2021 16:37	YH
Parathion	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Pentachlorobenzene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Pentachloronitrobenzene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Pentachlorophenol	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
Phenacetin	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
Phenanthrene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Phenol	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Phorate	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Pronamide	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Pyrene	BRL	39		ug/L	318344	1	07/09/2021 16:37	YH
Safrole	BRL	190		ug/L	318344	1	07/09/2021 16:37	YH
Surr: 2,4,6-Tribromophenol	43.6	47-127	S	%REC	318344	1	07/09/2021 16:37	YH
Surr: 2-Fluorobiphenyl	75.5	47.4-119		%REC	318344	1	07/09/2021 16:37	YH
Surr: 2-Fluorophenol	16.2	26.2-120	S	%REC	318344	1	07/09/2021 16:37	YH
Surr: 4-Terphenyl-d14	73.4	45-133		%REC	318344	1	07/09/2021 16:37	YH

Qualifiers:	* Value exceeds maximum contaminant level	E Estimated (value above quantitation range)
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	H Holding times for preparation or analysis exceeded	Narr See case narrative
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	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: 2107466-003

Client Sample ID: GWC-12R
Collection Date: 7/6/2021 12:19:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Semivolatile Org. Comp. by GC/MS SW8270E					(SW3510C)			
Surr: Nitrobenzene-d5	82.4	41.9-121		%REC	318344	1	07/09/2021 16:37	YH
Surr: Phenol-d5	15.7	17.8-120	S	%REC	318344	1	07/09/2021 16:37	YH
POLYCHLORINATED BIPHENYLS SW8082A					(SW3510C)			
Aroclor 1016	BRL	10		ug/L	318696	20	07/14/2021 14:35	CA
Aroclor 1221	BRL	10		ug/L	318696	20	07/14/2021 14:35	CA
Aroclor 1232	BRL	10		ug/L	318696	20	07/14/2021 14:35	CA
Aroclor 1242	BRL	10		ug/L	318696	20	07/14/2021 14:35	CA
Aroclor 1248	BRL	10		ug/L	318696	20	07/14/2021 14:35	CA
Aroclor 1254	BRL	10		ug/L	318696	20	07/14/2021 14:35	CA
Aroclor 1260	BRL	10		ug/L	318696	20	07/14/2021 14:35	CA
Surr: Decachlorobiphenyl	88.1	30-120		%REC	318696	1	07/12/2021 21:12	CA
Surr: Tetrachloro-m-xylene	251	46.5-120	S	%REC	318696	1	07/12/2021 21:12	CA
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011					(SW8011)			
1,2-Dibromo-3-chloropropane	BRL	0.198		ug/L	318474	1	07/08/2021 12:22	ST
1,2-Dibromoethane	BRL	0.049		ug/L	318474	1	07/08/2021 12:22	ST
Surr: 4-Bromofluorobenzene	75.7	73.6-140		%REC	318474	1	07/08/2021 12:22	ST
Mercury, Total SW7470A					(SW7470A)			
Mercury	BRL	0.00050		mg/L	318630	1	07/09/2021 16:26	SK
Cyanide SW9014					(SW9010C)			
Cyanide, Total	BRL	0.020		mg/L	318839	1	07/13/2021 17:57	CB
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B					(SW3510C)			
4,4'-DDD	BRL	0.10		ug/L	318697	1	07/12/2021 21:12	CA
4,4'-DDE	BRL	0.10		ug/L	318697	1	07/12/2021 21:12	CA
4,4'-DDT	BRL	0.10		ug/L	318697	1	07/12/2021 21:12	CA
Aldrin	BRL	0.050		ug/L	318697	1	07/12/2021 21:12	CA
alpha-BHC	BRL	0.050		ug/L	318697	1	07/12/2021 21:12	CA
beta-BHC	BRL	0.050		ug/L	318697	1	07/12/2021 21:12	CA
Chlordane	BRL	10		ug/L	318697	20	07/14/2021 14:35	CA
delta-BHC	BRL	0.050		ug/L	318697	1	07/12/2021 21:12	CA
Dieldrin	BRL	0.10		ug/L	318697	1	07/12/2021 21:12	CA
Endosulfan I	BRL	0.088		ug/L	318697	1	07/12/2021 21:12	CA
Endosulfan II	BRL	0.10		ug/L	318697	1	07/12/2021 21:12	CA
Endosulfan sulfate	BRL	0.10		ug/L	318697	1	07/12/2021 21:12	CA
Endrin	BRL	0.10		ug/L	318697	1	07/12/2021 21:12	CA
Endrin aldehyde	BRL	0.10		ug/L	318697	1	07/12/2021 21:12	CA
gamma-BHC	BRL	0.050		ug/L	318697	1	07/12/2021 21:12	CA
Heptachlor	BRL	0.050		ug/L	318697	1	07/12/2021 21:12	CA
Heptachlor epoxide	BRL	0.050		ug/L	318697	1	07/12/2021 21:12	CA
Methoxychlor	BRL	0.50		ug/L	318697	1	07/12/2021 21:12	CA
Toxaphene	BRL	60		ug/L	318697	20	07/14/2021 14:35	CA

Qualifiers:

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- > 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 Assisstance	Collection Date: 7/6/2021 12:19:00 PM
Lab ID: 2107466-003	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B					(SW3510C)			
Surr: Decachlorobiphenyl	91.4	22.9-130		%REC	318697	1	07/12/2021 21:12	CA
Surr: Tetrachloro-m-xylene	242	37.9-130	S	%REC	318697	1	07/12/2021 21:12	CA
CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A					(SW3510C)			
2,4,5-T	BRL	4.8		ug/L	318525	1	07/09/2021 13:32	ST
2,4,5-TP (Silvex)	BRL	9.6		ug/L	318525	1	07/09/2021 13:32	ST
2,4-D	BRL	4.8		ug/L	318525	1	07/09/2021 13:32	ST
Dinoseb	BRL	5.0		ug/L	318525	1	07/09/2021 13:32	ST
Pentachlorophenol	BRL	1.0		ug/L	318525	1	07/09/2021 13:32	ST
Surr: DCAA	69	45.3-120		%REC	318525	1	07/09/2021 13:32	ST
APPENDIX II METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	318592	1	07/13/2021 15:13	EA
Arsenic	BRL	0.0100		mg/L	318592	1	07/13/2021 15:13	EA
Barium	0.111	0.0200		mg/L	318592	1	07/13/2021 15:13	EA
Beryllium	BRL	0.00300		mg/L	318592	1	07/13/2021 15:13	EA
Cadmium	BRL	0.00500		mg/L	318592	1	07/13/2021 15:13	EA
Chromium	BRL	0.0100		mg/L	318592	1	07/13/2021 15:13	EA
Cobalt	0.111	0.0400		mg/L	318592	1	07/13/2021 15:13	EA
Copper	BRL	0.0200		mg/L	318592	1	07/13/2021 15:13	EA
Lead	BRL	0.0150		mg/L	318592	1	07/13/2021 15:13	EA
Nickel	0.0246	0.0200		mg/L	318592	1	07/13/2021 15:13	EA
Selenium	BRL	0.0100		mg/L	318592	1	07/13/2021 15:13	EA
Silver	BRL	0.0100		mg/L	318592	1	07/13/2021 15:13	EA
Thallium	BRL	0.00200		mg/L	318592	1	07/13/2021 15:13	EA
Tin	BRL	0.0500		mg/L	318592	1	07/13/2021 15:13	EA
Vanadium	BRL	0.0200		mg/L	318592	1	07/13/2021 15:13	EA
Zinc	BRL	0.0200		mg/L	318592	1	07/13/2021 15:13	EA

Qualifiers:

- * Value exceeds maximum contaminant level
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- > 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: TRIP BLANK
Project Name: Forsyth County MOU Assistance	Collection Date: 7/6/2021
Lab ID: 2107466-004	Matrix: Aqueous

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	318677	1	07/08/2021 18:05	CC
1,1,1-Trichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
1,1,2-Trichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
1,1-Dichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
1,1-Dichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
1,2,3-Trichloropropane	BRL	10		ug/L	318677	1	07/08/2021 18:05	CC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	318677	1	07/08/2021 18:05	CC
1,2-Dibromoethane	BRL	1.0		ug/L	318677	1	07/08/2021 18:05	CC
1,2-Dichlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 18:05	CC
1,2-Dichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
1,2-Dichloropropane	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
1,4-Dichlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 18:05	CC
2-Butanone	BRL	100		ug/L	318677	1	07/08/2021 18:05	CC
2-Hexanone	BRL	50		ug/L	318677	1	07/08/2021 18:05	CC
4-Methyl-2-pentanone	BRL	50		ug/L	318677	1	07/08/2021 18:05	CC
Acetone	BRL	100		ug/L	318677	1	07/08/2021 18:05	CC
Acrylonitrile	BRL	50		ug/L	318677	1	07/08/2021 18:05	CC
Benzene	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
Bromochloromethane	BRL	10		ug/L	318677	1	07/08/2021 18:05	CC
Bromodichloromethane	BRL	10		ug/L	318677	1	07/08/2021 18:05	CC
Bromoform	BRL	10		ug/L	318677	1	07/08/2021 18:05	CC
Bromomethane	BRL	10		ug/L	318677	1	07/08/2021 18:05	CC
Carbon disulfide	BRL	5.0		ug/L	318677	1	07/08/2021 18:05	CC
Carbon tetrachloride	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
Chlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 18:05	CC
Chloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
Chloroform	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
Chloromethane	BRL	10		ug/L	318677	1	07/08/2021 18:05	CC
cis-1,2-Dichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
cis-1,3-Dichloropropene	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
Dibromochloromethane	BRL	10		ug/L	318677	1	07/08/2021 18:05	CC
Dibromomethane	BRL	10		ug/L	318677	1	07/08/2021 18:05	CC
Ethylbenzene	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
Iodomethane	BRL	100		ug/L	318677	1	07/08/2021 18:05	CC
Methylene chloride	BRL	5.0		ug/L	318677	1	07/08/2021 18:05	CC
Styrene	BRL	10		ug/L	318677	1	07/08/2021 18:05	CC
Tetrachloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
Toluene	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
trans-1,2-Dichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
trans-1,3-Dichloropropene	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	318677	1	07/08/2021 18:05	CC
Trichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 18:05	CC
Trichlorofluoromethane	BRL	10		ug/L	318677	1	07/08/2021 18:05	CC
Vinyl acetate	BRL	100		ug/L	318677	1	07/08/2021 18:05	CC

