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June 28, 2022

Transmitted via FedEx
Tracking: 777245922927

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

Dear Mr. Buckles:

As described in the Fee Estimate provided to Forsyth County, Atlantic Coast Consulting, Inc. (ACC) provided a qualified groundwater scientist to attend one day of the Eagle Point Landfill's (EPL) first 2022 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 January 3, 2022. ACC's field representative, geologist Taylor Goble, was present to complete QA activities on January 4, 2022. He met with Environmental Monitoring Services, LLC (EMS), the subcontracted sampling team of GFL Environmental and observed the sampling being performed at the site and obtained QA split samples. ACC's QA split sampling included a subset of wells and surface water/underdrain sample points consisting of three (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 GFL Environmental's sampling representatives, as observed by ACC.

- A new pair of nitrile gloves was donned prior to beginning sampling at a well. When purging was complete, another new pair of nitrile gloves was donned prior to sampling.
- A low-flow method of well purging was performed for groundwater sample collection using peristaltic pumps. Groundwater parameters (pH, specific conductivity, and temperature) were allowed to stabilize prior to sampling. A turbidity reading equal to or less than 10 nephelometric turbidity units (NTU) was achieved prior to sampling.
- When filling laboratory sample vials for groundwater, a low pump rate was used to minimize volatilization. In addition, no bubbles or headspace were allowed in the volatile organic analysis sample vials. Vacuum transfer caps were not used with the peristaltic pumps.

- When filling laboratory sample vials for surface water, grab sampling techniques were used to fill the sample containers directly from the surface water or underdrain sample point. Care was taken not to lose the laboratory bottle preservatives.
- The samples were apportioned into two sets of containers with filling alternating between primary sample vials and the ACC QA split sample vials.
- The sample containers were placed on ice in a laboratory provided cooler immediately after the sampling process was complete.
- ACC's QA split sample containers were submitted for analyses to Analytical Environmental Services, Inc. (AES) by ACC, and GFL Environmental's samples were submitted to Eurofins Test America by EMS.

Groundwater purging followed low-flow techniques, and minimal drawdown was achieved at all three locations. All three wells were purged with a recorded flow rate between the Environmental Protection Agency (EPA) recommended 0.1 to 0.5 liters per minute (EPA¹, 1996). As summarized in Table 1, groundwater samples collected for metals analysis were all collected at turbidity readings of 10 or less NTU. Groundwater samples were collected with the final three readings that met the following criteria: pH readings within 0.1 standard units, conductivity within 10 percent, and temperature within 1 degree centigrade (Attachment A). Surface water metals were collected at relatively low sample turbidities of 27 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 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 barium, 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, GWC-9, and GWC-12R were sampled and analyzed for Appendix I 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, and/or zinc in the groundwater samples. Detected concentrations were below U.S. EPA Maximum Contaminant Levels (MCLs).

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

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.

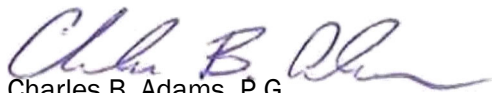
Summary and Recommendations

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 GFL Environmental 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 GFL Environmental to determine if the observed sampling event is compliant with applicable permit requirements.

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

Well ID	pH (S.U.)	Specific Conductance (μS/cm)	Temperature ($^{\circ}$C)	Turbidity (NTU)
GWC-6	5.55	107	15.6	2
GWC-9	4.46	599	15.8	1
GWC-12R	5.55	639	15.1	10

Notes: Groundwater samples collected January 4, 2022.

Acronyms: $^{\circ}$ C = Degrees Celsius
 μ S/cm = microSiemens/centimeter
NTU = Nephelometric Turbidity Units
S.U. = Standard Units

Table 2
Summary of Surface Water Detections & Field Parameters
Eagle Point Landfill Forsyth County, Georgia
January 2022 Sampling Event

Location	Barium (mg/L)	Chloride (mg/L)	TOC (mg/L)
SWC-9	0.0112	1.8	1.12

Location	pH (S.U.)	Specific Conductance (μ S/cm)	Temperature ($^{\circ}$ C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
SWC-9	6.64	32	9.5	27	9.2

Notes: Surface water sampled January 4, 2022.

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

$^{\circ}$ C = Degrees Celsius
 NTU = Nephelometric Turbidity Units
 TOC = total organic carbon

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

Location	Arsenic (mg/L)	Barium (mg/L)
SWC-5	0.0378	0.0457

Location	pH (S.U.)	Specific Conductance (μ S/cm)	Temperature ($^{\circ}$ C)	Turbidity (NTU)
SWC-5	5.98	238	18.6	4

Notes: Underdrain sampled January 4, 2022.

Acronyms: $^{\circ}$ C = Degrees Celsius
mg/L = milligrams per liter
 μ S/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
January 2022 Sampling Event

Well ID	Analysis	Sample Method
GWC-6	Appendix I	Peristaltic
GWC-9	Appendix I	Peristaltic
GWC-12R	Appendix I	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 January 4, 2022.
Appendix I/II = 40 Code of Federal Regulations 258

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

Table 5
Summary of Appendix I/II Detections in Groundwater
Eagle Point Landfill Forsyth County, Georgia
January 2022 Sampling Event

Well ID	Barium (mg/L)	Cobalt (mg/L)	Zinc (mg/L)
GWC-6	0.0669	--	--
GWC-9	0.214	0.0873	0.0607
GWC-12R	0.0897	0.0893	--
MCL	2	NE	5**

Notes: Samples collected January 4, 2022.

A dash (--) = below laboratory reporting limit.

** National Secondary Drinking Water Regulation

Acronyms: MCL = Maximum Contaminant Level

mg/L = milligrams 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 1-4-22 Sheet No. 1 of 1

Begin Purging 1-4-22 / 1019
Date / Time

Completed Purging 1-4-22 / 1049
Date / Time

Water Level 24.59 Ft BTOC

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

Standing Water Column (H) 12.95 Ft.

Casing Type PVC Screen Length 10 Ft.

Standing Well Volume 2.07 Gal.

Purging Device Peri Pump

Purge Volume Removed 1.58 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)	
1025	24.76	5.75	154	2.28	146	16.4	3	
1029	24.76	5.66	127	1.51	144	15.7	2	
1033	24.76	5.61	121	1.20	140	15.6	2	
1037	24.76	5.58	117	0.94	137	16.1	2	
1041		5.56	110	0.90	135	15.6	2	
1045		5.54	108	0.89	135	15.6	2	
1049		5.55	107	0.82	134	15.6	2	

Final Sample Parameters

1049	24.76	5.55	107	0.82	134	15.6	2	
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Sample Appearance Clear Odor? None Color None

Comments 200 ml/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 1-4-22 Sheet No. 1 of 1

Begin Purging 1-4-22 / 1111
Date / Time

Completed Purging 1-4-22 / 1129
Date / Time

Water Level 15.16 Ft BTOC

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

Standing Water Column (H) 9.19 Ft.

Casing Type PVC Screen Length 10 Ft.

Standing Well Volume 1.47 Gal.

Purging Device Peri Pump

Purge Volume Removed 0.99 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)	
1117	15.42	4.45	369	0.50	173	15.2	1	
1121	15.42	4.46	369 599	0.27	170	16.2	2	
1125		4.47	601	0.27	169	15.7	1	
1129		4.46	599	0.21	166	15.8	1	

Final Sample Parameters

1129	15.42	4.46	599	0.21	166	15.8	1	
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Sample Appearance Clear Odor? None Color & None

Comments 210 ml/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-12R

Sampled By: Nick Walker

Sampling Date 1-4-22 Sheet No. 1 of 1

Begin Purging 1-4-22 / 1147
Date / Time

Completed Purging 1-4-22 / 1209
Date / Time

Water Level 7.62 Ft BTOC

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

Standing Water Column (H) 22.17 Ft.

Casing Type PVC Screen Length 10 Ft.

