

## **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 : Q3728**

**ATTENTION : Greg Etter**



**Laboratory Certification ID # 20012**



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## Cover Page

**Order ID :** Q3728

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

**Client :** ATG-GREENVILLE AEC

**Lab Sample Number**

Q3728-01

**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 10:53 am, Dec 10, 2025*

Date: 12/8/2025

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 # Q3728**

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

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

1 Water sample was received on 11/26/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Anions Group1,Phosphorus-Total,TKN,Total Nitrogen,TSS. This data package contains results for 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 and The analysis of TKN was based on method SM4500 N Org B or C.

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

The Holding Times were met for all analysis.

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:**

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 10:53 am, Dec 10, 2025

## DATA REPORTING QUALIFIERS- INORGANIC

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

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

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q3728

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: 12/08/2025



# SAMPLE DATA

## Report of Analysis

Client: ATG-GREENVILLE AEC  
Project: AEC-2025-0013  
Client Sample ID: SW-1  
Lab Sample ID: Q3728-01

Date Collected: 11/25/25 14:06  
Date Received: 11/26/25  
SDG No.: Q3728  
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  |                | 11/26/25 13:10 | 300.0                                            |
| Nitrate           | 0.10  | J    | 1  | 0.095  | 0.50       | mg/L  |                | 11/26/25 13:10 | 300.0                                            |
| Nitrate+Nitrite   | 0.10  | U    | 1  | 0.17   | 1.10       | mg/L  |                | 11/26/25 13:10 | 300.0                                            |
| Phosphorus, Total | 0.10  |      | 1  | 0.0050 | 0.050      | mg/L  | 12/05/25 10:45 | 12/05/25 13:46 | 365.3                                            |
| TKN               | 0.62  |      | 1  | 0.11   | 0.50       | mg/L  | 12/05/25 08:50 | 12/05/25 14:11 | SM4500-N Org<br>C-21 plus NH3<br>B plus G-21     |
| Nitrogen          | 0.72  | J    | 1  | 0.31   | 1.30       | mg/L  |                | 12/05/25 14:11 | SM 4500-N<br>Org C-11 plus<br>NH3 B plus<br>G-11 |
| TSS               | 36.3  |      | 1  | 1.00   | 4.00       | mg/L  |                | 11/26/25 19:00 | 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

## LAB CHRONICLE

|                 |                    |                   |                        |
|-----------------|--------------------|-------------------|------------------------|
| <b>OrderID:</b> | Q3728              | <b>OrderDate:</b> | 11/26/2025 11:07:00 AM |
| <b>Client:</b>  | ATG-GREENVILLE AEC | <b>Project:</b>   | AEC-2025-0013          |
| <b>Contact:</b> | Greg Etter         | <b>Location:</b>  | A11                    |

| LabID           | ClientID    | Matrix       | Test             | Method                                          | Sample Date               | Prep Date | Anal Date         | Received        |
|-----------------|-------------|--------------|------------------|-------------------------------------------------|---------------------------|-----------|-------------------|-----------------|
| <b>Q3728-01</b> | <b>SW-1</b> | <b>WATER</b> |                  |                                                 | <b>11/25/25<br/>14:06</b> |           |                   | <b>11/26/25</b> |
|                 |             |              | Anions Group1    | 300.0                                           |                           |           | 11/26/25<br>13:10 |                 |
|                 |             |              | Phosphorus-Total | 365.3                                           |                           | 12/05/25  | 12/05/25<br>13:46 |                 |
|                 |             |              | TKN              | SM4500-N<br>Org C-11 plus<br>NH3 B plus<br>G-11 |                           | 12/05/25  | 12/05/25<br>14:11 |                 |
|                 |             |              | Total Nitrogen   | Cal                                             |                           |           | 12/05/25<br>14:11 |                 |
|                 |             |              | TSS              | SM2540 D                                        |                           |           | 11/26/25<br>19:00 |                 |



# SHIPPING DOCUMENTS



### 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           |