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: TRIP BLANK
Project Name: Forsyth County MOU Assisstance	Collection Date: 7/6/2021
Lab ID: 2107466-004	Matrix: Aqueous

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	318677	1	07/08/2021 18:05	CC
Xylenes, Total	BRL	5.0		ug/L	318677	1	07/08/2021 18:05	CC
Surr: 4-Bromofluorobenzene	113	74.9-127		%REC	318677	1	07/08/2021 18:05	CC
Surr: Dibromofluoromethane	112	78.9-121		%REC	318677	1	07/08/2021 18:05	CC
Surr: Toluene-d8	113	81.5-120		%REC	318677	1	07/08/2021 18:05	CC

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-5
Project Name: Forsyth County MOU Assistance	Collection Date: 7/6/2021 1:37:00 PM
Lab ID: 2107466-005	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	318677	1	07/08/2021 18:30	CC
1,1,1-Trichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
1,1,2-Trichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
1,1-Dichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
1,1-Dichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
1,2,3-Trichloropropane	BRL	10		ug/L	318677	1	07/08/2021 18:30	CC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	318677	1	07/08/2021 18:30	CC
1,2-Dibromoethane	BRL	1.0		ug/L	318677	1	07/08/2021 18:30	CC
1,2-Dichlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 18:30	CC
1,2-Dichloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
1,2-Dichloropropane	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
1,4-Dichlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 18:30	CC
2-Butanone	BRL	100		ug/L	318677	1	07/08/2021 18:30	CC
2-Hexanone	BRL	50		ug/L	318677	1	07/08/2021 18:30	CC
4-Methyl-2-pentanone	BRL	50		ug/L	318677	1	07/08/2021 18:30	CC
Acetone	BRL	100		ug/L	318677	1	07/08/2021 18:30	CC
Acrylonitrile	BRL	50		ug/L	318677	1	07/08/2021 18:30	CC
Benzene	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
Bromochloromethane	BRL	10		ug/L	318677	1	07/08/2021 18:30	CC
Bromodichloromethane	BRL	10		ug/L	318677	1	07/08/2021 18:30	CC
Bromoform	BRL	10		ug/L	318677	1	07/08/2021 18:30	CC
Bromomethane	BRL	10		ug/L	318677	1	07/08/2021 18:30	CC
Carbon disulfide	BRL	5.0		ug/L	318677	1	07/08/2021 18:30	CC
Carbon tetrachloride	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
Chlorobenzene	BRL	10		ug/L	318677	1	07/08/2021 18:30	CC
Chloroethane	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
Chloroform	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
Chloromethane	BRL	10		ug/L	318677	1	07/08/2021 18:30	CC
cis-1,2-Dichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
cis-1,3-Dichloropropene	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
Dibromochloromethane	BRL	10		ug/L	318677	1	07/08/2021 18:30	CC
Dibromomethane	BRL	10		ug/L	318677	1	07/08/2021 18:30	CC
Ethylbenzene	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
Iodomethane	BRL	100		ug/L	318677	1	07/08/2021 18:30	CC
Methylene chloride	BRL	5.0		ug/L	318677	1	07/08/2021 18:30	CC
Styrene	BRL	10		ug/L	318677	1	07/08/2021 18:30	CC
Tetrachloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
Toluene	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
trans-1,2-Dichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
trans-1,3-Dichloropropene	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	318677	1	07/08/2021 18:30	CC
Trichloroethene	BRL	2.0		ug/L	318677	1	07/08/2021 18:30	CC
Trichlorofluoromethane	BRL	10		ug/L	318677	1	07/08/2021 18:30	CC
Vinyl acetate	BRL	100		ug/L	318677	1	07/08/2021 18:30	CC

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-5
Project Name: Forsyth County MOU Assisstance	Collection Date: 7/6/2021 1:37:00 PM
Lab ID: 2107466-005	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	318677	1	07/08/2021 18:30	CC
Xylenes, Total	BRL	5.0		ug/L	318677	1	07/08/2021 18:30	CC
Surr: 4-Bromofluorobenzene	113	74.9-127		%REC	318677	1	07/08/2021 18:30	CC
Surr: Dibromofluoromethane	113	78.9-121		%REC	318677	1	07/08/2021 18:30	CC
Surr: Toluene-d8	114	81.5-120		%REC	318677	1	07/08/2021 18:30	CC
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	318592	1	07/13/2021 15:15	EA
Arsenic	0.0431	0.0100		mg/L	318592	1	07/13/2021 15:15	EA
Barium	0.0462	0.0200		mg/L	318592	1	07/13/2021 15:15	EA
Beryllium	BRL	0.00300		mg/L	318592	1	07/13/2021 15:15	EA
Cadmium	BRL	0.00500		mg/L	318592	1	07/13/2021 15:15	EA
Chromium	BRL	0.0100		mg/L	318592	1	07/13/2021 15:15	EA
Cobalt	BRL	0.0400		mg/L	318592	1	07/13/2021 15:15	EA
Copper	BRL	0.0200		mg/L	318592	1	07/13/2021 15:15	EA
Lead	BRL	0.0150		mg/L	318592	1	07/13/2021 15:15	EA
Nickel	BRL	0.0200		mg/L	318592	1	07/13/2021 15:15	EA
Selenium	BRL	0.0100		mg/L	318592	1	07/13/2021 15:15	EA
Silver	BRL	0.0100		mg/L	318592	1	07/13/2021 15:15	EA
Thallium	BRL	0.00200		mg/L	318592	1	07/13/2021 15:15	EA
Vanadium	BRL	0.0200		mg/L	318592	1	07/13/2021 15:15	EA
Zinc	BRL	0.0200		mg/L	318592	1	07/13/2021 15:15	EA

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- F Analyzed in the lab which is a deviation from the method
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: SWC-9
Project Name: Forsyth County MOU Assistance	Collection Date: 7/6/2021 2:20:00 PM
Lab ID: 2107466-006	Matrix: Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	1.05	1.00		mg/L	R459279	1	07/08/2021 23:02	GK
Total Cyanide (SM4500 CN-C, E) (SM4500-CN-E)								
Cyanide, Total	BRL	0.010		mg/L	318702	1	07/12/2021 16:05	CB
METALS, DISSOLVED SW6010D (SW3005A)								
Arsenic	BRL	0.0500		mg/L	318652	1	07/13/2021 15:21	KB
Barium	BRL	0.0200		mg/L	318652	1	07/13/2021 15:21	KB
Cadmium	BRL	0.0050		mg/L	318652	1	07/13/2021 15:21	KB
Chromium	BRL	0.0100		mg/L	318652	1	07/13/2021 15:21	KB
Lead	BRL	0.0100		mg/L	318652	1	07/13/2021 15:21	KB
Nickel	BRL	0.0200		mg/L	318652	1	07/13/2021 15:21	KB
Silver	BRL	0.0100		mg/L	318652	1	07/13/2021 15:21	KB
Zinc	BRL	0.0200		mg/L	318652	1	07/13/2021 15:21	KB
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	318828	1	07/13/2021 17:49	SK
Inorganic Anions by IC E300.0								
Chloride	2.22	0.500		mg/L	R459558	1	07/09/2021 20:05	IP
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R459239	1	07/08/2021 15:45	SK
METALS, TOTAL SW6010D (SW3010A)								
Selenium	BRL	0.0400		mg/L	318650	1	07/13/2021 12:32	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

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Atlantic Coast Consulting, Inc.

AES Work Order Number: 2107466

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 0.6 °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). YM 7/7/21

	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). MA 7/7/21

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). MA 7/7/21

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County MOU Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318344

Sample ID: MB-318344	Client ID:	Units: ug/L	Prep Date: 07/07/2021	Run No: 459376							
Sample Type: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 318344	Analysis Date: 07/08/2021	Seq No: 10528431							
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
1,2,4,5-Tetrachlorobenzene	BRL	10									
1,3,5-Trinitrobenzene	BRL	10									
1,3-Dinitrobenzene	BRL	20									
1,4-Napthoquinone	BRL	10									
1-Naphthylamine	BRL	10									
2,2'-oxybis(1-Chloropropane)	BRL	10									
2,3,4,6-Tetrachlorophenol	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-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									
3,3'-Dichlorobenzidine	BRL	20									
3,3'-Dimethoxybenzidine	BRL	10									N
3,4-Methylphenol	BRL	10									
3-Methylcholanthrene	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318344

Sample ID: MB-318344	Client ID:	Units: ug/L	Prep Date: 07/07/2021	Run No: 459376							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 318344	Analysis Date: 07/08/2021	Seq No: 10528431							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

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-Nitroaniline	BRL	25									
4-Nitrophenol	BRL	25									
5-Nitro-o-toluidine	BRL	10									
7,12-Dimethylbenz(a)anthracene	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Acetophenone	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	10									
Benzo(a)pyrene	BRL	10									
Benzo(b)fluoranthene	BRL	10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Benzyl alcohol	BRL	10									
Bis(2-chloroethoxy)methane	BRL	10									
Bis(2-chloroethyl)ether	BRL	10									
Bis(2-ethylhexyl)phthalate	BRL	10									
Butyl benzyl phthalate	BRL	10									
Chlorobenzilate	BRL	10									
Chrysene	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318344