Standing Well Volume 3.54 Gal.

Purging Device Peri Pump

Purge Volume Removed 1.38 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)	
1153	8.03	5.53	651	0.33	144	14.5	30	
1157	8.03	5.59	655	0.69	140	15.6	25	
1201	8.03	5.55	654	0.35	140	15.6	22	
1205 1204	1	5.53	643	0.24	139	15.5	17	
1209		5.55	639	0.18	139	15.1	10	

Final Sample Parameters

1209	8.03	5.55	639	0.17	139	15.1	10	
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Sample Appearance Clear Odor? Slight odor Color None

Comments 240 ml/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. 6020-117 Well No. SWC-5

Sampled By: Nick Walker

Sampling Date 1-4-22 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)	
1232	—	5.98	238	—	—	18.6	4	

Final Sample Parameters

1232	—	5.98	238	—	—	18.6	4	
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Sample Appearance Clear Odor? Yes Color None

Comments Low flow
EM Services does not record DO/ORP at this location

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. 6020-117 Well No. SWC-9

Sampled By: Nick Walker

Sampling Date 1-4-22 Sheet No. of

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)	
1330	—	6.64	32	9.20	—	9.5	27	

Final Sample Parameters

1330	—	6.64	32	9.20	—	9.5	27	
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Sample Appearance Clear Odor? None Color Slight brown

Comments EM services does not read ORP at this location

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.

January 12, 2022

Charles Adams
Atlantic Coast Consulting, Inc.

1150 Northmeadow Pkwy
Roswell GA 30076

RE: Forsyth County MOW Assistance

Dear Charles Adams:

Order No: 2201189

Analytical Environmental Services, Inc. received 6 samples on 1/4/2022 2:55:00 PM
for the analyses presented in following report.

“No problems were encountered during the analyses except as noted in the Case Narrative or by qualifiers in the report or QC Summary. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits.

AES’s accreditations are as follows:

-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/21-06/30/22.

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 11/01/23.

These results relate only to the items tested as received. This report may only be reproduced in full.

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

Sincerely,

Paris Masoudi

Paris Masoudi
Project Manager

Client: Atlantic Coast Consulting, Inc.	Client Sample ID: GWC-6
Project Name: Forsyth County MOW Assistance	Collection Date: 1/4/2022 10:49:00 AM
Lab ID: 2201189-001	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	328635	1	01/05/2022 13:59	CC
1,1,1-Trichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
1,1,2-Trichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
1,1-Dichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
1,1-Dichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
1,2,3-Trichloropropane	BRL	10		ug/L	328635	1	01/05/2022 13:59	CC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	328635	1	01/05/2022 13:59	CC
1,2-Dibromoethane	BRL	1.0		ug/L	328635	1	01/05/2022 13:59	CC
1,2-Dichlorobenzene	BRL	10		ug/L	328635	1	01/05/2022 13:59	CC
1,2-Dichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
1,2-Dichloropropane	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
1,4-Dichlorobenzene	BRL	10		ug/L	328635	1	01/05/2022 13:59	CC
2-Butanone	BRL	100		ug/L	328635	1	01/05/2022 13:59	CC
2-Hexanone	BRL	50		ug/L	328635	1	01/05/2022 13:59	CC
4-Methyl-2-pentanone	BRL	50		ug/L	328635	1	01/05/2022 13:59	CC
Acetone	BRL	100		ug/L	328635	1	01/05/2022 13:59	CC
Acrylonitrile	BRL	50		ug/L	328635	1	01/05/2022 13:59	CC
Benzene	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
Bromochloromethane	BRL	10		ug/L	328635	1	01/05/2022 13:59	CC
Bromodichloromethane	BRL	10		ug/L	328635	1	01/05/2022 13:59	CC
Bromoform	BRL	10		ug/L	328635	1	01/05/2022 13:59	CC
Bromomethane	BRL	10		ug/L	328635	1	01/05/2022 13:59	CC
Carbon disulfide	BRL	5.0		ug/L	328635	1	01/05/2022 13:59	CC
Carbon tetrachloride	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
Chlorobenzene	BRL	10		ug/L	328635	1	01/05/2022 13:59	CC
Chloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
Chloroform	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
Chloromethane	BRL	10		ug/L	328635	1	01/05/2022 13:59	CC
cis-1,2-Dichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
cis-1,3-Dichloropropene	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
Dibromochloromethane	BRL	10		ug/L	328635	1	01/05/2022 13:59	CC
Dibromomethane	BRL	10		ug/L	328635	1	01/05/2022 13:59	CC
Ethylbenzene	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
Iodomethane	BRL	100		ug/L	328635	1	01/05/2022 13:59	CC
Methylene chloride	BRL	5.0		ug/L	328635	1	01/05/2022 13:59	CC
Styrene	BRL	10		ug/L	328635	1	01/05/2022 13:59	CC
Tetrachloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
Toluene	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
trans-1,2-Dichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
trans-1,3-Dichloropropene	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	328635	1	01/05/2022 13:59	CC
Trichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 13:59	CC
Trichlorofluoromethane	BRL	10		ug/L	328635	1	01/05/2022 13:59	CC
Vinyl acetate	BRL	100		ug/L	328635	1	01/05/2022 13:59	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 MOW Assistance	Collection Date: 1/4/2022 10:49:00 AM
Lab ID: 2201189-001	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	328635	1	01/05/2022 13:59	CC
Xylenes, Total	BRL	5.0		ug/L	328635	1	01/05/2022 13:59	CC
Surr: 4-Bromofluorobenzene	97.4	74.9-127		%REC	328635	1	01/05/2022 13:59	CC
Surr: Dibromofluoromethane	106	78.9-121		%REC	328635	1	01/05/2022 13:59	CC
Surr: Toluene-d8	104	81.5-120		%REC	328635	1	01/05/2022 13:59	CC
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	328521	1	01/07/2022 02:41	EA
Arsenic	BRL	0.0100		mg/L	328521	1	01/07/2022 02:41	EA
Barium	0.0669	0.0200		mg/L	328521	1	01/07/2022 02:41	EA
Beryllium	BRL	0.00300		mg/L	328521	1	01/07/2022 02:41	EA
Cadmium	BRL	0.00500		mg/L	328521	1	01/07/2022 02:41	EA
Chromium	BRL	0.0100		mg/L	328521	1	01/07/2022 02:41	EA
Cobalt	BRL	0.0400		mg/L	328521	1	01/07/2022 02:41	EA
Copper	BRL	0.0200		mg/L	328521	1	01/07/2022 02:41	EA
Lead	BRL	0.0150		mg/L	328521	1	01/07/2022 02:41	EA
Nickel	BRL	0.0200		mg/L	328521	1	01/07/2022 02:41	EA
Selenium	BRL	0.0100		mg/L	328521	1	01/07/2022 02:41	EA
Silver	BRL	0.0100		mg/L	328521	1	01/07/2022 02:41	EA
Thallium	BRL	0.00200		mg/L	328521	1	01/07/2022 02:41	EA
Vanadium	BRL	0.0200		mg/L	328521	1	01/07/2022 02:41	EA
Zinc	BRL	0.0200		mg/L	328521	1	01/07/2022 02:41	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 MOW Assistance
Lab ID: 2201189-002

