

DATA PACKAGE

GENERAL CHEMISTRY
METALS

PROJECT NAME : AEC-2025-0013

ATG-GREENVILLE AEC

426 Fairforest way

Greenville, SC - 29607

Phone No: 864-704-7984

ORDER ID : Q3442

ATTENTION : Staci Bruce



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3442

Project ID : AEC-2025-0013

Client : ATG-GREENVILLE AEC

Lab Sample Number

Q3442-01

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 :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:45 am, Nov 05, 2025

Date: 11/3/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

ATG-GREENVILLE AEC

Project Name: AEC-2025-0013

Project # N/A

Order ID # Q3442

Test Name: Metals Group4,Anions Group1,BOD5,COD,pH,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: Metals Group4,Anions Group1,BOD5,COD,pH,Phosphorus-Total,TKN,Total Nitrogen,TSS. This data package contains results for Metals Group4(6010D),Anions Group1(300.0),BOD5(SM5210 B),COD(SM5220 D),pH(9040C),Phosphorus-Total(365.3),TKN(SM4500 N Org B or C),Total Nitrogen(Cal),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 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 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, The analysis of BOD5 was based on method SM5210 B and The analysis of COD was based on method SM5220 D.

D. QA/ QC Samples:

The Holding Times were met for all analysis except following Wetchem : SW-1 of BOD5, Nitrite, Nitrate and pH as sample was receive out of holding time.

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.

284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

E. Additional Comments:

Metals Group4 : As per special requirement for this project form-1 and Hit Summary are reported in mg/l.

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

Signature_____

By Nimisha Pandya, QA/QC Supervisor at 10:46 am, Nov 05, 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 #: Q3442

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



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

Hit Summary Sheet
SW-846

SDG No.: Q3442

Order ID: Q3442

Client: ATG-GREENVILLE AEC

Project ID: AEC-2025-0013

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Q3442-01	SW-1 SW-1	Water	Iron	0.12		0.012	0.050	mg/L



SAMPLE DATA

Report of Analysis

Client: ATG-GREENVILLE AEC
Project: AEC-2025-0013
Client Sample ID: SW-1
Lab Sample ID: Q3442-01
Level (low/med): low

Date Collected: 10/18/25
Date Received: 10/23/25
SDG No.: Q3442
Matrix: Water
% Solid: 0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	0.12		1	0.012	0.050	mg/L	10/27/25 10:45	10/29/25 16:29	6010D	SW3010

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:	Q3442	OrderDate:	10/23/2025 12:02:00 PM
Client:	ATG-GREENVILLE AEC	Project:	AEC-2025-0013
Contact:	Staci Bruce	Location:	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3442-01	SW-1	Water	Metals Group4	6010D	10/18/25	10/27/25	10/29/25	10/23/25



SAMPLE DATA

Report of Analysis

Client: ATG-GREENVILLE AEC
Project: AEC-2025-0013
Client Sample ID: SW-1
Lab Sample ID: Q3442-01

Date Collected: 10/18/25 15:00
Date Received: 10/23/25
SDG No.: Q3442
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrite	0.074	HU	1	0.074	0.60	mg/L		10/24/25 14:24	300.0
Nitrate	0.095	HU	1	0.095	0.50	mg/L		10/24/25 14:24	300.0
Nitrate+Nitrite	0.17	U	1	0.17	1.10	mg/L		10/24/25 14:24	300.0
BOD5	3.20	H	1	0.20	2.00	mg/L		10/24/25 15:40	SM 5210 B-16
COD	10.7		1	1.50	10.0	mg/L		10/24/25 16:24	SM 5220 D-11
pH	5.54	H	1	0	0	pH		10/27/25 08:35	9040C
Phosphorus, Total	0.025	J	1	0.0050	0.050	mg/L	10/31/25 10:00	10/31/25 13:37	365.3
TKN	0.22	J	1	0.11	0.50	mg/L	10/29/25 08:50	10/29/25 14:26	SM4500-N Org C-21 plus NH3 B plus G-21
Nitrogen	0.31	U	1	0.31	1.30	mg/L		10/29/25 14:26	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	49.2		1	1.00	4.00	mg/L		10/24/25 12:30	SM 2540 D-20

Comments: pH result reported at temperature 20.6 °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

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LAB CHRONICLE

OrderID:	Q3442	OrderDate:	10/23/2025 12:02:00 PM
Client:	ATG-GREENVILLE AEC	Project:	AEC-2025-0013
Contact:	Staci Bruce	Location:	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3442-01	SW-1	WATER			10/18/25 15:00			10/23/25
			Anions Group1	300.0			10/24/25 14:24	
			BOD5	SM5210 B			10/24/25 15:40	
			COD	SM5220 D			10/24/25 16:24	
			pH	9040C			10/27/25 08:35	
			Phosphorus-Total	365.3		10/31/25	10/31/25 13:37	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		10/29/25	10/29/25 14:26	
			Total Nitrogen	Cal			10/29/25 14:26	
			TSS	SM2540 D			10/24/25 12:30	



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Atco

ADDRESS:

CITY: Fairview STATE: PA ZIP:

ATTENTION: Staci Bruce @ alliance tg.com

PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Staci Bruce

PROJECT NO.: AEC 2025-0013 LOCATION:

PROJECT MANAGER:

e-mail:

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO:

PO#:

ADDRESS:

CITY:

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH)

HARDCOPY (DATA PACKAGE):

EDD: DAYS* DAYS*

*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ 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

PRESERVATIVES

COMMENTS

ALLIANCE
SAMPLE ID PROJECT
SAMPLE IDENTIFICATION

SAMPLE MATRIX
SAMPLE TYPE
COLLECTION DATE TIME
OF BOTTLES

1 2 3 4 5 6 7 8 9

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

1.	SW-1	SV	3:00	10/18	8	1	2	3	4	5	6	7	8	9	
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:

1132

1. Doug Simmons

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

10/23/25

2. RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

2.

3. RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

3.

Comments:

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP

4.1 °C

Page of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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