Sample ID: MB-318344	Client ID:	Units: ug/L	Prep Date: 07/07/2021	Run No: 459376							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 318344	Analysis Date: 07/08/2021	Seq No: 10528431							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Di-n-butyl phthalate	BRL	10									
Di-n-octyl phthalate	BRL	10									
Diallate	BRL	10									
Dibenz(a,h)anthracene	BRL	10									
Dibenzofuran	BRL	10									
Diethyl phthalate	BRL	10									
Dimethoate	BRL	20									
Dimethyl phthalate	BRL	10									
Disulfoton	BRL	10									
Ethyl methanesulfonate	BRL	10									
Famphur	BRL	20									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Hexachlorobenzene	BRL	10									
Hexachlorobutadiene	BRL	10									
Hexachlorocyclopentadiene	BRL	10									
Hexachloroethane	BRL	10									
Hexachloropropene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	10									
Isodrin	BRL	10									
Isophorone	BRL	10									
Isosafrole	BRL	10									
Kepone	BRL	50									
Methapyrilene	BRL	20									
Methyl methanesulfonate	BRL	10									
Methyl parathion	BRL	10									
N-Nitrosodi-n-butylamine	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318344

Sample ID: MB-318344	Client ID:	Units: ug/L	Prep Date: 07/07/2021	Run No: 459376							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 318344	Analysis Date: 07/08/2021	Seq No: 10528431							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

N-Nitrosodi-n-propylamine	BRL	10									
N-Nitrosodiethylamine	BRL	10									
N-Nitrosodimethylamine	BRL	10									
N-Nitrosodiphenylamine	BRL	10									
N-Nitrosomethylethylamine	BRL	10									
N-Nitrosopiperidine	BRL	10									
N-Nitrosopyrrolidine	BRL	40									
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									
Phenacetin	BRL	10									
Phenanthrene	BRL	10									
Phenol	BRL	10									
Phorate	BRL	10									
Pronamide	BRL	10									
Pyrene	BRL	10									
Safrole	BRL	50									
Surr: 2,4,6-Tribromophenol	124.6	0	100.0		125	47	127				
Surr: 2-Fluorobiphenyl	49.56	0	50.00		99.1	47.4	119				
Surr: 2-Fluorophenol	93.73	0	100.0		93.7	26.2	120				
Surr: 4-Terphenyl-d14	48.35	0	50.00		96.7	45	133				

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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318344

Sample ID: MB-318344	Client ID:	Units: ug/L	Prep Date: 07/07/2021	Run No: 459376							
SampleType: MBLK	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 318344	Analysis Date: 07/08/2021	Seq No: 10528431							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: Nitrobenzene-d5	48.30	0	50.00		96.6	41.9	121				
Surr: Phenol-d5	89.74	0	100.0		89.7	17.8	120				

Sample ID: LCS-318344	Client ID:	Units: ug/L	Prep Date: 07/07/2021	Run No: 459115							
SampleType: LCS	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 318344	Analysis Date: 07/07/2021	Seq No: 10527606							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	82.38	10	100.0		82.4	60.1	123				
2-Chlorophenol	73.70	10	100.0		73.7	50.6	120				
4-Chloro-3-methylphenol	81.19	10	100.0		81.2	59.5	122				
4-Nitrophenol	44.73	25	100.0		44.7	20	120				
Acenaphthene	80.55	10	100.0		80.6	60.5	119				
N-Nitrosodi-n-propylamine	80.21	10	100.0		80.2	62.3	127				
Pentachlorophenol	63.67	25	100.0		63.7	50.9	120				
Phenol	40.23	10	100.0		40.2	20.1	120				
Pyrene	82.94	10	100.0		82.9	68.8	139				
Surr: 2,4,6-Tribromophenol	81.59	0	100.0		81.6	47	127				
Surr: 2-Fluorobiphenyl	40.66	0	50.00		81.3	47.4	119				
Surr: 2-Fluorophenol	55.78	0	100.0		55.8	26.2	120				
Surr: 4-Terphenyl-d14	39.62	0	50.00		79.2	45	133				
Surr: Nitrobenzene-d5	38.54	0	50.00		77.1	41.9	121				
Surr: Phenol-d5	40.72	0	100.0		40.7	17.8	120				

Sample ID: 2107377-004BMS	Client ID:	Units: ug/L	Prep Date: 07/07/2021	Run No: 459115							
SampleType: MS	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 318344	Analysis Date: 07/07/2021	Seq No: 10527622							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	79.28	10	100.0		79.3	48.9	120				
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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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318344

Sample ID: 2107377-004BMS	Client ID:	Units: ug/L	Prep Date: 07/07/2021	Run No: 459115							
SampleType: MS	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 318344	Analysis Date: 07/07/2021	Seq No: 10527622							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2-Chlorophenol	55.85	10	100.0		55.8	46.5	120				
4-Chloro-3-methylphenol	67.50	10	100.0		67.5	47.8	119				
4-Nitrophenol	33.48	25	100.0		33.5	24.1	120				
Acenaphthene	78.84	10	100.0		78.8	48.2	120				
N-Nitrosodi-n-propylamine	76.40	10	100.0		76.4	52.1	120				
Pentachlorophenol	47.79	25	100.0		47.8	42.4	120				
Phenol	16.62	10	100.0		16.6	24.7	120				S
Pyrene	78.72	10	100.0		78.7	55.5	120				
Surr: 2,4,6-Tribromophenol	61.34	0	100.0		61.3	47	127				
Surr: 2-Fluorobiphenyl	40.07	0	50.00		80.1	47.4	119				
Surr: 2-Fluorophenol	40.06	0	100.0		40.1	26.2	120				
Surr: 4-Terphenyl-d14	37.71	0	50.00		75.4	45	133				
Surr: Nitrobenzene-d5	39.43	0	50.00		78.9	41.9	121				
Surr: Phenol-d5	15.37	0	100.0		15.4	17.8	120				S

Sample ID: 2107377-004BMSD	Client ID:	Units: ug/L	Prep Date: 07/07/2021	Run No: 459115							
SampleType: MSD	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 318344	Analysis Date: 07/07/2021	Seq No: 10527624							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	71.82	10	100.0		71.8	48.9	120	79.28	9.87	28.3	
2-Chlorophenol	58.27	10	100.0		58.3	46.5	120	55.85	4.24	26.3	
4-Chloro-3-methylphenol	65.43	10	100.0		65.4	47.8	119	67.50	3.11	29.2	
4-Nitrophenol	35.49	25	100.0		35.5	24.1	120	33.48	5.83	39.1	
Acenaphthene	69.95	10	100.0		70.0	48.2	120	78.84	11.9	28.3	
N-Nitrosodi-n-propylamine	72.54	10	100.0		72.5	52.1	120	76.40	5.18	29.2	
Pentachlorophenol	49.72	25	100.0		49.7	42.4	120	47.79	3.96	20	
Phenol	17.51	10	100.0		17.5	24.7	120	16.62	5.22	33.4	S
Pyrene	74.24	10	100.0		74.2	55.5	120	78.72	5.86	25.1	

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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318344

Sample ID: 2107377-004BMSD	Client ID:	Units: ug/L	Prep Date: 07/07/2021	Run No: 459115
SampleType: MSD	TestCode: Semivolatile Org. Comp. by GC/MS SW8270E	BatchID: 318344	Analysis Date: 07/07/2021	Seq No: 10527624

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 2,4,6-Tribromophenol	60.97	0	100.0		61.0	47	127	61.34	0	0	
Surr: 2-Fluorobiphenyl	36.31	0	50.00		72.6	47.4	119	40.07	0	0	
Surr: 2-Fluorophenol	40.01	0	100.0		40.0	26.2	120	40.06	0	0	
Surr: 4-Terphenyl-d14	36.72	0	50.00		73.4	45	133	37.71	0	0	
Surr: Nitrobenzene-d5	35.72	0	50.00		71.4	41.9	121	39.43	0	0	
Surr: Phenol-d5	16.09	0	100.0		16.1	17.8	120	15.37	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318474

Sample ID: MB-318474	Client ID:	Units: ug/L	Prep Date: 07/07/2021	Run No: 459218							
SampleType: MBLK	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 318474	Analysis Date: 07/07/2021	Seq No: 10523292							
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	4.719	0	5.000		94.4	73.6	140				

Sample ID: LCS-318474	Client ID:	Units: ug/L	Prep Date: 07/07/2021	Run No: 459218							
SampleType: LCS	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 318474	Analysis Date: 07/07/2021	Seq No: 10523293							
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	0.09800	0.040	0.1000		98.0	60	140				
1,2-Dibromoethane	0.09300	0.020	0.1000		93.0	60	140				
Surr: 4-Bromofluorobenzene	4.419	0	5.000		88.4	73.6	140				

Sample ID: LCSD-318474	Client ID:	Units: ug/L	Prep Date: 07/07/2021	Run No: 459218							
SampleType: LCSD	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 318474	Analysis Date: 07/07/2021	Seq No: 10523294							
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	0.1120	0.040	0.1000		112	60	140	0.09800	13.3	15	
1,2-Dibromoethane	0.1050	0.020	0.1000		105	60	140	0.09300	12.1	16.7	
Surr: 4-Bromofluorobenzene	3.715	0	5.000		74.3	73.6	140	4.419	0	0	

Sample ID: 2107339-006BMS	Client ID:	Units: ug/L	Prep Date: 07/07/2021	Run No: 459218							
SampleType: MS	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 318474	Analysis Date: 07/08/2021	Seq No: 10523302							
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	0.1042	0.040	0.1012		103	71.6	137				
1,2-Dibromoethane	0.08396	0.020	0.1012		83.0	73.3	130				
Surr: 4-Bromofluorobenzene	4.077	0	5.058		80.6	73.6	140				

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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318474

Sample ID: 2107339-008BDUP	Client ID:	Units: ug/L	Prep Date: 07/07/2021	Run No: 459218							
SampleType: DUP	TestCode: MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011	BatchID: 318474	Analysis Date: 07/08/2021	Seq No: 10523305							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,2-Dibromo-3-chloropropane	BRL	0.040						0	0	0	
1,2-Dibromoethane	BRL	0.020						0	0	37.8	
Surr: 4-Bromofluorobenzene	4.563	0	4.945		92.3	73.6	140	4.447	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318525

