

## **DATA PACKAGE**

GENERAL CHEMISTRY  
METALS

**PROJECT NAME : AEC-2025-0013- 4148 NORWALK**

**ATG-GREENVILLE AEC**

**426 Fairforest way**

**Greenville, SC - 29607**

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

**ORDER ID : Q2291**

**ATTENTION : Daniel Maalouf**



**Laboratory Certification ID # 20012**



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## Cover Page

**Order ID :** Q2291

**Project ID :** AEC-2025-0013- 4148 Norwalk

**Client :** ATG-GREENVILLE AEC

**Lab Sample Number**

Q2291-01

**Client Sample Number**

Outfall 001

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 : \_\_\_\_\_

Date: 6/19/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

**CASE NARRATIVE**

**ATG-GREENVILLE AEC**

**Project Name: AEC-2025-0013- 4148 Norwalk**

**Project # N/A**

**Order ID # Q2291**

**Test Name: Metals ICP-Group1**

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

1 Water sample was received on 06/11/2025.

**B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Anions Group1, COD, Metals ICP-Group1, Oil and Grease, pH, Phosphorus-Total, TKN and TSS. This data package contains results for Metals ICP-Group1.

**C. Analytical Techniques:**

The analysis and digestion of Metals ICP-Group1 was based on method 200.7.

**D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

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

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

**E. Additional Comments:**

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Signature\_\_\_\_\_



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

## **CASE NARRATIVE**

### **ATG-GREENVILLE AEC**

**Project Name: AEC-2025-0013- 4148 Norwalk**

**Project # N/A**

**Order ID # Q2291**

**Test Name: Anions Group1,COD,Oil and Grease,pH,Phosphorus-Total,TKN,TSS**

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

1 Water sample was received on 06/11/2025.

#### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Anions Group1, COD, Metals ICP-Group1, Oil and Grease, pH, Phosphorus-Total, TKN and TSS. This data package contains results for Anions Group1,COD,Oil and Grease,pH,Phosphorus-Total,TKN,TSS.

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

The analysis of Oil and Grease was based on method 1664A, The analysis of Anions Group1 was based on method 300.0, The analysis of Phosphorus-Total was based on method 365.3, The analysis of pH was based on method 9040C, The analysis of TSS was based on method SM2540 D, The analysis of TKN was based on method SM4500 N Org B or C and The analysis of COD was based on method SM5220 D.

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

The Holding Times were met for all samples except for Outfall 001 of pH, as this sample received out of holding time.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (LAW-25-0084MS) analysis met criteria for all samples except for TKN due to matrix interference.

The Matrix Spike Duplicate (LAW-25-0084MSD) analysis met criteria for all samples except for TKN due to matrix interference.

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

The Calibration met the requirements.

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

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 therefore MS/MSD were not performed for this project.



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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 #: Q2291

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: 06/19/2025





# SAMPLE DATA

### Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	06/10/25
Project:	AEC-2025-0013- 4148 Norwalk	Date Received:	06/11/25
Client Sample ID:	Outfall 001	SDG No.:	Q2291
Lab Sample ID:	Q2291-01	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.
7440-50-8	Copper	42.7	1	1.89	10.0	ug/L	06/12/25 12:15	06/17/25 14:34	EPA 200.7	E200.7	
7439-92-1	Lead	35.2	1	1.21	6.00	ug/L	06/12/25 12:15	06/17/25 14:34	EPA 200.7	E200.7	
7440-66-6	Zinc	344	1	1.60	20.0	ug/L	06/12/25 12:15	06/17/25 14:34	EPA 200.7	E200.7	

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Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals ICP-Group1			

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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

### LAB CHRONICLE

<b>OrderID:</b> Q2291	<b>OrderDate:</b> 6/11/2025 12:24:55 PM
<b>Client:</b> ATG-GREENVILLE AEC	<b>Project:</b> AEC-2025-0013- 4148 Norwalk
<b>Contact:</b> Daniel Maalouf	<b>Location:</b> A11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2291-01	Outfall 001	Water	Metals ICP-Group1	200.7	06/10/25	06/12/25	06/17/25	06/11/25