Client Sample ID: GWC-9
Collection Date: 1/4/2022 11:29:00 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	328635	1	01/05/2022 14:23	CC
1,1,1-Trichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
1,1,2-Trichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
1,1-Dichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
1,1-Dichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
1,2,3-Trichloropropane	BRL	10		ug/L	328635	1	01/05/2022 14:23	CC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	328635	1	01/05/2022 14:23	CC
1,2-Dibromoethane	BRL	1.0		ug/L	328635	1	01/05/2022 14:23	CC
1,2-Dichlorobenzene	BRL	10		ug/L	328635	1	01/05/2022 14:23	CC
1,2-Dichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
1,2-Dichloropropane	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
1,4-Dichlorobenzene	BRL	10		ug/L	328635	1	01/05/2022 14:23	CC
2-Butanone	BRL	100		ug/L	328635	1	01/05/2022 14:23	CC
2-Hexanone	BRL	50		ug/L	328635	1	01/05/2022 14:23	CC
4-Methyl-2-pentanone	BRL	50		ug/L	328635	1	01/05/2022 14:23	CC
Acetone	BRL	100		ug/L	328635	1	01/05/2022 14:23	CC
Acrylonitrile	BRL	50		ug/L	328635	1	01/05/2022 14:23	CC
Benzene	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
Bromochloromethane	BRL	10		ug/L	328635	1	01/05/2022 14:23	CC
Bromodichloromethane	BRL	10		ug/L	328635	1	01/05/2022 14:23	CC
Bromoform	BRL	10		ug/L	328635	1	01/05/2022 14:23	CC
Bromomethane	BRL	10		ug/L	328635	1	01/05/2022 14:23	CC
Carbon disulfide	BRL	5.0		ug/L	328635	1	01/05/2022 14:23	CC
Carbon tetrachloride	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
Chlorobenzene	BRL	10		ug/L	328635	1	01/05/2022 14:23	CC
Chloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
Chloroform	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
Chloromethane	BRL	10		ug/L	328635	1	01/05/2022 14:23	CC
cis-1,2-Dichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
cis-1,3-Dichloropropene	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
Dibromochloromethane	BRL	10		ug/L	328635	1	01/05/2022 14:23	CC
Dibromomethane	BRL	10		ug/L	328635	1	01/05/2022 14:23	CC
Ethylbenzene	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
Iodomethane	BRL	100		ug/L	328635	1	01/05/2022 14:23	CC
Methylene chloride	BRL	5.0		ug/L	328635	1	01/05/2022 14:23	CC
Styrene	BRL	10		ug/L	328635	1	01/05/2022 14:23	CC
Tetrachloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
Toluene	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
trans-1,2-Dichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
trans-1,3-Dichloropropene	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	328635	1	01/05/2022 14:23	CC
Trichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 14:23	CC
Trichlorofluoromethane	BRL	10		ug/L	328635	1	01/05/2022 14:23	CC
Vinyl acetate	BRL	100		ug/L	328635	1	01/05/2022 14:23	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 MOW Assistance	Collection Date: 1/4/2022 11:29:00 AM
Lab ID: 2201189-002	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	328635	1	01/05/2022 14:23	CC
Xylenes, Total	BRL	5.0		ug/L	328635	1	01/05/2022 14:23	CC
Surr: 4-Bromofluorobenzene	98	74.9-127		%REC	328635	1	01/05/2022 14:23	CC
Surr: Dibromofluoromethane	106	78.9-121		%REC	328635	1	01/05/2022 14:23	CC
Surr: Toluene-d8	104	81.5-120		%REC	328635	1	01/05/2022 14:23	CC
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	328521	1	01/07/2022 02:45	EA
Arsenic	BRL	0.0100		mg/L	328521	1	01/07/2022 02:45	EA
Barium	0.214	0.0200		mg/L	328521	1	01/07/2022 02:45	EA
Beryllium	BRL	0.00300		mg/L	328521	1	01/07/2022 02:45	EA
Cadmium	BRL	0.00500		mg/L	328521	1	01/07/2022 02:45	EA
Chromium	BRL	0.0100		mg/L	328521	1	01/07/2022 02:45	EA
Cobalt	0.0873	0.0400		mg/L	328521	1	01/07/2022 02:45	EA
Copper	BRL	0.0200		mg/L	328521	1	01/07/2022 02:45	EA
Lead	BRL	0.0150		mg/L	328521	1	01/07/2022 02:45	EA
Nickel	BRL	0.0200		mg/L	328521	1	01/07/2022 02:45	EA
Selenium	BRL	0.0100		mg/L	328521	1	01/07/2022 02:45	EA
Silver	BRL	0.0100		mg/L	328521	1	01/07/2022 02:45	EA
Thallium	BRL	0.00200		mg/L	328521	1	01/07/2022 02:45	EA
Vanadium	BRL	0.0200		mg/L	328521	1	01/07/2022 02:45	EA
Zinc	0.0607	0.0200		mg/L	328521	1	01/07/2022 02:45	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 MOW Assistance
Lab ID: 2201189-003

Client Sample ID: GWC-12R
Collection Date: 1/4/2022 12:09:00 PM
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	328635	1	01/05/2022 14:48	CC
1,1,1-Trichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
1,1,2-Trichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
1,1-Dichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
1,1-Dichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
1,2,3-Trichloropropane	BRL	10		ug/L	328635	1	01/05/2022 14:48	CC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	328635	1	01/05/2022 14:48	CC
1,2-Dibromoethane	BRL	1.0		ug/L	328635	1	01/05/2022 14:48	CC
1,2-Dichlorobenzene	BRL	10		ug/L	328635	1	01/05/2022 14:48	CC
1,2-Dichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
1,2-Dichloropropane	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
1,4-Dichlorobenzene	BRL	10		ug/L	328635	1	01/05/2022 14:48	CC
2-Butanone	BRL	100		ug/L	328635	1	01/05/2022 14:48	CC
2-Hexanone	BRL	50		ug/L	328635	1	01/05/2022 14:48	CC
4-Methyl-2-pentanone	BRL	50		ug/L	328635	1	01/05/2022 14:48	CC
Acetone	BRL	100		ug/L	328635	1	01/05/2022 14:48	CC
Acrylonitrile	BRL	50		ug/L	328635	1	01/05/2022 14:48	CC
Benzene	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
Bromochloromethane	BRL	10		ug/L	328635	1	01/05/2022 14:48	CC
Bromodichloromethane	BRL	10		ug/L	328635	1	01/05/2022 14:48	CC
Bromoform	BRL	10		ug/L	328635	1	01/05/2022 14:48	CC
Bromomethane	BRL	10		ug/L	328635	1	01/05/2022 14:48	CC
Carbon disulfide	BRL	5.0		ug/L	328635	1	01/05/2022 14:48	CC
Carbon tetrachloride	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
Chlorobenzene	BRL	10		ug/L	328635	1	01/05/2022 14:48	CC
Chloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
Chloroform	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
Chloromethane	BRL	10		ug/L	328635	1	01/05/2022 14:48	CC
cis-1,2-Dichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
cis-1,3-Dichloropropene	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
Dibromochloromethane	BRL	10		ug/L	328635	1	01/05/2022 14:48	CC
Dibromomethane	BRL	10		ug/L	328635	1	01/05/2022 14:48	CC
Ethylbenzene	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
Iodomethane	BRL	100		ug/L	328635	1	01/05/2022 14:48	CC
Methylene chloride	BRL	5.0		ug/L	328635	1	01/05/2022 14:48	CC
Styrene	BRL	10		ug/L	328635	1	01/05/2022 14:48	CC
Tetrachloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
Toluene	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
trans-1,2-Dichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
trans-1,3-Dichloropropene	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	328635	1	01/05/2022 14:48	CC
Trichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 14:48	CC
Trichlorofluoromethane	BRL	10		ug/L	328635	1	01/05/2022 14:48	CC
Vinyl acetate	BRL	100		ug/L	328635	1	01/05/2022 14:48	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.
Project Name: Forsyth County MOW Assistance
Lab ID: 2201189-003