Sample ID: MB-318525	Client ID:	Units: ug/L	Prep Date: 07/08/2021	Run No: 459432							
SampleType: MBLK	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	BatchID: 318525	Analysis Date: 07/09/2021	Seq No: 10529374							
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	3.615	0	5.000		72.3	45.3	120				

Sample ID: LCS-318525	Client ID:	Units: ug/L	Prep Date: 07/08/2021	Run No: 459432							
SampleType: LCS	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	BatchID: 318525	Analysis Date: 07/09/2021	Seq No: 10529375							
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	3.637	2.0	5.000		72.7	50.1	120				
2,4,5-TP (Silvex)	3.713	2.0	5.000		74.3	50.2	120				
2,4-D	3.558	2.0	5.000		71.2	50.1	120				
Surr: DCAA	3.842	0	5.000		76.8	45.3	120				

Sample ID: 2107466-003BMS	Client ID: GWC-12R	Units: ug/L	Prep Date: 07/08/2021	Run No: 459432							
SampleType: MS	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	BatchID: 318525	Analysis Date: 07/09/2021	Seq No: 10529377							
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	3.070	2.0	5.000		61.4	44.9	120				
2,4,5-TP (Silvex)	3.837	2.0	5.000		76.7	45.2	120				
2,4-D	2.987	2.0	5.000		59.7	40	120				
Surr: DCAA	3.604	0	5.000		72.1	45.3	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318525

Sample ID: 2107466-003BMSD	Client ID: GWC-12R	Units: ug/L	Prep Date: 07/08/2021	Run No: 459432
SampleType: MSD	TestCode: CHLORINATED HERBICIDES, APPENDIX II LIST SW8151A	BatchID: 318525	Analysis Date: 07/09/2021	Seq No: 10529378

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	3.178	2.0	5.000		63.6	44.9	120	3.070	3.45	24	
2,4,5-TP (Silvex)	3.940	2.0	5.000		78.8	45.2	120	3.837	2.67	18.9	
2,4-D	3.390	2.0	5.000		67.8	40	120	2.987	12.6	20.7	
Surr: DCAA	3.916	0	5.000		78.3	45.3	120	3.604	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318592

Sample ID: MB-318592	Client ID:	Units: mg/L	Prep Date: 07/08/2021	Run No: 459624							
SampleType: MBLK	TestCode: APPENDIX I METALS SW6020B	BatchID: 318592	Analysis Date: 07/13/2021	Seq No: 10535052							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	BRL	0.00150									
Arsenic	BRL	0.00250									
Barium	BRL	0.0200									
Beryllium	BRL	0.00100									
Cadmium	BRL	0.00125									
Chromium	BRL	0.0100									
Cobalt	BRL	0.00500									
Copper	BRL	0.00500									
Lead	BRL	0.00375									
Nickel	BRL	0.0200									
Selenium	BRL	0.0100									
Silver	BRL	0.00250									
Thallium	BRL	0.000500									
Vanadium	BRL	0.00500									
Zinc	BRL	0.0100									

Sample ID: MB-318592	Client ID:	Units: mg/L	Prep Date: 07/08/2021	Run No: 459625							
SampleType: MBLK	TestCode: APPENDIX II METALS SW6020B	BatchID: 318592	Analysis Date: 07/13/2021	Seq No: 10535098							
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									

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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318592

Sample ID: MB-318592	Client ID:	Units: mg/L	Prep Date: 07/08/2021	Run No: 459625							
SampleType: MBLK	TestCode: APPENDIX II METALS SW6020B	BatchID: 318592	Analysis Date: 07/13/2021	Seq No: 10535098							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	BRL	0.0150									
Nickel	BRL	0.0200									
Selenium	BRL	0.0100									
Silver	BRL	0.0100									
Thallium	BRL	0.00200									
Tin	BRL	0.0500									
Vanadium	BRL	0.0200									
Zinc	BRL	0.0200									

Sample ID: LCS-318592	Client ID:	Units: mg/L	Prep Date: 07/08/2021	Run No: 459624							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 318592	Analysis Date: 07/13/2021	Seq No: 10535053							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09873	0.00600	0.1000		98.7	80	120				
Arsenic	0.1018	0.0100	0.1000		102	80	120				
Barium	0.09670	0.0200	0.1000		96.7	80	120				
Beryllium	0.09628	0.00400	0.1000		96.3	80	120				
Cadmium	0.09857	0.00500	0.1000		98.6	80	120				
Chromium	0.09806	0.0200	0.1000		98.1	80	120				
Cobalt	0.09978	0.0500	0.1000		99.8	80	120				
Copper	0.1023	0.0200	0.1000		102	80	120				
Lead	0.09732	0.0100	0.1000		97.3	80	120				
Nickel	0.09963	0.0400	0.1000		99.6	80	120				
Selenium	0.09899	0.0500	0.1000		99.0	80	120				
Silver	0.01011	0.00500	0.0100		101	80	120				
Thallium	0.09881	0.00200	0.1000		98.8	80	120				
Vanadium	0.09879	0.0500	0.1000		98.8	80	120				
Zinc	0.1007	0.0200	0.1000		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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318592

Sample ID: LCS-318592	Client ID:	Units: mg/L	Prep Date: 07/08/2021	Run No: 459625							
SampleType: LCS	TestCode: APPENDIX II METALS SW6020B	BatchID: 318592	Analysis Date: 07/13/2021	Seq No: 10535099							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09873	0.00600	0.1000		98.7	80	120				
Arsenic	0.1018	0.0100	0.1000		102	80	120				
Barium	0.09670	0.0200	0.1000		96.7	80	120				
Beryllium	0.09628	0.00400	0.1000		96.3	80	120				
Cadmium	0.09857	0.00500	0.1000		98.6	80	120				
Chromium	0.09806	0.0200	0.1000		98.1	80	120				
Cobalt	0.09978	0.0500	0.1000		99.8	80	120				
Copper	0.1023	0.0200	0.1000		102	80	120				
Lead	0.09732	0.0100	0.1000		97.3	80	120				
Nickel	0.09963	0.0400	0.1000		99.6	80	120				
Selenium	0.09899	0.0500	0.1000		99.0	80	120				
Silver	0.01011	0.00500	0.0100		101	80	120				
Thallium	0.09881	0.00200	0.1000		98.8	80	120				
Tin	0.1003	0.0400	0.1000		100	80	120				
Vanadium	0.09879	0.0500	0.1000		98.8	80	120				
Zinc	0.1007	0.0200	0.1000		101	80	120				

Sample ID: 2107339-011CMS	Client ID:	Units: mg/L	Prep Date: 07/08/2021	Run No: 459624							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 318592	Analysis Date: 07/13/2021	Seq No: 10535055							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09707	0.00600	0.1000		97.1	75	125				
Arsenic	0.1003	0.0100	0.1000		100	75	125				
Barium	0.09577	0.0200	0.1000		95.8	75	125				
Beryllium	0.09576	0.00400	0.1000		95.8	75	125				
Cadmium	0.09635	0.00500	0.1000		96.3	75	125				
Chromium	0.09603	0.0200	0.1000		96.0	75	125				
Cobalt	0.09682	0.0500	0.1000		96.8	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318592

Sample ID: 2107339-011CMS	Client ID:	Units: mg/L	Prep Date: 07/08/2021	Run No: 459624							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 318592	Analysis Date: 07/13/2021	Seq No: 10535055							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Copper	0.1002	0.0200	0.1000		100	75	125				
Lead	0.09674	0.0100	0.1000		96.7	75	125				
Nickel	0.09716	0.0400	0.1000		97.2	75	125				
Selenium	0.09822	0.0500	0.1000		98.2	75	125				
Silver	0.009970	0.00500	0.0100		99.7	75	125				
Thallium	0.09658	0.00200	0.1000		96.6	75	125				
Vanadium	0.09620	0.0500	0.1000		96.2	75	125				
Zinc	0.09881	0.0200	0.1000		98.8	75	125				

Sample ID: 2107339-011CMS	Client ID:	Units: mg/L	Prep Date: 07/08/2021	Run No: 459625							
SampleType: MS	TestCode: APPENDIX II METALS SW6020B	BatchID: 318592	Analysis Date: 07/13/2021	Seq No: 10535101							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09707	0.00600	0.1000		97.1	75	125				
Arsenic	0.1003	0.0100	0.1000		100	75	125				
Barium	0.09577	0.0200	0.1000		95.8	75	125				
Beryllium	0.09576	0.00400	0.1000		95.8	75	125				
Cadmium	0.09635	0.00500	0.1000		96.3	75	125				
Chromium	0.09603	0.0200	0.1000		96.0	75	125				
Cobalt	0.09682	0.0500	0.1000		96.8	75	125				
Copper	0.1002	0.0200	0.1000		100	75	125				
Lead	0.09674	0.0100	0.1000		96.7	75	125				
Nickel	0.09716	0.0400	0.1000		97.2	75	125				
Selenium	0.09822	0.0500	0.1000		98.2	75	125				
Silver	0.009970	0.00500	0.0100		99.7	75	125				
Thallium	0.09658	0.00200	0.1000		96.6	75	125				
Tin	0.09798	0.0400	0.1000		98.0	75	125				
Vanadium	0.09620	0.0500	0.1000		96.2	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318592

Sample ID: 2107339-011CMS	Client ID:	Units: mg/L	Prep Date: 07/08/2021	Run No: 459625							
SampleType: MS	TestCode: APPENDIX II METALS SW6020B	BatchID: 318592	Analysis Date: 07/13/2021	Seq No: 10535101							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Zinc 0.09881 0.0200 0.1000 98.8 75 125

