

## 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 : \_\_\_\_\_

Date: 11/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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## **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, Oil and Grease**

#### **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), Oil and Grease(1664A).

#### **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. The analysis of Oil and Grease was based on method 1664A.

#### **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.



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The Duplicate analysis met criteria for all compound.  
The Serial Dilution met the acceptable requirements.

**E. Additional Comments:**

Anions Group1,BOD5,COD,pH,Phosphorus-Total,TKN,Total Nitrogen,TSS,Oil and Grease : 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 for Q3442 therefore Lab reported MS-MSD from Q3551 and Q3554.

This Data Package has been Revised because of for Genchem, Oil and Grease parameter activated as per Client Request.

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

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Signature\_\_\_\_\_

## 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 “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
<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 #: 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: 11/07/2025