Client Sample ID: GWC-12R
Collection Date: 1/4/2022 12:09:00 PM
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	328635	1	01/05/2022 14:48	CC
Xylenes, Total	BRL	5.0		ug/L	328635	1	01/05/2022 14:48	CC
Surr: 4-Bromofluorobenzene	98.2	74.9-127		%REC	328635	1	01/05/2022 14:48	CC
Surr: Dibromofluoromethane	103	78.9-121		%REC	328635	1	01/05/2022 14:48	CC
Surr: Toluene-d8	103	81.5-120		%REC	328635	1	01/05/2022 14:48	CC
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	328521	1	01/07/2022 02:48	EA
Arsenic	BRL	0.0100		mg/L	328521	1	01/07/2022 02:48	EA
Barium	0.0897	0.0200		mg/L	328521	1	01/07/2022 02:48	EA
Beryllium	BRL	0.00300		mg/L	328521	1	01/07/2022 02:48	EA
Cadmium	BRL	0.00500		mg/L	328521	1	01/07/2022 02:48	EA
Chromium	BRL	0.0100		mg/L	328521	1	01/07/2022 02:48	EA
Cobalt	0.0893	0.0400		mg/L	328521	1	01/07/2022 02:48	EA
Copper	BRL	0.0200		mg/L	328521	1	01/07/2022 02:48	EA
Lead	BRL	0.0150		mg/L	328521	1	01/07/2022 02:48	EA
Nickel	BRL	0.0200		mg/L	328521	1	01/07/2022 02:48	EA
Selenium	BRL	0.0100		mg/L	328521	1	01/07/2022 02:48	EA
Silver	BRL	0.0100		mg/L	328521	1	01/07/2022 02:48	EA
Thallium	BRL	0.00200		mg/L	328521	1	01/07/2022 02:48	EA
Vanadium	BRL	0.0200		mg/L	328521	1	01/07/2022 02:48	EA
Zinc	BRL	0.0200		mg/L	328521	1	01/07/2022 02:48	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-5
Project Name: Forsyth County MOW Assistance	Collection Date: 1/4/2022 12:32:00 PM
Lab ID: 2201189-004	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	328635	1	01/05/2022 15:13	CC
1,1,1-Trichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
1,1,2-Trichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
1,1-Dichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
1,1-Dichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
1,2,3-Trichloropropane	BRL	10		ug/L	328635	1	01/05/2022 15:13	CC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	328635	1	01/05/2022 15:13	CC
1,2-Dibromoethane	BRL	1.0		ug/L	328635	1	01/05/2022 15:13	CC
1,2-Dichlorobenzene	BRL	10		ug/L	328635	1	01/05/2022 15:13	CC
1,2-Dichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
1,2-Dichloropropane	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
1,4-Dichlorobenzene	BRL	10		ug/L	328635	1	01/05/2022 15:13	CC
2-Butanone	BRL	100		ug/L	328635	1	01/05/2022 15:13	CC
2-Hexanone	BRL	50		ug/L	328635	1	01/05/2022 15:13	CC
4-Methyl-2-pentanone	BRL	50		ug/L	328635	1	01/05/2022 15:13	CC
Acetone	BRL	100		ug/L	328635	1	01/05/2022 15:13	CC
Acrylonitrile	BRL	50		ug/L	328635	1	01/05/2022 15:13	CC
Benzene	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
Bromochloromethane	BRL	10		ug/L	328635	1	01/05/2022 15:13	CC
Bromodichloromethane	BRL	10		ug/L	328635	1	01/05/2022 15:13	CC
Bromoform	BRL	10		ug/L	328635	1	01/05/2022 15:13	CC
Bromomethane	BRL	10		ug/L	328635	1	01/05/2022 15:13	CC
Carbon disulfide	BRL	5.0		ug/L	328635	1	01/05/2022 15:13	CC
Carbon tetrachloride	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
Chlorobenzene	BRL	10		ug/L	328635	1	01/05/2022 15:13	CC
Chloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
Chloroform	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
Chloromethane	BRL	10		ug/L	328635	1	01/05/2022 15:13	CC
cis-1,2-Dichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
cis-1,3-Dichloropropene	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
Dibromochloromethane	BRL	10		ug/L	328635	1	01/05/2022 15:13	CC
Dibromomethane	BRL	10		ug/L	328635	1	01/05/2022 15:13	CC
Ethylbenzene	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
Iodomethane	BRL	100		ug/L	328635	1	01/05/2022 15:13	CC
Methylene chloride	BRL	5.0		ug/L	328635	1	01/05/2022 15:13	CC
Styrene	BRL	10		ug/L	328635	1	01/05/2022 15:13	CC
Tetrachloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
Toluene	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
trans-1,2-Dichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
trans-1,3-Dichloropropene	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	328635	1	01/05/2022 15:13	CC
Trichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 15:13	CC
Trichlorofluoromethane	BRL	10		ug/L	328635	1	01/05/2022 15:13	CC
Vinyl acetate	BRL	100		ug/L	328635	1	01/05/2022 15:13	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 MOW Assistance	Collection Date: 1/4/2022 12:32:00 PM
Lab ID: 2201189-004	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	328635	1	01/05/2022 15:13	CC
Xylenes, Total	BRL	5.0		ug/L	328635	1	01/05/2022 15:13	CC
Surr: 4-Bromofluorobenzene	99.7	74.9-127		%REC	328635	1	01/05/2022 15:13	CC
Surr: Dibromofluoromethane	105	78.9-121		%REC	328635	1	01/05/2022 15:13	CC
Surr: Toluene-d8	102	81.5-120		%REC	328635	1	01/05/2022 15:13	CC
APPENDIX I METALS SW6020B					(SW3005A)			
Antimony	BRL	0.00600		mg/L	328521	1	01/07/2022 02:52	EA
Arsenic	0.0378	0.0100		mg/L	328521	1	01/07/2022 02:52	EA
Barium	0.0457	0.0200		mg/L	328521	1	01/07/2022 02:52	EA
Beryllium	BRL	0.00300		mg/L	328521	1	01/07/2022 02:52	EA
Cadmium	BRL	0.00500		mg/L	328521	1	01/07/2022 02:52	EA
Chromium	BRL	0.0100		mg/L	328521	1	01/07/2022 02:52	EA
Cobalt	BRL	0.0400		mg/L	328521	1	01/07/2022 02:52	EA
Copper	BRL	0.0200		mg/L	328521	1	01/07/2022 02:52	EA
Lead	BRL	0.0150		mg/L	328521	1	01/07/2022 02:52	EA
Nickel	BRL	0.0200		mg/L	328521	1	01/07/2022 02:52	EA
Selenium	BRL	0.0100		mg/L	328521	1	01/07/2022 02:52	EA
Silver	BRL	0.0100		mg/L	328521	1	01/07/2022 02:52	EA
Thallium	BRL	0.00200		mg/L	328521	1	01/07/2022 02:52	EA
Vanadium	BRL	0.0200		mg/L	328521	1	01/07/2022 02:52	EA
Zinc	BRL	0.0200		mg/L	328521	1	01/07/2022 02:52	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 MOW Assistance	Collection Date: 1/4/2022 1:30:00 PM
Lab ID: 2201189-005	Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Total Organic Carbon (TOC) by SM5310B								
Organic Carbon, Total	1.12	1.00		mg/L	R474456	1	01/06/2022 10:23	GK
Total Metals by ICP/MS SW6020B (SW3005A)								
Selenium	BRL	0.00500		mg/L	328521	1	01/07/2022 02:55	EA
Mercury, Total SW7470A (SW7470A)								
Mercury	BRL	0.00050		mg/L	328602	1	01/06/2022 15:28	GR
ION SCAN SW9056A								
Chloride	1.8	1.0		mg/L	R474648	1	01/07/2022 21:51	IP
Dissolved Metals by ICP/MS SW6020B (SW3005A)								
Arsenic	BRL	0.00500		mg/L	328527	1	01/07/2022 11:20	EA
Barium	0.0112	0.0100		mg/L	328527	1	01/07/2022 11:20	EA
Cadmium	BRL	0.000700		mg/L	328527	1	01/07/2022 11:20	EA
Chromium	BRL	0.00500		mg/L	328527	1	01/07/2022 11:20	EA
Lead	BRL	0.00100		mg/L	328527	1	01/07/2022 11:20	EA
Nickel	BRL	0.00500		mg/L	328527	1	01/07/2022 11:20	EA
Silver	BRL	0.00100		mg/L	328527	1	01/07/2022 11:20	EA
Zinc	BRL	0.0100		mg/L	328527	1	01/07/2022 11:20	EA
Cyanide SW9014 (SW9010C)								
Cyanide, Total	BRL	0.010		mg/L	328732	1	01/10/2022 19:04	CB
Chemical Oxygen Demand (COD) E410.4								
Chemical Oxygen Demand	BRL	10.0		mg/L	R474502	1	01/06/2022 15:58	AT