Sample ID: 2107339-011CMSD	Client ID:	Units: mg/L	Prep Date: 07/08/2021	Run No: 459624							
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 318592	Analysis Date: 07/13/2021	Seq No: 10535056							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1033	0.00600	0.1000		103	75	125	0.09707	6.19	20	
Arsenic	0.1039	0.0100	0.1000		104	75	125	0.1003	3.47	20	
Barium	0.1000	0.0200	0.1000		100	75	125	0.09577	4.35	20	
Beryllium	0.09858	0.00400	0.1000		98.6	75	125	0.09576	2.90	20	
Cadmium	0.1001	0.00500	0.1000		100	75	125	0.09635	3.82	20	
Chromium	0.09869	0.0200	0.1000		98.7	75	125	0.09603	2.73	20	
Cobalt	0.1005	0.0500	0.1000		100	75	125	0.09682	3.73	20	
Copper	0.1048	0.0200	0.1000		105	75	125	0.1002	4.48	20	
Lead	0.1023	0.0100	0.1000		102	75	125	0.09674	5.61	20	
Nickel	0.1020	0.0400	0.1000		102	75	125	0.09716	4.87	20	
Selenium	0.1006	0.0500	0.1000		101	75	125	0.09822	2.34	20	
Silver	0.01028	0.00500	0.0100		103	75	125	0.009970	3.06	20	
Thallium	0.1027	0.00200	0.1000		103	75	125	0.09658	6.12	20	
Vanadium	0.09875	0.0500	0.1000		98.7	75	125	0.09620	2.61	20	
Zinc	0.1019	0.0200	0.1000		102	75	125	0.09881	3.08	20	

Sample ID: 2107339-011CMSD	Client ID:	Units: mg/L	Prep Date: 07/08/2021	Run No: 459625							
SampleType: MSD	TestCode: APPENDIX II METALS SW6020B	BatchID: 318592	Analysis Date: 07/13/2021	Seq No: 10535103							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1033	0.00600	0.1000		103	75	125	0.09707	6.19	20	
Arsenic	0.1039	0.0100	0.1000		104	75	125	0.1003	3.47	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318592

Sample ID: 2107339-011CMSD	Client ID:	Units: mg/L	Prep Date: 07/08/2021	Run No: 459625
SampleType: MSD	TestCode: APPENDIX II METALS SW6020B	BatchID: 318592	Analysis Date: 07/13/2021	Seq No: 10535103

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Barium	0.1000	0.0200	0.1000		100	75	125	0.09577	4.35	20	
Beryllium	0.09858	0.00400	0.1000		98.6	75	125	0.09576	2.90	20	
Cadmium	0.1001	0.00500	0.1000		100	75	125	0.09635	3.82	20	
Chromium	0.09869	0.0200	0.1000		98.7	75	125	0.09603	2.73	20	
Cobalt	0.1005	0.0500	0.1000		100	75	125	0.09682	3.73	20	
Copper	0.1048	0.0200	0.1000		105	75	125	0.1002	4.48	20	
Lead	0.1023	0.0100	0.1000		102	75	125	0.09674	5.61	20	
Nickel	0.1020	0.0400	0.1000		102	75	125	0.09716	4.87	20	
Selenium	0.1006	0.0500	0.1000		101	75	125	0.09822	2.34	20	
Silver	0.01028	0.00500	0.0100		103	75	125	0.009970	3.06	20	
Thallium	0.1027	0.00200	0.1000		103	75	125	0.09658	6.12	20	
Tin	0.1046	0.0400	0.1000		105	75	125	0.09798	6.57	20	
Vanadium	0.09875	0.0500	0.1000		98.7	75	125	0.09620	2.61	20	
Zinc	0.1019	0.0200	0.1000		102	75	125	0.09881	3.08	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318630

Sample ID: MB-318630	Client ID:	Units: mg/L	Prep Date: 07/09/2021	Run No: 459335							
SampleType: MBLK	TestCode: Mercury, Total SW7470A	BatchID: 318630	Analysis Date: 07/09/2021	Seq No: 10527995							
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-318630	Client ID:	Units: mg/L	Prep Date: 07/09/2021	Run No: 459335							
SampleType: LCS	TestCode: Mercury, Total SW7470A	BatchID: 318630	Analysis Date: 07/09/2021	Seq No: 10527996							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.003668 0.00020 0.0040 91.7 80 120

Sample ID: 2107339-011CMS	Client ID:	Units: mg/L	Prep Date: 07/09/2021	Run No: 459335							
SampleType: MS	TestCode: Mercury, Total SW7470A	BatchID: 318630	Analysis Date: 07/09/2021	Seq No: 10527998							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.003688 0.00020 0.0040 92.2 75 125

Sample ID: 2107339-011CMSD	Client ID:	Units: mg/L	Prep Date: 07/09/2021	Run No: 459335							
SampleType: MSD	TestCode: Mercury, Total SW7470A	BatchID: 318630	Analysis Date: 07/09/2021	Seq No: 10527999							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.004101 0.00020 0.0040 103 75 125 0.003688 10.6 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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318650

Sample ID: MB-318650	Client ID:	Units: mg/L	Prep Date: 07/13/2021	Run No: 459586							
SampleType: MBLK	TestCode: METALS, TOTAL SW6010D	BatchID: 318650	Analysis Date: 07/13/2021	Seq No: 10533876							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Selenium	BRL	0.0200									
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Sample ID: LCS-318650	Client ID:	Units: mg/L	Prep Date: 07/13/2021	Run No: 459586							
SampleType: LCS	TestCode: METALS, TOTAL SW6010D	BatchID: 318650	Analysis Date: 07/13/2021	Seq No: 10533877							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Selenium	1.007	0.0200	1.000		101	80	120				
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Sample ID: 2107501-001CMS	Client ID:	Units: mg/L	Prep Date: 07/13/2021	Run No: 459586							
SampleType: MS	TestCode: METALS, TOTAL SW6010D	BatchID: 318650	Analysis Date: 07/13/2021	Seq No: 10533879							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Selenium	1.009	0.0200	1.000		101	75	125				
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Sample ID: 2107501-001CMSD	Client ID:	Units: mg/L	Prep Date: 07/13/2021	Run No: 459586							
SampleType: MSD	TestCode: METALS, TOTAL SW6010D	BatchID: 318650	Analysis Date: 07/13/2021	Seq No: 10533880							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Selenium	1.016	0.0200	1.000		102	75	125	1.009	0.750	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318652

Sample ID: MB-318652	Client ID:	Units: mg/L	Prep Date: 07/09/2021	Run No: 459618							
SampleType: MBLK	TestCode: METALS, DISSOLVED SW6010D	BatchID: 318652	Analysis Date: 07/13/2021	Seq No: 10535164							
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									
Silver	BRL	0.0100									
Zinc	BRL	0.0200									

Sample ID: LCS-318652	Client ID:	Units: mg/L	Prep Date: 07/09/2021	Run No: 459618							
SampleType: LCS	TestCode: METALS, DISSOLVED SW6010D	BatchID: 318652	Analysis Date: 07/13/2021	Seq No: 10535165							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.8917	0.0500	1.000		89.2	80	120				
Barium	0.8694	0.0200	1.000		86.9	80	120				
Cadmium	0.8782	0.0050	1.000		87.8	80	120				
Chromium	0.8386	0.0100	1.000		83.9	80	120				
Lead	0.8748	0.0100	1.000		87.5	80	120				
Nickel	0.8736	0.0200	1.000		87.4	80	120				
Silver	0.09044	0.0100	0.1000		90.4	80	120				
Zinc	0.9071	0.0200	1.000		90.7	80	120				

Sample ID: 2107682-001DMS	Client ID: CWS-2 (070721)	Units: mg/L	Prep Date: 07/09/2021	Run No: 459618							
SampleType: MS	TestCode: METALS, DISSOLVED SW6010D	BatchID: 318652	Analysis Date: 07/13/2021	Seq No: 10535169							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.9065	0.0500	1.000		90.6	75	125				
Barium	0.9066	0.0200	1.000	0.01311	89.3	75	125				

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

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County MOU Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318652

Sample ID: 2107682-001DMS	Client ID: CWS-2 (070721)	Units: mg/L	Prep Date: 07/09/2021	Run No: 459618							
SampleType: MS	TestCode: METALS, DISSOLVED SW6010D	BatchID: 318652	Analysis Date: 07/13/2021	Seq No: 10535169							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cadmium	0.9069	0.0050	1.000		90.7	75	125				
Chromium	0.8648	0.0100	1.000		86.5	75	125				
Lead	0.8913	0.0100	1.000	0.003880	88.7	75	125				
Nickel	0.8946	0.0200	1.000	0.01187	88.3	75	125				
Silver	0.09301	0.0100	0.1000		93.0	75	125				
Zinc	0.9261	0.0200	1.000		92.6	75	125				

Sample ID: 2107682-001DMSD	Client ID: CWS-2 (070721)	Units: mg/L	Prep Date: 07/09/2021	Run No: 459618							
SampleType: MSD	TestCode: METALS, DISSOLVED SW6010D	BatchID: 318652	Analysis Date: 07/13/2021	Seq No: 10535170							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.9363	0.0500	1.000		93.6	75	125	0.9065	3.24	20	
Barium	0.9231	0.0200	1.000	0.01311	91.0	75	125	0.9066	1.81	20	
Cadmium	0.9222	0.0050	1.000		92.2	75	125	0.9069	1.67	20	
Chromium	0.8815	0.0100	1.000		88.1	75	125	0.8648	1.91	20	
Lead	0.9073	0.0100	1.000	0.003880	90.3	75	125	0.8913	1.79	20	
Nickel	0.9045	0.0200	1.000	0.01187	89.3	75	125	0.8946	1.09	20	
Silver	0.09472	0.0100	0.1000		94.7	75	125	0.09301	1.82	20	
Zinc	0.9446	0.0200	1.000		94.5	75	125	0.9261	1.98	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318677

Sample ID: MB-318677	Client ID:	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 318677	Analysis Date: 07/08/2021	Seq No: 10527660

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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318677

Sample ID: MB-318677	Client ID:	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 318677	Analysis Date: 07/08/2021	Seq No: 10527660							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dibromomethane	BRL	5.0									
Ethylbenzene	BRL	5.0									
Iodomethane	BRL	10									
Methylene chloride	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	10									
Surr: 4-Bromofluorobenzene	57.30	0	50.00		115	74.9	127				
Surr: Dibromofluoromethane	56.26	0	50.00		113	78.9	121				
Surr: Toluene-d8	56.12	0	50.00		112	81.5	120				

