

DATA PACKAGE

GENERAL CHEMISTRY
METALS

PROJECT NAME : AEC-2025-0013- CSC 4015 STRATFORD

ATG-GREENVILLE AEC

426 Fairforest way

Greenville, SC - 29607

Phone No: 864-704-7984

ORDER ID : Q2290

ATTENTION : Daniel Maalouf



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q2290

Project ID : AEC-2025-0013- CSC 4015 Stratford

Client : ATG-GREENVILLE AEC

Lab Sample Number

Q2290-01
Q2290-02

Client Sample Number

Outfall 1
Outfall 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 4:18 pm, Jun 23, 2025

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- CSC 4015 Stratford

Project # N/A

Order ID # Q2290

Test Name: Metals ICP-Group1

A. Number of Samples and Date of Receipt:

2 Water samples were 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:

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.

Signature _____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 4:18 pm, Jun 23, 2025



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

CASE NARRATIVE

ATG-GREENVILLE AEC

Project Name: AEC-2025-0013- CSC 4015 Stratford

Project # N/A

Order ID # Q2290

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

A. Number of Samples and Date of Receipt:

2 Water samples were 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 1 of pH, for Outfall 2 of pH as sample were receive 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 sample matrix interference.

The Matrix Spike Duplicate (LAW-25-0084MSD) analysis met criteria for all samples except for TKN due to smple 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 was not performed for this project.



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.

Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 4:19 pm, Jun 23, 2025

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 #: Q2290

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

Hit Summary Sheet
SW-846

SDG No.:	Q2290	Order ID:	Q2290
Client:	ATG-GREENVILLE AEC	Project ID:	AEC-2025-0013- CSC 4015 Stratford

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Outfall 1								
Q2290-01	Outfall 1	Water	Copper	12.1		1.89	10.0	ug/L
Q2290-01	Outfall 1	Water	Lead	5.96	J	1.21	6.00	ug/L
Q2290-01	Outfall 1	Water	Zinc	20.7		1.60	20.0	ug/L
Client ID : Outfall 2								
Q2290-02	Outfall 2	Water	Copper	10.7		1.89	10.0	ug/L
Q2290-02	Outfall 2	Water	Lead	2.98	J	1.21	6.00	ug/L
Q2290-02	Outfall 2	Water	Zinc	14.8	J	1.60	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	06/10/25
Project:	AEC-2025-0013- CSC 4015 Stratford	Date Received:	06/11/25
Client Sample ID:	Outfall 1	SDG No.:	Q2290
Lab Sample ID:	Q2290-01	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	12.1		1	1.89	10.0	ug/L	06/12/25 12:15	06/17/25 14:25	EPA 200.7	E200.7
7439-92-1	Lead	5.96	J	1	1.21	6.00	ug/L	06/12/25 12:15	06/17/25 14:25	EPA 200.7	E200.7
7440-66-6	Zinc	20.7		1	1.60	20.0	ug/L	06/12/25 12:15	06/17/25 14:25	EPA 200.7	E200.7

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

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:	06/10/25
Project:	AEC-2025-0013- CSC 4015 Stratford	Date Received:	06/11/25
Client Sample ID:	Outfall 2	SDG No.:	Q2290
Lab Sample ID:	Q2290-02	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.
7440-50-8	Copper	10.7		1	1.89	10.0	ug/L	06/12/25 12:15	06/17/25 14:30	EPA 200.7	E200.7
7439-92-1	Lead	2.98	J	1	1.21	6.00	ug/L	06/12/25 12:15	06/17/25 14:30	EPA 200.7	E200.7
7440-66-6	Zinc	14.8	J	1	1.60	20.0	ug/L	06/12/25 12:15	06/17/25 14:30	EPA 200.7	E200.7

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

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

OrderID:	Q2290	OrderDate:	6/11/2025 12:13:05 PM
Client:	ATG-GREENVILLE AEC	Project:	AEC-2025-0013- CSC 4015 Stratford
Contact:	Daniel Maalouf	Location:	A11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2290-01	Outfall 1	Water	Metals ICP-Group1	200.7	06/10/25	06/12/25	06/17/25	06/11/25
Q2290-02	Outfall 2	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 08:42
Project:	AEC-2025-0013- CSC 4015 Stratford	Date Received:	06/11/25
Client Sample ID:	Outfall 1	SDG No.:	Q2290
Lab Sample ID:	Q2290-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrite	0.074	U	1	0.074	0.60	mg/L		06/11/25 09:47	300.0
Nitrate	0.87		1	0.095	0.50	mg/L		06/11/25 09:47	300.0
Nitrate+Nitrite	0.87	J	1	0.17	1.10	mg/L		06/11/25 09:47	300.0
COD	78.4		1	1.50	10.0	mg/L		06/12/25 14:20	SM 5220 D-11
Oil and Grease	0.80	J	1	0.29	5.00	mg/L		06/17/25 09:30	1664A
pH	6.92	H	1	0	0	pH		06/12/25 09:00	9040C
Phosphorus, Total	0.097		1	0.0050	0.050	mg/L	06/13/25 09:45	06/13/25 13:25	365.3
TKN	1.00		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	35.6		1	1.00	4.00	mg/L		06/13/25 10:00	SM 2540 D-15