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 MOW Assistance
Lab ID: 2201189-006

Client Sample ID: TRIP BLANK
Collection Date: 1/4/2022
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	328635	1	01/05/2022 13:10	CC
1,1,1-Trichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
1,1,2,2-Tetrachloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
1,1,2-Trichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
1,1-Dichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
1,1-Dichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
1,2,3-Trichloropropane	BRL	10		ug/L	328635	1	01/05/2022 13:10	CC
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	328635	1	01/05/2022 13:10	CC
1,2-Dibromoethane	BRL	1.0		ug/L	328635	1	01/05/2022 13:10	CC
1,2-Dichlorobenzene	BRL	10		ug/L	328635	1	01/05/2022 13:10	CC
1,2-Dichloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
1,2-Dichloropropane	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
1,4-Dichlorobenzene	BRL	10		ug/L	328635	1	01/05/2022 13:10	CC
2-Butanone	BRL	100		ug/L	328635	1	01/05/2022 13:10	CC
2-Hexanone	BRL	50		ug/L	328635	1	01/05/2022 13:10	CC
4-Methyl-2-pentanone	BRL	50		ug/L	328635	1	01/05/2022 13:10	CC
Acetone	BRL	100		ug/L	328635	1	01/05/2022 13:10	CC
Acrylonitrile	BRL	50		ug/L	328635	1	01/05/2022 13:10	CC
Benzene	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
Bromochloromethane	BRL	10		ug/L	328635	1	01/05/2022 13:10	CC
Bromodichloromethane	BRL	10		ug/L	328635	1	01/05/2022 13:10	CC
Bromoform	BRL	10		ug/L	328635	1	01/05/2022 13:10	CC
Bromomethane	BRL	10		ug/L	328635	1	01/05/2022 13:10	CC
Carbon disulfide	BRL	5.0		ug/L	328635	1	01/05/2022 13:10	CC
Carbon tetrachloride	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
Chlorobenzene	BRL	10		ug/L	328635	1	01/05/2022 13:10	CC
Chloroethane	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
Chloroform	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
Chloromethane	BRL	10		ug/L	328635	1	01/05/2022 13:10	CC
cis-1,2-Dichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
cis-1,3-Dichloropropene	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
Dibromochloromethane	BRL	10		ug/L	328635	1	01/05/2022 13:10	CC
Dibromomethane	BRL	10		ug/L	328635	1	01/05/2022 13:10	CC
Ethylbenzene	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
Iodomethane	BRL	100		ug/L	328635	1	01/05/2022 13:10	CC
Methylene chloride	BRL	5.0		ug/L	328635	1	01/05/2022 13:10	CC
Styrene	BRL	10		ug/L	328635	1	01/05/2022 13:10	CC
Tetrachloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
Toluene	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
trans-1,2-Dichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
trans-1,3-Dichloropropene	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
trans-1,4-Dichloro-2-butene	BRL	100		ug/L	328635	1	01/05/2022 13:10	CC
Trichloroethene	BRL	2.0		ug/L	328635	1	01/05/2022 13:10	CC
Trichlorofluoromethane	BRL	10		ug/L	328635	1	01/05/2022 13:10	CC
Vinyl acetate	BRL	100		ug/L	328635	1	01/05/2022 13:10	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 MOW Assistance	Collection Date: 1/4/2022
Lab ID: 2201189-006	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	328635	1	01/05/2022 13:10	CC
Xylenes, Total	BRL	5.0		ug/L	328635	1	01/05/2022 13:10	CC
Surr: 4-Bromofluorobenzene	98.2	74.9-127		%REC	328635	1	01/05/2022 13:10	CC
Surr: Dibromofluoromethane	106	78.9-121		%REC	328635	1	01/05/2022 13:10	CC
Surr: Toluene-d8	103	81.5-120		%REC	328635	1	01/05/2022 13:10	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

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: Atlantic Coast Consulting, Inc.

AES Work Order Number: 2201189

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 5.1 °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

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

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). CD 01/04/22

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

27. Comments: _____

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

I certify that I have completed sections 16-27 (dated initials). CD 01/04/22

	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 type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>		
30. Was pH adjusted at Sample Receipt?	<input checked="" type="radio"/>	<input type="radio"/>	<input 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). CD 01/04/22

Locked

Client: Atlantic Coast Consulting, Inc.
 Project Name: Forsyth County MOW Assistance
 Lab Order: 2201189

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2201189-001A	GWC-6	1/4/2022 10:49:00AM	Groundwater	APPENDIX I VOLATILE ORGANICS		1/5/2022 9:11:00AM	01/05/2022
2201189-001B	GWC-6	1/4/2022 10:49:00AM	Groundwater	APPENDIX I METALS		1/6/2022 7:26:00AM	01/07/2022
2201189-002A	GWC-9	1/4/2022 11:29:00AM	Groundwater	APPENDIX I VOLATILE ORGANICS		1/5/2022 9:11:00AM	01/05/2022
2201189-002B	GWC-9	1/4/2022 11:29:00AM	Groundwater	APPENDIX I METALS		1/6/2022 7:26:00AM	01/07/2022
2201189-003A	GWC-12R	1/4/2022 12:09:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		1/5/2022 9:11:00AM	01/05/2022
2201189-003B	GWC-12R	1/4/2022 12:09:00PM	Groundwater	APPENDIX I METALS		1/6/2022 7:26:00AM	01/07/2022
2201189-004A	SWC-5	1/4/2022 12:32:00PM	Groundwater	APPENDIX I VOLATILE ORGANICS		1/5/2022 9:11:00AM	01/05/2022
2201189-004B	SWC-5	1/4/2022 12:32:00PM	Groundwater	APPENDIX I METALS		1/6/2022 7:26:00AM	01/07/2022
2201189-005A	SWC-9	1/4/2022 1:30:00PM	Groundwater	Total Metals by ICP/MS		1/6/2022 7:26:00AM	01/07/2022
2201189-005A	SWC-9	1/4/2022 1:30:00PM	Groundwater	TOTAL MERCURY		1/6/2022 11:19:00AM	01/06/2022
2201189-005B	SWC-9	1/4/2022 1:30:00PM	Groundwater	Dissolved Metals by ICP/MS		1/5/2022 12:01:00PM	01/07/2022
2201189-005C	SWC-9	1/4/2022 1:30:00PM	Groundwater	ION SCAN			01/07/2022
2201189-005D	SWC-9	1/4/2022 1:30:00PM	Groundwater	Chemical Oxygen Demand (COD)			01/06/2022
2201189-005E	SWC-9	1/4/2022 1:30:00PM	Groundwater	Cyanide		1/10/2022 9:44:28AM	01/10/2022
2201189-005F	SWC-9	1/4/2022 1:30:00PM	Groundwater	Total Organic Carbon by SM5310B			01/06/2022
2201189-006A	TRIP BLANK	1/4/2022 12:00:00AM	Aqueous	APPENDIX I VOLATILE ORGANICS		1/5/2022 9:11:00AM	01/05/2022