Sample ID: MB-318677	Client ID:	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 318677	Analysis Date: 07/08/2021	Seq No: 10527661							
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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318677

Sample ID: MB-318677	Client ID:	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 318677	Analysis Date: 07/08/2021	Seq No: 10527661							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1,2-Tetrachloroethane	BRL	1.0									
1,1,1-Trichloroethane	BRL	1.0									
1,1,2,2-Tetrachloroethane	BRL	1.0									
1,1,2-Trichloroethane	BRL	1.0									
1,1-Dichloroethane	BRL	1.0									
1,1-Dichloroethene	BRL	2.0									
1,1-Dichloropropene	BRL	1.0									
1,2,3-Trichloropropane	BRL	1.0									
1,2,4-Trichlorobenzene	BRL	1.0									
1,2-Dichlorobenzene	BRL	1.0									
1,2-Dichloroethane	BRL	1.0									
1,2-Dichloropropane	BRL	1.0									
1,3-Dichlorobenzene	BRL	1.0									
1,3-Dichloropropane	BRL	1.0									
1,4-Dichlorobenzene	BRL	1.0									
2,2-Dichloropropane	BRL	2.0									
2-Butanone	BRL	10									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	20									
Acrolein	BRL	5.0									
Acrylonitrile	BRL	5.0									
Benzene	BRL	1.0									
Bromochloromethane	BRL	1.0									
Bromodichloromethane	BRL	1.0									
Bromoform	BRL	1.0									
Bromomethane	BRL	1.0									

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

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County MOU Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318677

Sample ID: MB-318677	Client ID:	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 318677	Analysis Date: 07/08/2021	Seq No: 10527661							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	2.0									
Chlorobenzene	BRL	1.0									
Chloroethane	BRL	1.0									
Chloroform	BRL	1.0									
Chloromethane	BRL	1.0									
cis-1,2-Dichloroethene	BRL	1.0									
cis-1,3-Dichloropropene	BRL	1.0									
Dibromochloromethane	BRL	1.0									
Dibromomethane	BRL	1.0									
Dichlorodifluoromethane	BRL	1.0									
Ethylbenzene	BRL	1.0									
Iodomethane	BRL	2.0									
Methylene chloride	BRL	5.0									
Naphthalene	BRL	5.0									
Styrene	BRL	1.0									
Tetrachloroethene	BRL	1.0									
Toluene	BRL	1.0									
trans-1,2-Dichloroethene	BRL	2.0									
trans-1,3-Dichloropropene	BRL	2.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	1.0									
Trichlorofluoromethane	BRL	1.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	1.0									
Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	57.30	0	50.00		115	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318677

Sample ID: MB-318677	Client ID:	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 318677	Analysis Date: 07/08/2021	Seq No: 10527661							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: Dibromofluoromethane	56.26	0	50.00		113	70	130				
Surr: Toluene-d8	56.12	0	50.00		112	70	130				

Sample ID: MB-318677	Client ID:	Units: ug/L	Prep Date: 07/08/2021	Run No: 459685							
SampleType: MBLK	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 318677	Analysis Date: 07/13/2021	Seq No: 10537369							
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									
Propionitrile	BRL	100									
Surr: 4-Bromofluorobenzene	50.82	0	50.00		102	70	130				
Surr: Dibromofluoromethane	52.62	0	50.00		105	70	130				
Surr: Toluene-d8	53.59	0	50.00		107	70	130				

Sample ID: LCS-318677	Client ID:	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 318677	Analysis Date: 07/08/2021	Seq No: 10527718							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	15.82	5.00	20.00		79.1	67.3	134				
Benzene	21.17	5.00	20.00		106	78.6	124				
Chlorobenzene	21.61	5.00	20.00		108	78.9	127				
Toluene	20.50	5.00	20.00		102	77.7	125				
Trichloroethene	20.59	5.00	20.00		103	77	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318677

Sample ID: LCS-318677	Client ID:	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 318677	Analysis Date: 07/08/2021	Seq No: 10527718							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: 4-Bromofluorobenzene	56.99	0	50.00		114	74.9	127				
Surr: Dibromofluoromethane	57.64	0	50.00		115	78.9	121				
Surr: Toluene-d8	56.59	0	50.00		113	81.5	120				

Sample ID: 2107633-035AMS	Client ID: GW-2	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 318677	Analysis Date: 07/13/2021	Seq No: 10534696							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	25.75	5.0	20.00		129	67.6	143				
Benzene	25.36	5.0	20.00		127	70.5	136				
Chlorobenzene	24.96	5.0	20.00		125	77.1	133				
Toluene	23.72	5.0	20.00		119	66.4	140				
Trichloroethene	25.02	5.0	20.00		125	75.1	140				
Surr: 4-Bromofluorobenzene	57.10	0	50.00		114	74.9	127				
Surr: Dibromofluoromethane	57.20	0	50.00		114	78.9	121				
Surr: Toluene-d8	57.03	0	50.00		114	81.5	120				

Sample ID: 2107633-035AMS	Client ID: GW-2	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 318677	Analysis Date: 07/13/2021	Seq No: 10534698							
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	20.27	1.0	20.00		101	73.2	139				
1,1,1-Trichloroethane	24.17	1.0	20.00		121	71	140				
1,1,2,2-Tetrachloroethane	20.58	1.0	20.00		103	68.4	135				
1,1,2-Trichloroethane	22.46	1.0	20.00		112	72.8	134				
1,1-Dichloroethane	25.80	1.0	20.00		129	68	137				
1,1-Dichloroethene	25.75	2.0	20.00		129	67.6	143				
1,1-Dichloropropene	26.49	1.0	20.00		132	76.9	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318677

Sample ID: 2107633-035AMS	Client ID: GW-2	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 318677	Analysis Date: 07/13/2021	Seq No: 10534698

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2,3-Trichloropropane	21.19	1.0	20.00		106	61.1	134				
1,2,4-Trichlorobenzene	23.45	1.0	20.00		117	60	138				
1,2-Dichlorobenzene	24.21	1.0	20.00		121	73.2	134				
1,2-Dichloroethane	24.04	1.0	20.00		120	72.1	135				
1,2-Dichloropropane	24.64	1.0	20.00		123	72	135				
1,3-Dichlorobenzene	24.30	1.0	20.00		122	73	134				
1,3-Dichloropropane	22.77	1.0	20.00		114	73.1	132				
1,4-Dichlorobenzene	24.11	1.0	20.00		121	73	133				
2,2-Dichloropropane	27.26	2.0	20.00		136	55.4	139				
Benzene	25.36	1.0	20.00		127	70.5	136				
Bromochloromethane	25.60	1.0	20.00		128	71.2	133				
Bromodichloromethane	21.25	1.0	20.00		106	71.8	135				
Bromoform	13.56	1.0	20.00		67.8	57.2	136				
Carbon tetrachloride	20.37	2.0	20.00		102	72.4	144				
Chlorobenzene	24.96	1.0	20.00		125	77.1	133				
Chloroform	24.76	1.0	20.00		124	71.7	134				
cis-1,2-Dichloroethene	25.22	1.0	20.00		126	71.4	136				
cis-1,3-Dichloropropene	20.74	1.0	20.00		104	68.3	131				
Dibromochloromethane	17.55	1.0	20.00		87.8	67.5	136				
Dibromomethane	22.41	1.0	20.00		112	72.6	134				
Ethylbenzene	25.03	1.0	20.00		125	70	134				
Methylene chloride	23.20	5.0	20.00		116	65.4	132				
Naphthalene	16.51	5.0	20.00		82.6	58.6	135				
Styrene	24.30	1.0	20.00		122	77.3	134				
Tetrachloroethene	25.80	1.0	20.00		129	72.9	141				
Toluene	23.72	1.0	20.00		119	66.4	140				
trans-1,2-Dichloroethene	26.81	2.0	20.00		134	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318677

Sample ID: 2107633-035AMS	Client ID: GW-2	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350							
SampleType: MS	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 318677	Analysis Date: 07/13/2021	Seq No: 10534698							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

trans-1,3-Dichloropropene	19.97	2.0	20.00		99.8	65.2	130				
Trichloroethene	25.02	1.0	20.00		125	75.1	140				
Trichlorofluoromethane	23.67	1.0	20.00		118	70	130				
Vinyl chloride	21.34	1.0	20.00		107	60.7	145				
Xylenes, Total	76.35	1.0	60.00		127	65.4	138				
Surr: 4-Bromofluorobenzene	57.10	0	50.00		114	70	130				
Surr: Dibromofluoromethane	57.20	0	50.00		114	70	130				
Surr: Toluene-d8	57.03	0	50.00		114	70	130				

Sample ID: 2107633-035AMSD	Client ID: GW-2	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 318677	Analysis Date: 07/13/2021	Seq No: 10534697							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	23.92	5.0	20.00		120	67.6	143	25.75	7.37	19.6	
Benzene	24.54	5.0	20.00		123	70.5	136	25.36	3.29	20	
Chlorobenzene	24.15	5.0	20.00		121	77.1	133	24.96	3.30	20	
Toluene	23.01	5.0	20.00		115	66.4	140	23.72	3.04	20	
Trichloroethene	25.45	5.0	20.00		127	75.1	140	25.02	1.70	20	
Surr: 4-Bromofluorobenzene	57.77	0	50.00		116	74.9	127	57.10	0	0	
Surr: Dibromofluoromethane	57.66	0	50.00		115	78.9	121	57.20	0	0	
Surr: Toluene-d8	56.73	0	50.00		113	81.5	120	57.03	0	0	

Sample ID: 2107633-035AMSD	Client ID: GW-2	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350							
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 318677	Analysis Date: 07/13/2021	Seq No: 10534699							
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	20.48	1.0	20.00		102	73.2	139	20.27	1.03	20	
1,1,1-Trichloroethane	23.30	1.0	20.00		116	71	140	24.17	3.67	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318677

