

## **DATA PACKAGE**

GENERAL CHEMISTRY  
METALS

**PROJECT NAME : AEC-2025-0013- CSC 4028 CUMBERLAND**

**ATG-GREENVILLE AEC**

**426 Fairforest way**

**Greenville, SC - 29607**

**Phone No: 864-704-7984**

**ORDER ID : Q3234**

**ATTENTION : Staci Bruce**



**Laboratory Certification ID # 20012**



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## Cover Page

**Order ID :** Q3234

**Project ID :** AEC-2025-0013- CSC 4028 Cumberland

**Client :** ATG-GREENVILLE AEC

**Lab Sample Number**

Q3234-01  
Q3234-02

**Client Sample Number**

DA-1  
DA-2

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 12:40 pm, Oct 10, 2025*

Date: 10/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## CASE NARRATIVE

### **ATG-GREENVILLE AEC**

**Project Name: AEC-2025-0013- CSC 4028 Cumberland**

**Project # N/A**

**Order ID # Q3234**

**Test Name: Metals Group4,Oil and Grease,Phosphorus-Total,TSS**

### **A. Number of Samples and Date of Receipt:**

2 Water samples were received on 09/29/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Metals Group4,Oil and Grease,Phosphorus-Total,TSS. This data package contains results for Metals Group4(6010D),Oil and Grease(1664A),Phosphorus-Total(365.3), TSS(SM2540 D).

### **C. Analytical Techniques:**

Metals Group4 : The analysis of Metals Group4 was based on method 6010D and digestion based on method 3010 (waters).

Wetchem : The analysis of Oil and Grease was based on method 1664A, The analysis of Phosphorus-Total was based on method 365.3 and The analysis of TSS was based on method SM2540 D.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD recoveries met criteria.

The Blank Spike met requirements for all compounds

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Duplicate analysis met criteria for all compounds.

The Serial Dilution met the acceptable requirements.

### **E. Additional Comments:**

The temperature of the samples at the time of receipt was 19.4°C. Lab notified this issue to the client. See the communication in shipping Document section.

Oil and Grease,Phosphorus-Total,TSS : As per method 1664A, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD for Q3234 therefore Lab reported MS-MSD from Q3229.



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The Date and time of sampling was not listed in the COC.  
As per special requirement for this project form-1 and Hit summary are reported in mg/L.

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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

**APPROVED**  
*By Nimisha Pandya, QA/QC Supervisor at 12:41 pm, Oct 10, 2025*

Signature \_\_\_\_\_

## DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

- J** Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
- U** Indicates the analyte was analyzed for, but not detected.
- ND** Indicates the analyte was analyzed for, but not detected
- E** Indicates the reported value is estimated because of the presence of interference
- M** Indicates Duplicate injection precision not met.
- N** Indicates the spiked sample recovery is not within control limits.
- S** Indicates the reported value was determined by the Method of Standard Addition (MSA).
- \*** Indicates that the duplicate analysis is not within control limits.
- +** Indicates the correlation coefficient for the MSA is less than 0.995.
- D** Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- M** Method qualifiers
  - “**P**” for ICP instrument
  - “**PM**” for ICP when Microwave Digestion is used
  - “**CV**” for Manual Cold Vapor AA
  - “**AV**” for automated Cold Vapor AA
  - “**CA**” for MIDI-Distillation Spectrophotometric
  - “**AS**” for Semi -Automated Spectrophotometric
  - “**C**” for Manual Spectrophotometric
  - “**T**” for Titrimetric
  - “**NR**” for analyte not required to be analyzed
- OR** Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
- Q** Indicates the LCS did not meet the control limits requirements
- H** Sample Analysis Out Of Hold Time

**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

Project #: Q3234

Completed

For thorough review, the report must have the following:

**GENERAL:**

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

**COVER PAGE:**

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

**CHAIN OF CUSTODY:**

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

**ANALYTICAL:**

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 10/10/2025



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,  
Fax : 908 789 8922

**Hit Summary Sheet**  
SW-846

<b>SDG No.:</b>	Q3234	<b>Order ID:</b>	Q3234
<b>Client:</b>	ATG-GREENVILLE AEC	<b>Project ID:</b>	AEC-2025-0013- CSC 4028 Cumberland