# SAMPLE DATA

### Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	06/10/25 01:30
Project:	AEC-2025-0013- 4148 Norwalk	Date Received:	06/11/25
Client Sample ID:	Outfall 001	SDG No.:	Q2291
Lab Sample ID:	Q2291-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrite	0.092	J	1	0.074	0.60	mg/L		06/11/25 12:18	300.0
Nitrate	0.65		1	0.095	0.50	mg/L		06/11/25 12:18	300.0
Nitrate+Nitrite	0.74	J	1	0.17	1.10	mg/L		06/11/25 12:18	300.0
COD	124		1	1.50	10.0	mg/L		06/12/25 14:21	SM 5220 D-11
Oil and Grease	1.90	J	1	0.29	5.00	mg/L		06/17/25 09:30	1664A
pH	7.21	H	1	0	0	pH		06/12/25 09:15	9040C
Phosphorus, Total	0.074		1	0.0050	0.050	mg/L	06/13/25 09:45	06/13/25 13:27	365.3
TKN	2.10		1	0.11	0.50	mg/L	06/12/25 08:50	06/16/25 15:53	SM4500-N Org C-11 plus NH3 B plus G-11
TSS	602		1	1.00	4.00	mg/L		06/13/25 10:00	SM 2540 D-15

Comments: pH result reported at temperature 20.3 °C

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  
 H = Sample Analysis Out Of Hold Time

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  
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### LAB CHRONICLE

<b>OrderID:</b> Q2291	<b>OrderDate:</b> 6/11/2025 12:24:55 PM
<b>Client:</b> ATG-GREENVILLE AEC	<b>Project:</b> AEC-2025-0013- 4148 Norwalk
<b>Contact:</b> Daniel Maalouf	<b>Location:</b> A11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2291-01	Outfall 001	WATER			06/10/25 01:30			06/11/25
			Anions Group1	300.0			06/11/25 12:18	
			COD	SM5220 D			06/12/25 14:21	
			Oil and Grease	1664A			06/17/25 09:30	
			pH	9040C			06/12/25 09:15	
			Phosphorus-Total	365.3		06/13/25	06/13/25 13:27	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		06/12/25	06/16/25 15:53	
			TSS	SM2540 D			06/13/25 10:00	



# SHIPPING DOCUMENTS

22291



284 Sheffield Street, Mountainside, NJ 07092  
 (908) 789-8900 Fax: (908) 788-9222  
 www.chemtech.net

Alliance Project Number: AEC-2025-0013

**CHAIN OF CUSTODY RECORD**

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Durham School Services	PROJECT NAME: CSC 4148 Norwalk	BILL TO: candice.caviness@alliancetg.com PO#
ADDRESS: 334 Wilson Ave	PROJECT #: AEC-2025-0013 LOCATION: Norwalk	ADDRESS:
CITY: Norwalk STATE: CT ZIP:	PROJECT MANAGER:	CITY: STATE: ZIP:
ATTENTION: <u>daniel.maalouf@alliancetg.com</u>	E-MAIL:	ATTENTION: PHONE:
PHONE: FAX:	PHONE: 864-704-7984 FAX:	

DATA TURNAROUND INFORMATION	DATA DELIVERABLE INFORMATION	ANALYSIS																
FAX: _____ DAYS* HARD COPY: _____ DAYS* EDD _____ DAYS* * TO BE APPROVED BY ALLIANCE STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS	<input type="checkbox"/> RESULTS ONLY <input type="checkbox"/> USEPA CLP <input type="checkbox"/> RESULTS + QC <input type="checkbox"/> New York State ASP "B" <input type="checkbox"/> New Jersey REDUCED <input type="checkbox"/> New York State ASP "A" <input type="checkbox"/> New Jersey CLP <input type="checkbox"/> Other _____ <input type="checkbox"/> EDD Format	<table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">COD</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Total OG</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">pH</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">TSS</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Total Phos</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">TKN</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Nitrate as Nitrogen</th> <th style="writing-mode: vertical-rl; transform: rotate(180deg);">Cu, pb, zn</th> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> </tr> </table>	COD	Total OG	pH	TSS	Total Phos	TKN	Nitrate as Nitrogen	Cu, pb, zn	1	2	3	4	5	6	7	8
COD	Total OG	pH	TSS	Total Phos	TKN	Nitrate as Nitrogen	Cu, pb, zn											
1	2	3	4	5	6	7	8											

CHEMTECH 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	CRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	Outfall 001	SW		x	6/10/25	1:30	5	1	1	1	1	1	1	1	1	1	
2.																	
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	Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant <input type="checkbox"/> Cooler Temp <u>3.0</u> MeOH extraction requires an additional 4oz. Jar for percent solid <input type="checkbox"/> Ice in Cooler?: _____ Comments:
1.		1.	
RELINQUISHED BY	DATE/TIME	RECEIVED BY	
2.	<u>6/11/25</u>	2.	
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	
3.	<u>07:35</u>	3.	

Page \_\_\_\_\_ of \_\_\_\_\_      SHIPPED VIA: CLIENT:  Hand Delivered     Overnight     Picked Up     Overnight    **Shipment Complete**  
 YES     NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT    YELLOW - ALLIANCE COPY    PINK - SAMPLER COPY

**Laboratory Certification**

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488