Sample ID: 2107633-035AMSD	Client ID: GW-2	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 318677	Analysis Date: 07/13/2021	Seq No: 10534699

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,2,2-Tetrachloroethane	20.27	1.0	20.00		101	68.4	135	20.58	1.52	20	
1,1,2-Trichloroethane	22.04	1.0	20.00		110	72.8	134	22.46	1.89	20	
1,1-Dichloroethane	24.20	1.0	20.00		121	68	137	25.80	6.40	20	
1,1-Dichloroethene	23.92	2.0	20.00		120	67.6	143	25.75	7.37	19.6	
1,1-Dichloropropene	25.15	1.0	20.00		126	76.9	138	26.49	5.19	20	
1,2,3-Trichloropropane	22.80	1.0	20.00		114	61.1	134	21.19	7.32	20	
1,2,4-Trichlorobenzene	22.93	1.0	20.00		115	60	138	23.45	2.24	21.7	
1,2-Dichlorobenzene	23.35	1.0	20.00		117	73.2	134	24.21	3.62	20	
1,2-Dichloroethane	24.03	1.0	20.00		120	72.1	135	24.04	0.042	20	
1,2-Dichloropropane	23.69	1.0	20.00		118	72	135	24.64	3.93	20	
1,3-Dichlorobenzene	23.52	1.0	20.00		118	73	134	24.30	3.26	20	
1,3-Dichloropropane	21.86	1.0	20.00		109	73.1	132	22.77	4.08	20	
1,4-Dichlorobenzene	22.62	1.0	20.00		113	73	133	24.11	6.38	20	
2,2-Dichloropropane	26.29	2.0	20.00		131	55.4	139	27.26	3.62	23	
Benzene	24.54	1.0	20.00		123	70.5	136	25.36	3.29	20	
Bromochloromethane	24.56	1.0	20.00		123	71.2	133	25.60	4.15	20	
Bromodichloromethane	21.20	1.0	20.00		106	71.8	135	21.25	0.236	20	
Bromoform	13.81	1.0	20.00		69.0	57.2	136	13.56	1.83	20	
Carbon tetrachloride	19.96	2.0	20.00		99.8	72.4	144	20.37	2.03	20	
Chlorobenzene	24.15	1.0	20.00		121	77.1	133	24.96	3.30	20	
Chloroform	23.86	1.0	20.00		119	71.7	134	24.76	3.70	20	
cis-1,2-Dichloroethene	25.08	1.0	20.00		125	71.4	136	25.22	0.557	20	
cis-1,3-Dichloropropene	20.70	1.0	20.00		104	68.3	131	20.74	0.193	20	
Dibromochloromethane	17.89	1.0	20.00		89.4	67.5	136	17.55	1.92	20	
Dibromomethane	22.38	1.0	20.00		112	72.6	134	22.41	0.134	20	
Ethylbenzene	24.06	1.0	20.00		120	70	134	25.03	3.95	20	
Methylene chloride	21.55	5.0	20.00		108	65.4	132	23.20	7.37	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: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318677

Sample ID: 2107633-035AMSD	Client ID: GW-2	Units: ug/L	Prep Date: 07/08/2021	Run No: 459350
SampleType: MSD	TestCode: Volatile Organic Compounds by GC/MS SW8260D	BatchID: 318677	Analysis Date: 07/13/2021	Seq No: 10534699

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Naphthalene	17.00	5.0	20.00		85.0	58.6	135	16.51	2.92	22.7	
Styrene	23.50	1.0	20.00		118	77.3	134	24.30	3.35	20	
Tetrachloroethene	24.87	1.0	20.00		124	72.9	141	25.80	3.67	20	
Toluene	23.01	1.0	20.00		115	66.4	140	23.72	3.04	20	
trans-1,2-Dichloroethene	25.08	2.0	20.00		125	69.7	138	26.81	6.67	20	
trans-1,3-Dichloropropene	19.68	2.0	20.00		98.4	65.2	130	19.97	1.46	20	
Trichloroethene	25.45	1.0	20.00		127	75.1	140	25.02	1.70	20	
Trichlorofluoromethane	21.84	1.0	20.00		109	70	130	23.67	8.04	30	
Vinyl chloride	19.68	1.0	20.00		98.4	60.7	145	21.34	8.09	21.1	
Xylenes, Total	74.49	1.0	60.00		124	65.4	138	76.35	2.47	20	
Surr: 4-Bromofluorobenzene	57.77	0	50.00		116	70	130	57.10	0	0	
Surr: Dibromofluoromethane	57.66	0	50.00		115	70	130	57.20	0	0	
Surr: Toluene-d8	56.73	0	50.00		113	70	130	57.03	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: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318696

Sample ID: MB-318696	Client ID:	Units: ug/L	Prep Date: 07/12/2021	Run No: 459718							
SampleType: MBLK	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 318696	Analysis Date: 07/12/2021	Seq No: 10537510							
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	0.3917	0	0.5000		78.3	30	120				
Surr: Tetrachloro-m-xylene	0.3924	0	0.5000		78.5	46.5	120				

Sample ID: LCS-318696	Client ID:	Units: ug/L	Prep Date: 07/12/2021	Run No: 459718							
SampleType: LCS	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 318696	Analysis Date: 07/12/2021	Seq No: 10537511							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	4.520	0.50	5.000		90.4	73.2	118				
Aroclor 1260	4.421	0.50	5.000		88.4	60	120				
Surr: Decachlorobiphenyl	0.4108	0	0.5000		82.2	30	120				
Surr: Tetrachloro-m-xylene	0.4026	0	0.5000		80.5	46.5	120				

Sample ID: 2107466-003BMS	Client ID: GWC-12R	Units: ug/L	Prep Date: 07/12/2021	Run No: 459718							
SampleType: MS	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 318696	Analysis Date: 07/12/2021	Seq No: 10537515							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Aroclor 1016	7.050	0.50	5.000		141	60.4	127				S
Aroclor 1260	5.293	0.50	5.000		106	51	121				
Surr: Decachlorobiphenyl	0.4798	0	0.5000		96.0	30	120				
Surr: Tetrachloro-m-xylene	1.553	0	0.5000		311	46.5	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318696

Sample ID: 2107466-003BMSD	Client ID: GWC-12R	Units: ug/L	Prep Date: 07/12/2021	Run No: 459718
SampleType: MSD	TestCode: POLYCHLORINATED BIPHENYLS SW8082A	BatchID: 318696	Analysis Date: 07/12/2021	Seq No: 10537518

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Aroclor 1016	5.745	0.50	5.000		115	60.4	127	7.050	20.4	19	R
Aroclor 1260	4.852	0.50	5.000		97.0	51	121	5.293	8.69	20.1	
Surr: Decachlorobiphenyl	0.4562	0	0.5000		91.2	30	120	0.4798	0	0	
Surr: Tetrachloro-m-xylene	1.643	0	0.5000		329	46.5	120	1.553	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318697

Sample ID: MB-318697	Client ID:	Units: ug/L	Prep Date: 07/12/2021	Run No: 459706							
SampleType: MBLK	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 318697	Analysis Date: 07/12/2021	Seq No: 10537179							
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	0.4135	0	0.5000		82.7	22.9	130				
Surr: Tetrachloro-m-xylene	0.3808	0	0.5000		76.2	37.9	130				

Sample ID: LCS-318697	Client ID:	Units: ug/L	Prep Date: 07/12/2021	Run No: 459706							
SampleType: LCS	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 318697	Analysis Date: 07/12/2021	Seq No: 10537180							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	0.9111	0.10	1.000		91.1	61	127				
Aldrin	0.8262	0.050	1.000		82.6	60.6	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318697

Sample ID: LCS-318697	Client ID:	Units: ug/L	Prep Date: 07/12/2021	Run No: 459706							
SampleType: LCS	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 318697	Analysis Date: 07/12/2021	Seq No: 10537180							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Dieldrin	0.8486	0.10	1.000		84.9	66.8	130				
Endrin	0.9831	0.10	1.000		98.3	72.2	135				
gamma-BHC	0.8555	0.050	1.000		85.5	70.2	129				
Heptachlor	0.8788	0.050	1.000		87.9	65.1	131				
Surr: Decachlorobiphenyl	0.4344	0	0.5000		86.9	22.9	130				
Surr: Tetrachloro-m-xylene	0.3641	0	0.5000		72.8	37.9	130				

Sample ID: 2107591-002CMS	Client ID:	Units: ug/L	Prep Date: 07/12/2021	Run No: 459706							
SampleType: MS	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 318697	Analysis Date: 07/12/2021	Seq No: 10537182							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	0.6726	0.10	1.000		67.3	42.4	138				
Aldrin	0.6770	0.050	1.000		67.7	46.4	119				
Dieldrin	0.7956	0.10	1.000		79.6	44.9	138				
Endrin	0.8979	0.10	1.000		89.8	58	140				
gamma-BHC	0.7649	0.050	1.000		76.5	56.5	137				
Heptachlor	0.7759	0.050	1.000		77.6	43.6	134				
Surr: Decachlorobiphenyl	0.3906	0	0.5000		78.1	22.9	130				
Surr: Tetrachloro-m-xylene	0.4445	0	0.5000		88.9	37.9	130				

Sample ID: 2107591-002CMSD	Client ID:	Units: ug/L	Prep Date: 07/12/2021	Run No: 459706							
SampleType: MSD	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 318697	Analysis Date: 07/12/2021	Seq No: 10537183							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

4,4'-DDT	0.6924	0.10	1.000		69.2	42.4	138	0.6726	2.90	20	
Aldrin	0.7257	0.050	1.000		72.6	46.4	119	0.6770	6.95	20	
Dieldrin	0.8409	0.10	1.000		84.1	44.9	138	0.7956	5.53	20	
Endrin	0.9677	0.10	1.000		96.8	58	140	0.8979	7.49	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318697