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
<b>Client ID : DA-1</b>								
Q3234-01	DA-1	Water	Copper	0.0093	J	0.0023	0.010	mg/L
Q3234-01	DA-1	Water	Lead	0.0014	J	0.0012	0.0060	mg/L
<b>Client ID : DA-2</b>								
Q3234-02	DA-2	Water	Copper	0.019		0.0023	0.010	mg/L
Q3234-02	DA-2	Water	Lead	0.017		0.0012	0.0060	mg/L





# SAMPLE DATA

## Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	09/29/25
Project:	AEC-2025-0013- CSC 4028 Cumberland	Date Received:	09/29/25
Client Sample ID:	DA-1	SDG No.:	Q3234
Lab Sample ID:	Q3234-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-43-9	Cadmium	0.00025	U	1	0.00025	0.0030	mg/L	09/30/25 10:35	10/01/25 17:46	6010D	SW3010
7440-50-8	Copper	0.0093	J	1	0.0023	0.010	mg/L	09/30/25 10:35	10/01/25 17:46	6010D	SW3010
7439-92-1	Lead	0.0014	J	1	0.0012	0.0060	mg/L	09/30/25 10:35	10/01/25 17:46	6010D	SW3010

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Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group4			

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U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
 LOD = Limit of Detection  
 D = Dilution  
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 \* = indicates the duplicate analysis is not within control limits.  
 E = Indicates the reported value is estimated because of the presence of interference.  
 OR = Over Range  
 N = Spiked sample recovery not within control limits

### Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	09/29/25
Project:	AEC-2025-0013- CSC 4028 Cumberland	Date Received:	09/29/25
Client Sample ID:	DA-2	SDG No.:	Q3234
Lab Sample ID:	Q3234-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-43-9	Cadmium	0.00025	U	1	0.00025	0.0030	mg/L	09/30/25 10:35	10/01/25 17:50	6010D	SW3010
7440-50-8	Copper	0.019		1	0.0023	0.010	mg/L	09/30/25 10:35	10/01/25 17:50	6010D	SW3010
7439-92-1	Lead	0.017		1	0.0012	0.0060	mg/L	09/30/25 10:35	10/01/25 17:50	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected  
 LOQ = Limit of Quantitation  
 MDL = Method Detection Limit  
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 N = Spiked sample recovery not within control limits

### LAB CHRONICLE

<b>OrderID:</b> Q3234	<b>OrderDate:</b> 9/29/2025 11:24:32 AM
<b>Client:</b> ATG-GREENVILLE AEC	<b>Project:</b> AEC-2025-0013- CSC 4028 Cumberland
<b>Contact:</b> Staci Bruce	<b>Location:</b> D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q3234-01</b>	<b>DA-1</b>	<b>Water</b>	Metals Group4	6010D	<b>09/29/25</b>	09/30/25	10/01/25	<b>09/29/25</b>
<b>Q3234-02</b>	<b>DA-2</b>	<b>Water</b>	Metals Group4	6010D	<b>09/29/25</b>	09/30/25	10/01/25	<b>09/29/25</b>



# SAMPLE DATA

## Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	09/29/25 12:00
Project:	AEC-2025-0013- CSC 4028 Cumberland	Date Received:	09/29/25
Client Sample ID:	DA-1	SDG No.:	Q3234
Lab Sample ID:	Q3234-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Oil and Grease	0.29	U	1	0.29	5.00	mg/L		10/03/25 10:35	1664A
Phosphorus, Total	0.043	J	1	0.0050	0.050	mg/L	10/09/25 09:40	10/09/25 13:26	365.3
TSS	656		1	1.00	4.00	mg/L		09/30/25 10:00	SM 2540 D-20

Comments: \_\_\_\_\_

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 MDL = Method Detection Limit  
 LOD = Limit of Detection  
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 Q = indicates LCS control criteria did not meet requirements  
 H = Sample Analysis Out Of Hold Time

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
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 N = Spiked sample recovery not within control limits

### Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	09/29/25 12:00
Project:	AEC-2025-0013- CSC 4028 Cumberland	Date Received:	09/29/25
Client Sample ID:	DA-2	SDG No.:	Q3234
Lab Sample ID:	Q3234-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Oil and Grease	4.60	J	1	0.29	5.00	mg/L		10/03/25 10:35	1664A
Phosphorus, Total	0.22		1	0.0050	0.050	mg/L	10/09/25 09:40	10/09/25 13:28	365.3
TSS	207		1	1.00	4.00	mg/L		09/30/25 10:00	SM 2540 D-20

Comments: \_\_\_\_\_

U = Not Detected  
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 MDL = Method Detection Limit  
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### LAB CHRONICLE

<b>OrderID:</b> Q3234	<b>OrderDate:</b> 9/29/2025 11:24:32 AM
<b>Client:</b> ATG-GREENVILLE AEC	<b>Project:</b> AEC-2025-0013- CSC 4028 Cumberland
<b>Contact:</b> Staci Bruce	<b>Location:</b> D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3234-01	DA-1	WATER			09/29/25 12:00			09/29/25
			Oil and Grease	1664A			10/03/25 10:35	
			Phosphorus-Total	365.3		10/09/25	10/09/25 13:26	
			TSS	SM2540 D			09/30/25 10:00	
Q3234-02	DA-2	WATER			09/29/25 12:00			09/29/25
			Oil and Grease	1664A			10/03/25 10:35	
			Phosphorus-Total	365.3		10/09/25	10/09/25 13:28	
			TSS	SM2540 D			09/30/25 10:00	





# SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092  
 (908) 789-8900 • Fax (908) 789-8922  
 www.chemtech.net

ALLIANCE PROJECT NO. AE-C-1051-008  
 QUOTE NO. Q3234  
 COC Number 2045069

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

COMPANY: Durham School Services  
 REPORT TO BE SENT TO:  
 ADDRESS: 1 John C Dean Memorial Boulevard  
 CITY: Cumberland STATE: RI ZIP:  
 ATTENTION: akuravy@stormwater@alliancety.com  
 PHONE: FAX:

PROJECT NAME: CSC 4079 Cumberland  
 PROJECT NO.: AE-C-1051-008 LOCATION: Cumberland  
 PROJECT MANAGER:

BILL TO: awardite.cawners@alliancety.com  
 ADDRESS: CITY: STATE: ZIP:  
 ATTENTION: PHONE: ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

PRESERVATIVES

FAX (RUSH) \_\_\_\_\_ DAYS\*  
 HARDCOPY (DATA PACKAGE): \_\_\_\_\_ DAYS\*  
 EDD: \_\_\_\_\_ DAYS\*  
 \*TO BE APPROVED BY CHEMTECH  
 STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

Level 1 (Results Only)  Level 4 (QC + Full Raw Data)  
 Level 2 (Results + QC)  NJ Reduced  US EPA CLP  
 Level 3 (Results + QC)  NYS ASP A  NYS ASP B  
 + Raw Data)  Other \_\_\_\_\_  
 EDD FORMAT \_\_\_\_\_

1. Cadmium  
 2. Copper  
 3. Lead  
 4. Oil & Grease  
 5. TSS  
 6. Total Phosphorus  
 7.  
 8.  
 9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER				
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9					
1.	DA-1	SW	X				1														
2.	DA-2	SW		X			1														
3.																					
4.																					
5.																					
6.																					
7.																					
8.																					
9.																					
10.																					

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:	RECEIVED BY:
1.	9/29/25	1. [Signature]		
2.		2.		
3.		3.		

Comments: 4 Ambebs PCVD Broken  
Two - DA-1 and Two DA-2  
19.4.1

Conditions of bottles or coolers at receipt:  COMPLIANT  NON COMPLIANT  COOLER TEMP \_\_\_\_\_ °C  
 CLIENT:  Hand Delivered  Other  
 Shipment Complete  YES  NO  
 Page \_\_\_\_ of \_\_\_\_

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**To:** Staci Bruce  
**Subject:** Q3234

Good afternoon Staci,

Just a heads up the cooler was received over temp range.

**Best Regards,**



**Yazmeen** Gomez  
**Sr. Project Manager**  
**An Alliance Technical Group Company**  
**Main:** 908-789-8900  
**Direct:** 908-728-3147  
**Address:** 284 Sheffield St, Ste 1, Mountainside, NJ 07092  
[www.alliancetg.com](http://www.alliancetg.com)   

### Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312