Sample pH Adjustment Sheet

AES Sample ID	Sample Volume (mL)	Test(s) Requested	Department	pH Required	pH as Rec.	Preservative Required	Preservative Lot#	Amount Added		pH after Add.	Initials	Date	Time (Military)
								mL of Acid	NaOH Pellets				
2201189-001B	500	6020	SR	<2	6	HNO3	Met-927-44	1.0		1	CD	01.04	1610
Notes:													
2201189-002B	500	6020	SR	<2	6	HNO3	Met-927-44	1.0		1	CD	01.04	1610
Notes:													
2201189-003B	500	6020	SR	<2	6	HNO3	Met-927-44	1.0		1	CD	01.04	1610
Notes:													
2201189-004B	500	6020	SR	<2	6	HNO3	Met-927-44	1.0		1	CD	01.04	1610
Notes:													
2201189-005A	500	6020	SR	<2	6	HNO3	Met-927-44	1.0		1	CD	01.04	1610
Notes:													
Notes:													

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County MOW Assistance
Workorder: 2201189

ANALYTICAL QC SUMMARY REPORT

BatchID: 328521

Sample ID: MB-328521	Client ID:	Units: mg/L	Prep Date: 01/06/2022	Run No: 474586							
SampleType: MBLK	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 328521	Analysis Date: 01/07/2022	Seq No: 10945227							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Selenium BRL 0.00500

Sample ID: MB-328521	Client ID:	Units: mg/L	Prep Date: 01/06/2022	Run No: 474587							
SampleType: MBLK	TestCode: APPENDIX I METALS SW6020B	BatchID: 328521	Analysis Date: 01/07/2022	Seq No: 10945300							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony BRL 0.00600
 Arsenic BRL 0.0100
 Barium BRL 0.0200
 Beryllium BRL 0.00300
 Cadmium BRL 0.00500
 Chromium BRL 0.0100
 Cobalt BRL 0.0400
 Copper BRL 0.0200
 Lead BRL 0.0100
 Nickel BRL 0.0200
 Selenium BRL 0.0100
 Silver BRL 0.00500
 Thallium BRL 0.00200
 Vanadium BRL 0.0200
 Zinc BRL 0.0200

Sample ID: LCS-328521	Client ID:	Units: mg/L	Prep Date: 01/06/2022	Run No: 474586							
SampleType: LCS	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 328521	Analysis Date: 01/07/2022	Seq No: 10945228							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Selenium 0.09218 0.00500 0.1000 92.2 80 120

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

Client: Atlantic Coast Consulting, Inc.
Project Name: Forsyth County MOW Assistance
Workorder: 2201189

ANALYTICAL QC SUMMARY REPORT

BatchID: 328521

Sample ID: LCS-328521	Client ID:	Units: mg/L	Prep Date: 01/06/2022	Run No: 474587							
SampleType: LCS	TestCode: APPENDIX I METALS SW6020B	BatchID: 328521	Analysis Date: 01/07/2022	Seq No: 10945301							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.09780	0.00600	0.1000		97.8	80	120				
Arsenic	0.09992	0.0100	0.1000		99.9	80	120				
Barium	0.09505	0.0200	0.1000		95.0	80	120				
Beryllium	0.09564	0.00400	0.1000		95.6	80	120				
Cadmium	0.09558	0.00500	0.1000		95.6	80	120				
Chromium	0.1020	0.0200	0.1000		102	80	120				
Cobalt	0.1007	0.0500	0.1000		101	80	120				
Copper	0.09687	0.0200	0.1000		96.9	80	120				
Lead	0.09656	0.0100	0.1000		96.6	80	120				
Nickel	0.1012	0.0400	0.1000		101	80	120				
Selenium	0.09218	0.0500	0.1000		92.2	80	120				
Silver	0.01011	0.00500	0.0100		101	80	120				
Thallium	0.09465	0.00200	0.1000		94.6	80	120				
Vanadium	0.1009	0.0500	0.1000		101	80	120				
Zinc	0.09564	0.0200	0.1000		95.6	80	120				

Sample ID: 2201032-002BMS	Client ID:	Units: mg/L	Prep Date: 01/06/2022	Run No: 474586							
SampleType: MS	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 328521	Analysis Date: 01/07/2022	Seq No: 10945233							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Selenium	0.09471	0.00500	0.1000		94.7	75	125				
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Sample ID: 2201032-002BMS	Client ID:	Units: mg/L	Prep Date: 01/06/2022	Run No: 474587							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 328521	Analysis Date: 01/07/2022	Seq No: 10945303							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1034	0.00600	0.1000		103	75	125				
Arsenic	0.1036	0.0100	0.1000		104	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 MOW Assistance
Workorder: 2201189

ANALYTICAL QC SUMMARY REPORT

BatchID: 328521

Sample ID: 2201032-002BMS	Client ID:	Units: mg/L	Prep Date: 01/06/2022	Run No: 474587							
SampleType: MS	TestCode: APPENDIX I METALS SW6020B	BatchID: 328521	Analysis Date: 01/07/2022	Seq No: 10945303							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Barium	0.1015	0.0200	0.1000		102	75	125				
Beryllium	0.09529	0.00400	0.1000		95.3	75	125				
Cadmium	0.09544	0.00500	0.1000		95.4	75	125				
Chromium	0.1050	0.0200	0.1000		105	75	125				
Cobalt	0.1049	0.0500	0.1000		105	75	125				
Copper	0.1020	0.0200	0.1000		102	75	125				
Lead	0.1012	0.0100	0.1000		101	75	125				
Nickel	0.1030	0.0400	0.1000		103	75	125				
Selenium	0.09471	0.0500	0.1000		94.7	75	125				
Silver	0.01050	0.00500	0.0100		105	75	125				
Thallium	0.1019	0.00200	0.1000		102	75	125				
Vanadium	0.1041	0.0500	0.1000		104	75	125				
Zinc	0.1012	0.0200	0.1000		101	75	125				

Sample ID: 2201032-002BMSD	Client ID:	Units: mg/L	Prep Date: 01/06/2022	Run No: 474586							
SampleType: MSD	TestCode: Total Metals by ICP/MS SW6020B	BatchID: 328521	Analysis Date: 01/07/2022	Seq No: 10945235							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Selenium	0.09432	0.00500	0.1000		94.3	75	125	0.09471	0.419	20	
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Sample ID: 2201032-002BMSD	Client ID:	Units: mg/L	Prep Date: 01/06/2022	Run No: 474587							
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 328521	Analysis Date: 01/07/2022	Seq No: 10945304							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Antimony	0.1034	0.00600	0.1000		103	75	125	0.1034	0.020	20	
Arsenic	0.09968	0.0100	0.1000		99.7	75	125	0.1036	3.88	20	
Barium	0.09863	0.0200	0.1000		98.6	75	125	0.1015	2.91	20	
Beryllium	0.09606	0.00400	0.1000		96.1	75	125	0.09529	0.801	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 MOW Assistance
Workorder: 2201189

ANALYTICAL QC SUMMARY REPORT

BatchID: 328521

Sample ID: 2201032-002BMSD	Client ID:	Units: mg/L	Prep Date: 01/06/2022	Run No: 474587							
SampleType: MSD	TestCode: APPENDIX I METALS SW6020B	BatchID: 328521	Analysis Date: 01/07/2022	Seq No: 10945304							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cadmium	0.09712	0.00500	0.1000		97.1	75	125	0.09544	1.75	20	
Chromium	0.1003	0.0200	0.1000		100	75	125	0.1050	4.49	20	
Cobalt	0.1003	0.0500	0.1000		100	75	125	0.1049	4.49	20	
Copper	0.1002	0.0200	0.1000		100	75	125	0.1020	1.86	20	
Lead	0.1009	0.0100	0.1000		101	75	125	0.1012	0.392	20	
Nickel	0.1009	0.0400	0.1000		101	75	125	0.1030	2.01	20	
Selenium	0.09432	0.0500	0.1000		94.3	75	125	0.09471	0.419	20	
Silver	0.01034	0.00500	0.0100		103	75	125	0.01050	1.57	20	
Thallium	0.09699	0.00200	0.1000		97.0	75	125	0.1019	4.91	20	
Vanadium	0.1006	0.0500	0.1000		101	75	125	0.1041	3.42	20	
Zinc	0.09879	0.0200	0.1000		98.8	75	125	0.1012	2.36	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 MOW Assistance
Workorder: 2201189