Sample ID: 2107591-002CMSD	Client ID:	Units: ug/L	Prep Date: 07/12/2021	Run No: 459706
SampleType: MSD	TestCode: CHLORINATED PESTICIDES, APPENDIX II LIST SW8081B	BatchID: 318697	Analysis Date: 07/12/2021	Seq No: 10537183

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
gamma-BHC	0.8250	0.050	1.000		82.5	56.5	137	0.7649	7.56	20	
Heptachlor	0.8372	0.050	1.000		83.7	43.6	134	0.7759	7.59	21.3	
Surr: Decachlorobiphenyl	0.4366	0	0.5000		87.3	22.9	130	0.3906	0	0	
Surr: Tetrachloro-m-xylene	0.4724	0	0.5000		94.5	37.9	130	0.4445	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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318702

Sample ID: MB-318702	Client ID:	Units: mg/L	Prep Date: 07/12/2021	Run No: 459484							
SampleType: MBLK	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 318702	Analysis Date: 07/12/2021	Seq No: 10531286							
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-318702	Client ID:	Units: mg/L	Prep Date: 07/12/2021	Run No: 459484							
SampleType: LCS	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 318702	Analysis Date: 07/12/2021	Seq No: 10531287							
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 85 115

Sample ID: 2107466-006CMS	Client ID: SWC-9	Units: mg/L	Prep Date: 07/12/2021	Run No: 459484							
SampleType: MS	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 318702	Analysis Date: 07/12/2021	Seq No: 10531301							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.1010 0.010 0.1000 101 90 110

Sample ID: 2107591-002EMS	Client ID:	Units: mg/L	Prep Date: 07/12/2021	Run No: 459484							
SampleType: MS	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 318702	Analysis Date: 07/12/2021	Seq No: 10531289							
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 0.02000 96.0 90 110

Sample ID: 2107591-002EMSD	Client ID:	Units: mg/L	Prep Date: 07/12/2021	Run No: 459484							
SampleType: MSD	TestCode: Total Cyanide (SM4500 CN-C, E)	BatchID: 318702	Analysis Date: 07/12/2021	Seq No: 10531290							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.1150 0.010 0.1000 0.02000 95.0 90 110 0.1160 0.866 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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318828

Sample ID: MB-318828	Client ID:	Units: mg/L	Prep Date: 07/13/2021	Run No: 459644							
SampleType: MBLK	TestCode: Mercury, Total SW7470A	BatchID: 318828	Analysis Date: 07/13/2021	Seq No: 10535568							
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-318828	Client ID:	Units: mg/L	Prep Date: 07/13/2021	Run No: 459644							
SampleType: LCS	TestCode: Mercury, Total SW7470A	BatchID: 318828	Analysis Date: 07/13/2021	Seq No: 10535569							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.003939 0.00020 0.0040 98.5 80 120

Sample ID: 2107466-006DMS	Client ID: SWC-9	Units: mg/L	Prep Date: 07/13/2021	Run No: 459644							
SampleType: MS	TestCode: Mercury, Total SW7470A	BatchID: 318828	Analysis Date: 07/13/2021	Seq No: 10535571							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.003886 0.00020 0.0040 97.2 75 125

Sample ID: 2107466-006DMSD	Client ID: SWC-9	Units: mg/L	Prep Date: 07/13/2021	Run No: 459644							
SampleType: MSD	TestCode: Mercury, Total SW7470A	BatchID: 318828	Analysis Date: 07/13/2021	Seq No: 10535572							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.003894 0.00020 0.0040 97.4 75 125 0.003886 0.206 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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318839

Sample ID: MB-318839	Client ID:	Units: mg/L	Prep Date: 07/13/2021	Run No: 459632							
SampleType: MBLK	TestCode: Cyanide SW9014	BatchID: 318839	Analysis Date: 07/13/2021	Seq No: 10535277							
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-318839	Client ID:	Units: mg/L	Prep Date: 07/13/2021	Run No: 459632							
SampleType: LCS	TestCode: Cyanide SW9014	BatchID: 318839	Analysis Date: 07/13/2021	Seq No: 10535278							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.2600 0.010 0.2500 104 85 115

Sample ID: 2107B64-002AMS	Client ID:	Units: mg/L	Prep Date: 07/13/2021	Run No: 459632							
SampleType: MS	TestCode: Cyanide SW9014	BatchID: 318839	Analysis Date: 07/13/2021	Seq No: 10535280							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.2650 0.010 0.2500 106 70 130

Sample ID: 2107B64-002AMSD	Client ID:	Units: mg/L	Prep Date: 07/13/2021	Run No: 459632							
SampleType: MSD	TestCode: Cyanide SW9014	BatchID: 318839	Analysis Date: 07/13/2021	Seq No: 10535281							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.2490 0.010 0.2500 99.6 70 130 0.2650 6.23 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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: 318840

Sample ID: MB-318840	Client ID:	Units: mg/L	Prep Date: 07/13/2021	Run No: 459698							
SampleType: MBLK	TestCode: Sulfide by SW9030B/9034	BatchID: 318840	Analysis Date: 07/13/2021	Seq No: 10536998							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide 0 2.00

Sample ID: LCS-318840	Client ID:	Units: mg/L	Prep Date: 07/13/2021	Run No: 459698							
SampleType: LCS	TestCode: Sulfide by SW9030B/9034	BatchID: 318840	Analysis Date: 07/13/2021	Seq No: 10536999							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide 224.0 2.00 224.0 100 70 130

Sample ID: 2107466-003CMS	Client ID: GWC-12R	Units: mg/L	Prep Date: 07/13/2021	Run No: 459698							
SampleType: MS	TestCode: Sulfide by SW9030B/9034	BatchID: 318840	Analysis Date: 07/13/2021	Seq No: 10537001							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide 11.00 2.00 11.20 98.2 63.4 129

Sample ID: 2107466-003CMSD	Client ID: GWC-12R	Units: mg/L	Prep Date: 07/13/2021	Run No: 459698							
SampleType: MSD	TestCode: Sulfide by SW9030B/9034	BatchID: 318840	Analysis Date: 07/13/2021	Seq No: 10537002							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Sulfide 10.80 2.00 11.20 96.4 63.4 129 11.00 1.83 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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: R459239

Sample ID: MB-R459239	Client ID:	Units: mg/L	Prep Date:	Run No: 459239							
SampleType: MBLK	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R459239	Analysis Date: 07/08/2021	Seq No: 10523843							
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-R459239	Client ID:	Units: mg/L	Prep Date:	Run No: 459239							
SampleType: LCS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R459239	Analysis Date: 07/08/2021	Seq No: 10523844							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 505.4 10.0 500.0 101 90 110

Sample ID: 2107095-002CMS	Client ID:	Units: mg/L	Prep Date:	Run No: 459239							
SampleType: MS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R459239	Analysis Date: 07/08/2021	Seq No: 10523846							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 611.8 12.5 375.0 238.4 99.6 90 110

Sample ID: 2107421-001BMS	Client ID:	Units: mg/L	Prep Date:	Run No: 459239							
SampleType: MS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R459239	Analysis Date: 07/08/2021	Seq No: 10523859							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 443.5 12.5 375.0 60.31 102 90 110

Sample ID: 2107095-002CMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 459239							
SampleType: MSD	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R459239	Analysis Date: 07/08/2021	Seq No: 10523847							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 637.5 12.5 375.0 238.4 106 90 110 611.8 4.11 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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: R459279

Sample ID: MB-R459279	Client ID:	Units: mg/L	Prep Date:	Run No: 459279							
SampleType: MBLK	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R459279	Analysis Date: 07/08/2021	Seq No: 10525630							
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-R459279	Client ID:	Units: mg/L	Prep Date:	Run No: 459279							
SampleType: LCS	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R459279	Analysis Date: 07/08/2021	Seq No: 10525626							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

23.46 1.00 25.00 93.8 90 110

Sample ID: LCSD-R459279	Client ID:	Units: mg/L	Prep Date:	Run No: 459279							
SampleType: LCSD	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R459279	Analysis Date: 07/08/2021	Seq No: 10525628							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

23.52 1.00 25.00 94.1 90 110 0 0 20

Sample ID: 2107189-007ADUP	Client ID:	Units: mg/L	Prep Date:	Run No: 459279							
SampleType: DUP	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R459279	Analysis Date: 07/08/2021	Seq No: 10525636							
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 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 Assisstance
Workorder: 2107466

ANALYTICAL QC SUMMARY REPORT

BatchID: R459558

Sample ID: MB-R459558	Client ID:	Units: mg/L	Prep Date:	Run No: 459558							
SampleType: MBLK	TestCode: Inorganic Anions by IC E300.0	BatchID: R459558	Analysis Date: 07/09/2021	Seq No: 10532829							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride BRL 1.00

Sample ID: LCS-R459558	Client ID:	Units: mg/L	Prep Date:	Run No: 459558							
SampleType: LCS	TestCode: Inorganic Anions by IC E300.0	BatchID: R459558	Analysis Date: 07/09/2021	Seq No: 10532828							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 9.695 1.00 10.00 97.0 90 110

Sample ID: 2107466-006BMS	Client ID: SWC-9	Units: mg/L	Prep Date:	Run No: 459558							
SampleType: MS	TestCode: Inorganic Anions by IC E300.0	BatchID: R459558	Analysis Date: 07/10/2021	Seq No: 10532853							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 11.37 1.00 10.00 2.225 91.4 90 110

Sample ID: 2107608-001BMS	Client ID:	Units: mg/L	Prep Date:	Run No: 459558							
SampleType: MS	TestCode: Inorganic Anions by IC E300.0	BatchID: R459558	Analysis Date: 07/10/2021	Seq No: 10532855							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 20.46 1.00 10.00 10.47 99.9 90 110

Sample ID: 2107466-006BMSD	Client ID: SWC-9	Units: mg/L	Prep Date:	Run No: 459558							
SampleType: MSD	TestCode: Inorganic Anions by IC E300.0	BatchID: R459558	Analysis Date: 07/10/2021	Seq No: 10532854							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 11.59 1.00 10.00 2.225 93.7 90 110 11.37 1.96 20

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

End of Report