

DATA PACKAGE

GENERAL CHEMISTRY

PROJECT NAME : AEC-2025-0013

ATG-GREENVILLE AEC

426 Fairforest way

Greenville, SC - 29607

Phone No: 864-704-7984

ORDER ID : Q3443

ATTENTION : Daniel Maalouf



Laboratory Certification ID # 20012



1) Signature Page	3
2) Case Narrative	4
3) Qualifier Page	5
4) QA Checklist	6
5) Genchem Data	7
6) Shipping Document	11
6.1) CHAIN OF CUSTODY	12
6.2) Lab Certificate	13

Cover Page

Order ID : Q3443

Project ID : AEC-2025-0013

Client : ATG-GREENVILLE AEC

Lab Sample Number

Q3443-01

Client Sample Number

SW-1

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: 11/3/2025

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

Project # N/A

Order ID # Q3443

Test Name: Ammonia,Anions Group1,Phosphorus-Total,TKN,Total Nitrogen,TSS

A. Number of Samples and Date of Receipt:

1 Water sample was received on 10/23/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Ammonia,Anions Group1,Phosphorus-Total,TKN,Total Nitrogen,TSS. This data package contains results for Ammonia,Anions Group1,Phosphorus-Total,TKN,Total Nitrogen,TSS.

C. Analytical Techniques:

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 Total Nitrogen was based on method Cal, 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 Ammonia was based on method SM4500-NH3.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

Sample SW-1 was diluted due to high concentrations for Nitrate.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike analysis met criteria for all compounds.

The Matrix Spike Duplicate analysis met criteria for all compounds.

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

The Calibration met the requirements.

E. Additional Comments: The Date and time of sampling was not listed in the COC.

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_____

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 #: Q3443

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: 11/03/2025



SAMPLE DATA

Report of Analysis

Client: ATG-GREENVILLE AEC
Project: AEC-2025-0013
Client Sample ID: SW-1
Lab Sample ID: Q3443-01

Date Collected: 10/23/25 00:00
Date Received: 10/23/25
SDG No.: Q3443
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	0.15		1	0.030	0.10	mg/L	10/28/25 14:50	10/29/25 11:38	SM 4500-NH3 B plus G-21
Nitrite	0.074	U	1	0.074	0.60	mg/L		10/24/25 15:28	300.0
Nitrate	19.8	OR	1	0.095	0.50	mg/L		10/24/25 15:28	300.0
Nitrate+Nitrite	17.7		1	1.02	5.60	mg/L		10/24/25 15:28	300.0
Phosphorus, Total	0.64		1	0.0050	0.050	mg/L	10/31/25 10:00	10/31/25 13:39	365.3
TKN	3.00		1	0.11	0.50	mg/L	10/29/25 08:50	10/29/25 14:34	SM4500-N Org C-21 plus NH3 B plus G-21
Nitrogen	20.7		1	0.31	1.30	mg/L		10/29/25 14:34	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	73.2		1	1.00	4.00	mg/L		10/24/25 12:30	SM 2540 D-20

Comments:

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
Project: AEC-2025-0013
Client Sample ID: SW-1DL
Lab Sample ID: Q3443-01DL

Date Collected: 10/23/25 00:00
Date Received: 10/23/25
SDG No.: Q3443
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrate	17.7	D	10	0.95	5.00	mg/L		10/24/25 16:12	300.0

Comments:

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

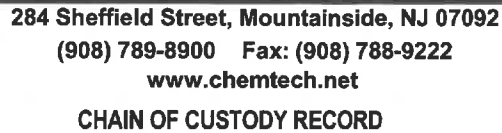
LAB CHRONICLE

OrderID:	Q3443	OrderDate:	10/23/2025 12:04:00 PM
Client:	ATG-GREENVILLE AEC	Project:	AEC-2025-0013
Contact:	Daniel Maalouf	Location:	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3443-01	SW-1	WATER			10/23/25 00:00			10/23/25
			Phosphorus-Total	365.3		10/31/25	10/31/25 13:39	
			Total Nitrogen	Cal			10/29/25 14:34	
			TSS	SM2540 D			10/24/25 12:30	
			Ammonia	SM4500-NH3		10/28/25	10/29/25 11:38	
			Anions Group1	300.0			10/24/25 15:28	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		10/29/25	10/29/25 14:34	
Q3443-01DL	SW-1DL	WATER			10/23/25 00:00			10/23/25
			Anions Group1	300.0			10/24/25 16:12	



SHIPPING DOCUMENTS



Alliance Project Number: AEC-2025-0013

COC Number:

Q3443

PROJECT INFORMATION

BILLING INFORMATION

PROJECT NAME: CSC 6600 Jefferson Hills	
PROJECT #:AEC-2025-0013	LOCATION: PA
PROJECT MANAGER:	
E-MAIL:	
PHONE:	FAX:

BILL TO: dede.golding@alliancetg.com	PO#
ADDRESS:	
CITY:	STATE: ZIP:
ATTENTION:	PHONE:

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

Oil & Grease	TSS	Total Phosphorus	Total Nitrogen					
1	2	3	4	5	6	7	8	9

PRESERVATIVES



COMMENTS

← Specify Preservatives

A-HCl	B-HNO ₃
C-H ₂ SO ₄	D-NaOH
E-ICE	F-Other

[illegible]

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>4.5°C</u> MeOH extraction requires an additional 4oz. Jar for percent solid <input type="checkbox"/> Ice in Cooler?: _____ Comments:		
1.		 1137			
RELINQUISHED BY	DATE/TIME	RECEIVED BY			
2.		 10-23-2			
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	Page of	SHIPPED VIA: CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Overnight ALLIANCE: <input type="checkbox"/> Picked Up <input type="checkbox"/> Overnight	<u>Shipment Complete</u> <input type="checkbox"/> YES <input type="checkbox"/> NO
3.		3.			

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

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