Comments: pH result reported at temperature 20.5 °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

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	06/10/25 08:42
Project:	AEC-2025-0013- CSC 4015 Stratford	Date Received:	06/11/25
Client Sample ID:	Outfall 2	SDG No.:	Q2290
Lab Sample ID:	Q2290-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrite	0.074	U	1	0.074	0.60	mg/L		06/11/25 11:14	300.0
Nitrate	0.095	U	1	0.095	0.50	mg/L		06/11/25 11:14	300.0
Nitrate+Nitrite	0.17	U	1	0.17	1.10	mg/L		06/11/25 11:14	300.0
COD	70.3		1	1.50	10.0	mg/L		06/12/25 14:20	SM 5220 D-11
Oil and Grease	0.30	J	1	0.29	5.00	mg/L		06/17/25 09:30	1664A
pH	7.09	H	1	0	0	pH		06/12/25 09:10	9040C
Phosphorus, Total	0.12		1	0.0050	0.050	mg/L	06/13/25 09:45	06/13/25 13:27	365.3
TKN	1.30		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	22.6		1	1.00	4.00	mg/L		06/13/25 10:00	SM 2540 D-15

Comments: pH result reported at temperature 20.1 °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

N =Spiked sample recovery not within control limits

LAB CHRONICLE

OrderID:	Q2290	OrderDate:	6/11/2025 12:13:05 PM
Client:	ATG-GREENVILLE AEC	Project:	AEC-2025-0013- CSC 4015 Stratford
Contact:	Daniel Maalouf	Location:	A11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2290-01	Outfall 1	WATER			06/10/25 08:42			06/11/25
			Anions Group1	300.0			06/11/25 09:47	
			COD	SM5220 D			06/12/25 14:20	
			Oil and Grease	1664A			06/17/25 09:30	
			pH	9040C			06/12/25 09:00	
			Phosphorus-Total	365.3		06/13/25	06/13/25 13:25	
			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	
Q2290-02	Outfall 2	WATER			06/10/25 08:42			06/11/25
			Anions Group1	300.0			06/11/25 11:14	
			COD	SM5220 D			06/12/25 14:20	
			Oil and Grease	1664A			06/17/25 09:30	
			pH	9040C			06/12/25 09:10	
			Phosphorus-Total	365.3		06/13/25	06/13/25 13:27	

LAB CHRONICLE

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

2290



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

COC Number:

CLIENT INFORMATION

PROJECT INFORMATION

BILLING INFORMATION

COMPANY: Durham School Services
ADDRESS: 70 Chestnut St
CITY Stratford STATE:CT ZIP:
ATTENTION: daniel.maalouf@alliancetg.com
PHONE: FAX:

PROJECT NAME: CSC 4015 Stratford
PROJECT #:AEC-2025-0013 LOCATION: Stratford
PROJECT MANAGER:
E-MAIL:
PHONE:864-704-7984 FAX:

BILL TO:candice.caviness@alliancetg.com PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX: DAYS*
HARD COPY: DAYS*
EDD DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☐ EDD Format

ANALYSIS

COD	Total OG	pH	TSS	Total Phos	TKN	Nitrate as Nitrogen	Cu, pb, zn	
1	2	3	4	5	6	7	8	9

PRESERVATIVES

COMMENTS

<- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	Outfall 1	SW		x	6/10/25	8:42	5	1	1	1	1	1	1	1	1	1	
2.	Outfall 2	SW		x	6/10/25	8:42	5	1	1	1	1	1	1	1	1	1	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION 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 Comments: <input type="checkbox"/> Ice in Cooler?:
1.		1.	
RELINQUISHED BY	DATE/TIME	RECEIVED BY	
2.	6/11/25 0735	2. <i>[Signature]</i>	
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	
3.		3. <i>[Signature]</i>	

Page _____ of _____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ 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