ANALYTICAL QC SUMMARY REPORT

BatchID: 328527

Sample ID: MB-328527	Client ID:	Units: mg/L	Prep Date: 01/05/2022	Run No: 474691							
SampleType: MBLK	TestCode: Dissolved Metals by ICP/MS SW6020B	BatchID: 328527	Analysis Date: 01/07/2022	Seq No: 10947818							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	BRL	0.00500									
Barium	BRL	0.0100									
Cadmium	BRL	0.000700									
Chromium	BRL	0.00500									
Lead	BRL	0.00100									
Nickel	BRL	0.00500									
Silver	BRL	0.00100									
Zinc	BRL	0.0100									

Sample ID: LCS-328527	Client ID:	Units: mg/L	Prep Date: 01/05/2022	Run No: 474691							
SampleType: LCS	TestCode: Dissolved Metals by ICP/MS SW6020B	BatchID: 328527	Analysis Date: 01/07/2022	Seq No: 10947819							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.09505	0.00500	0.1000		95.0	80	120				
Barium	0.09615	0.0100	0.1000		96.1	80	120				
Cadmium	0.09374	0.000700	0.1000		93.7	80	120				
Chromium	0.09553	0.00500	0.1000		95.5	80	120				
Lead	0.09275	0.00100	0.1000	0.0004985	92.3	80	120				
Nickel	0.09508	0.00500	0.1000		95.1	80	120				
Silver	0.009707	0.00100	0.0100		97.1	80	120				
Zinc	0.09040	0.0100	0.1000		90.4	80	120				

Sample ID: 2201189-005BMS	Client ID: SWC-9	Units: mg/L	Prep Date: 01/05/2022	Run No: 474691							
SampleType: MS	TestCode: Dissolved Metals by ICP/MS SW6020B	BatchID: 328527	Analysis Date: 01/07/2022	Seq No: 10947821							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.09823	0.00500	0.1000		98.2	75	125				
Barium	0.1094	0.0100	0.1000	0.01124	98.2	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 MOW Assistance
Workorder: 2201189

ANALYTICAL QC SUMMARY REPORT

BatchID: 328527

Sample ID: 2201189-005BMS	Client ID: SWC-9	Units: mg/L	Prep Date: 01/05/2022	Run No: 474691							
SampleType: MS	TestCode: Dissolved Metals by ICP/MS SW6020B	BatchID: 328527	Analysis Date: 01/07/2022	Seq No: 10947821							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cadmium	0.09634	0.000700	0.1000		96.3	75	125				
Chromium	0.1005	0.00500	0.1000		100	75	125				
Lead	0.09544	0.00100	0.1000	0.0004906	95.0	75	125				
Nickel	0.09908	0.00500	0.1000		99.1	75	125				
Silver	0.01027	0.00100	0.0100		103	75	125				
Zinc	0.09701	0.0100	0.1000		97.0	75	125				

Sample ID: 2201189-005BMSD	Client ID: SWC-9	Units: mg/L	Prep Date: 01/05/2022	Run No: 474691							
SampleType: MSD	TestCode: Dissolved Metals by ICP/MS SW6020B	BatchID: 328527	Analysis Date: 01/07/2022	Seq No: 10947822							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	0.09490	0.00500	0.1000		94.9	75	125	0.09823	3.45	20	
Barium	0.1097	0.0100	0.1000	0.01124	98.4	75	125	0.1094	0.223	20	
Cadmium	0.09229	0.000700	0.1000		92.3	75	125	0.09634	4.29	20	
Chromium	0.09617	0.00500	0.1000		96.2	75	125	0.1005	4.40	20	
Lead	0.09237	0.00100	0.1000	0.0004906	91.9	75	125	0.09544	3.27	20	
Nickel	0.09621	0.00500	0.1000		96.2	75	125	0.09908	2.95	20	
Silver	0.009323	0.00100	0.0100		93.2	75	125	0.01027	9.67	20	
Zinc	0.09277	0.0100	0.1000		92.8	75	125	0.09701	4.47	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 MOW Assistance
Workorder: 2201189

ANALYTICAL QC SUMMARY REPORT

BatchID: 328602

Sample ID: MB-328602	Client ID:	Units: mg/L	Prep Date: 01/06/2022	Run No: 474442							
SampleType: MBLK	TestCode: Mercury, Total SW7470A	BatchID: 328602	Analysis Date: 01/06/2022	Seq No: 10943360							
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-328602	Client ID:	Units: mg/L	Prep Date: 01/06/2022	Run No: 474442							
SampleType: LCS	TestCode: Mercury, Total SW7470A	BatchID: 328602	Analysis Date: 01/06/2022	Seq No: 10943361							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.003430 0.00020 0.0040 85.8 80 120

Sample ID: 2201032-001FMS	Client ID:	Units: mg/L	Prep Date: 01/06/2022	Run No: 474442							
SampleType: MS	TestCode: Mercury, Total SW7470A	BatchID: 328602	Analysis Date: 01/06/2022	Seq No: 10943366							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.003549 0.00020 0.0040 88.7 75 125

Sample ID: 2201032-001FMSD	Client ID:	Units: mg/L	Prep Date: 01/06/2022	Run No: 474442							
SampleType: MSD	TestCode: Mercury, Total SW7470A	BatchID: 328602	Analysis Date: 01/06/2022	Seq No: 10943367							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.003510 0.00020 0.0040 87.8 75 125 0.003549 1.10 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 MOW Assistance
Workorder: 2201189

ANALYTICAL QC SUMMARY REPORT

BatchID: 328635

Sample ID: MB-328635	Client ID:	Units: ug/L	Prep Date: 01/05/2022	Run No: 474360							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 328635	Analysis Date: 01/05/2022	Seq No: 10938706							
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 MOW Assistance
Workorder: 2201189

ANALYTICAL QC SUMMARY REPORT

BatchID: 328635

Sample ID: MB-328635	Client ID:	Units: ug/L	Prep Date: 01/05/2022	Run No: 474360							
SampleType: MBLK	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 328635	Analysis Date: 01/05/2022	Seq No: 10938706							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloroform	BRL	5.0									
Chloromethane	BRL	10									
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dibromomethane	BRL	5.0									
Ethylbenzene	BRL	5.0									
Iodomethane	BRL	10									
Methylene chloride	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
trans-1,4-Dichloro-2-butene	BRL	10									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl acetate	BRL	10									
Vinyl chloride	BRL	2.0									
Xylenes, Total	BRL	10									
Surr: 4-Bromofluorobenzene	49.66	0	50.00		99.3	74.9	127				
Surr: Dibromofluoromethane	51.67	0	50.00		103	78.9	121				
Surr: Toluene-d8	50.77	0	50.00		102	81.5	120				

Sample ID: LCS-328635	Client ID:	Units: ug/L	Prep Date: 01/05/2022	Run No: 474360							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 328635	Analysis Date: 01/05/2022	Seq No: 10942087							
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 MOW Assistance
Workorder: 2201189

ANALYTICAL QC SUMMARY REPORT

BatchID: 328635

Sample ID: LCS-328635	Client ID:	Units: ug/L	Prep Date: 01/05/2022	Run No: 474360							
SampleType: LCS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 328635	Analysis Date: 01/05/2022	Seq No: 10942087							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	19.78	5.0	20.00		98.9	67.3	134				
Benzene	19.61	5.0	20.00		98.0	78.6	124				
Chlorobenzene	20.34	5.0	20.00		102	78.9	127				
Toluene	19.86	5.0	20.00		99.3	77.7	125				
Trichloroethene	21.77	5.0	20.00		109	77	130				
Surr: 4-Bromofluorobenzene	50.77	0	50.00		102	74.9	127				
Surr: Dibromofluoromethane	54.35	0	50.00		109	78.9	121				
Surr: Toluene-d8	52.44	0	50.00		105	81.5	120				

Sample ID: 2201189-002AMS	Client ID: GWC-9	Units: ug/L	Prep Date: 01/05/2022	Run No: 474360							
SampleType: MS	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 328635	Analysis Date: 01/06/2022	Seq No: 10942822							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	18.91	5.0	20.00		94.6	67.6	143				
Benzene	19.03	5.0	20.00	0.8700	90.8	70.5	136				
Chlorobenzene	18.63	5.0	20.00		93.2	77.1	133				
Toluene	18.32	5.0	20.00		91.6	66.4	140				
Trichloroethene	18.44	5.0	20.00		92.2	75.1	140				
Surr: 4-Bromofluorobenzene	51.24	0	50.00		102	74.9	127				
Surr: Dibromofluoromethane	50.17	0	50.00		100	78.9	121				
Surr: Toluene-d8	54.04	0	50.00		108	81.5	120				

Sample ID: 2201189-002AMSD	Client ID: GWC-9	Units: ug/L	Prep Date: 01/05/2022	Run No: 474360							
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 328635	Analysis Date: 01/06/2022	Seq No: 10942823							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	18.96	5.0	20.00		94.8	67.6	143	18.91	0.264	19.6	
Benzene	18.55	5.0	20.00	0.8700	88.4	70.5	136	19.03	2.55	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 MOW Assistance
Workorder: 2201189

ANALYTICAL QC SUMMARY REPORT

BatchID: 328635

Sample ID: 2201189-002AMSD	Client ID: GWC-9	Units: ug/L	Prep Date: 01/05/2022	Run No: 474360
SampleType: MSD	TestCode: APPENDIX I VOLATILE ORGANICS SW8260D	BatchID: 328635	Analysis Date: 01/06/2022	Seq No: 10942823

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	19.49	5.0	20.00		97.4	77.1	133	18.63	4.51	20	
Toluene	18.81	5.0	20.00		94.0	66.4	140	18.32	2.64	20	
Trichloroethene	20.03	5.0	20.00		100	75.1	140	18.44	8.27	20	
Surr: 4-Bromofluorobenzene	50.20	0	50.00		100	74.9	127	51.24	0	0	
Surr: Dibromofluoromethane	51.12	0	50.00		102	78.9	121	50.17	0	0	
Surr: Toluene-d8	52.34	0	50.00		105	81.5	120	54.04	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 MOW Assistance
Workorder: 2201189

ANALYTICAL QC SUMMARY REPORT

BatchID: 328732

Sample ID: MB-328732	Client ID:	Units: mg/L	Prep Date: 01/10/2022	Run No: 474734							
SampleType: MBLK	TestCode: Cyanide SW9014	BatchID: 328732	Analysis Date: 01/10/2022	Seq No: 10949549							
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-328732	Client ID:	Units: mg/L	Prep Date: 01/10/2022	Run No: 474734							
SampleType: LCS	TestCode: Cyanide SW9014	BatchID: 328732	Analysis Date: 01/10/2022	Seq No: 10949550							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.2270 0.010 0.2500 90.8 85 115

Sample ID: 2201032-001DMS	Client ID:	Units: mg/L	Prep Date: 01/10/2022	Run No: 474734							
SampleType: MS	TestCode: Cyanide SW9014	BatchID: 328732	Analysis Date: 01/10/2022	Seq No: 10949552							
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

Sample ID: 2201032-001DMSD	Client ID:	Units: mg/L	Prep Date: 01/10/2022	Run No: 474734							
SampleType: MSD	TestCode: Cyanide SW9014	BatchID: 328732	Analysis Date: 01/10/2022	Seq No: 10949553							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Cyanide, Total 0.2360 0.010 0.2500 94.4 70 130 0.2490 5.36 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 MOW Assistance
Workorder: 2201189

ANALYTICAL QC SUMMARY REPORT

BatchID: R474456

Sample ID: MB-R474456	Client ID:	Units: mg/L	Prep Date:	Run No: 474456							
SampleType: MBLK	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R474456	Analysis Date: 01/06/2022	Seq No: 10940725							
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-R474456	Client ID:	Units: mg/L	Prep Date:	Run No: 474456							
SampleType: LCS	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R474456	Analysis Date: 01/06/2022	Seq No: 10940725							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

25.15 1.00 25.00 101 85 115

Sample ID: 2201031-001BMS	Client ID:	Units: mg/L	Prep Date:	Run No: 474456							
SampleType: MS	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R474456	Analysis Date: 01/06/2022	Seq No: 10940728							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

42.46 1.00 25.00 16.98 102 80 120

Sample ID: 2201031-001BMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 474456							
SampleType: MSD	TestCode: Total Organic Carbon (TOC) by SM5310B	BatchID: R474456	Analysis Date: 01/06/2022	Seq No: 10940729							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Organic Carbon, Total

42.58 1.00 25.00 16.98 102 80 120 42.46 0.282 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 MOW Assistance
Workorder: 2201189

ANALYTICAL QC SUMMARY REPORT

BatchID: R474502

Sample ID: MB-R474502	Client ID:	Units: mg/L	Prep Date:	Run No: 474502							
SampleType: MBLK	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R474502	Analysis Date: 01/06/2022	Seq No: 10942213							
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-R474502	Client ID:	Units: mg/L	Prep Date:	Run No: 474502							
SampleType: LCS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R474502	Analysis Date: 01/06/2022	Seq No: 10942214							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 502.2 10.0 500.0 100 90 110

Sample ID: 2112Y26-001DMS	Client ID:	Units: mg/L	Prep Date:	Run No: 474502							
SampleType: MS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R474502	Analysis Date: 01/06/2022	Seq No: 10942238							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 1064 12.5 375.0 705.3 95.7 90 110

Sample ID: 2201349-001BMS	Client ID:	Units: mg/L	Prep Date:	Run No: 474502							
SampleType: MS	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R474502	Analysis Date: 01/06/2022	Seq No: 10942216							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 547.8 12.5 375.0 166.5 102 90 110

Sample ID: 2201349-001BMDS	Client ID:	Units: mg/L	Prep Date:	Run No: 474502							
SampleType: MSD	TestCode: Chemical Oxygen Demand (COD) E410.4	BatchID: R474502	Analysis Date: 01/06/2022	Seq No: 10942217							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chemical Oxygen Demand 539.2 12.5 375.0 166.5 99.4 90 110 547.8 1.58 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 MOW Assistance
Workorder: 2201189

ANALYTICAL QC SUMMARY REPORT

BatchID: R474648

Sample ID: MB-R474648	Client ID:	Units: mg/L	Prep Date:	Run No: 474648							
SampleType: MBLK	TestCode: ION SCAN SW9056A	BatchID: R474648	Analysis Date: 01/07/2022	Seq No: 10951746							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride BRL 1.0

Sample ID: LCS-R474648	Client ID:	Units: mg/L	Prep Date:	Run No: 474648							
SampleType: LCS	TestCode: ION SCAN SW9056A	BatchID: R474648	Analysis Date: 01/07/2022	Seq No: 10951745							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 9.126 1.0 10.00 91.3 90 110

Sample ID: 2201786-001BMS	Client ID:	Units: mg/L	Prep Date:	Run No: 474648							
SampleType: MS	TestCode: ION SCAN SW9056A	BatchID: R474648	Analysis Date: 01/08/2022	Seq No: 10951753							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 9.562 1.0 10.00 0.8273 87.3 90 110 S

Sample ID: 2201786-001BMSD	Client ID:	Units: mg/L	Prep Date:	Run No: 474648							
SampleType: MSD	TestCode: ION SCAN SW9056A	BatchID: R474648	Analysis Date: 01/08/2022	Seq No: 10951754							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chloride 9.602 1.0 10.00 0.8273 87.7 90 110 9.562 0.415 20 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	

End of Report