

DATA PACKAGE

GENERAL CHEMISTRY

PROJECT NAME: AEC-2025-0013 - CSC 6113 TAYLORVILLE

ATG-GREENVILLE AEC 426 Fairforest way

Greenville, SC - 29607

Phone No: 864-704-7984

ORDER ID: Q3351

ATTENTION: Staci Bruce







Table Of Contents for Q3351

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

Q3351 **2 of 13**

SW-2



Cover Page

Order ID:	Q3351
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Q3351-02

Project ID: AEC-2025-0013 - CSC 6113 Taylorville

Client: ATG-GREENVILLE AEC

Lab Sample Number

Client Sample Number

Q3351-01

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 :		
Signature .	 Date:	10/17/2025

NYDOH CERTIFICATION NO - 11376 NJDEP CERTIFICATION NO - 20012

Q3351 **3 of 13**



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 6113 Taylorville

Project # N/A Order ID # Q3351 Test Name: COD,TSS

A. Number of Samples and Date of Receipt:

2 Water samples were received on 10/15/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: COD,TSS. This data package contains results for COD,TSS.

C. Analytical Techniques:

The analysis of TSS was based on method SM2540 D and The analysis of COD was based on method SM5220 D.

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.

Signature	
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Q3351 4 of 13



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

Aliance

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3351

	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)	<u> </u>
Check chain-of-custody for proper relinquish/return of samples	<u> </u>
Is the chain of custody signed and complete	<u> </u>
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	<u> </u>
Collect information for each project id from server. Were all requirements followed	<u> </u>
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	<u> </u>
Do lab numbers and client Ids on cover page agree with the Chain of Custody	<u> </u>
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	<u> </u>
Do requested analyses on Chain of Custody agree with the log-in page	<u> </u>
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	<u> </u>
Were the samples received within hold time	<u> </u>
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	<u> </u>
ANALYTICAL:	
Was method requirement followed?	<u> </u>
Was client requirement followed?	<u> </u>
Does the case narrative summarize all QC failure?	<u> </u>
All runlogs and manual integration are reviewed for requirements	<u> </u>
All manual calculations and /or hand notations verified	<u> </u>

QA Review Signature: SOHIL JODHANI Date: 10/17/2025

Q3351 **6 of 13**



5

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Q3351 7 of 13





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

Fax: 908 789 8922

Report of Analysis

Client: ATG-GREENVILLE AEC

Project: AEC-2025-0013 - CSC 6113 Taylorville

Client Sample ID: SW-1 Lab Sample ID: Q3351-01 Date Collected: 10/13/25 11:04 Date Received: 10/15/25

SDG No.: Q3351 Matrix: Water % Solid: 0

Parameter	Conc. Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
COD	78.5	1	1.50	10.0	mg/L		10/15/25 14:35	SM 5220 D-11
TSS	62.9	1	1.00	4.00	mg/L		10/16/25 09:35	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

Q3351 **8**





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

Fax: 908 789 8922

Report of Analysis

Client: ATG-GREENVILLE AEC

Project: AEC-2025-0013 - CSC 6113 Taylorville

Client Sample ID: SW-2 Lab Sample ID: Q3351-02 Date Collected: 10/13/25 11:07

Date Received: 10/15/25 SDG No.: Q3351 Matrix: Water % Solid: 0

Parameter	Conc. Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
COD	102	1	1.50	10.0	mg/L		10/15/25 14:36	SM 5220 D-11
TSS	298	1	1.00	4.00	mg/L		10/16/25 09:35	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

9 of 13



LAB CHRONICLE

Q3351 OrderID:

OrderDate: 10/15/2025 10:16:35 AM ATG-GREENVILLE AEC Client: Project: AEC-2025-0013 - CSC 6113 Taylorville

Staci Bruce Location: J33 Contact:

Sample Date LabID ClientID Matrix Test Method **Anal Date Prep Date** Received Q3351-01 SW-1 Water 10/13/25 10/15/25 11:04 COD SM5220 D 10/15/25 14:35 TSS SM2540 D 10/16/25 09:35 Q3351-02 SW-2 Water 10/13/25 10/15/25 11:07 COD SM5220 D 10/15/25 14:36 TSS SM2540 D 10/16/25

09:35

Q3351 10 of 13



SHIPPING DOCUMENTS

Q3351 **11 of 13**

Page	1	of i	1

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Analysis Request / Chain of Custody

AI	iance	Falls, Ol	reet Chyanoga hio 44223 53-8211	1 kiid jy SiS 1	Land make il		,*-	- and				LAB WO NO.:		For All	iance Techni	cal Group, LI	C-Akron us	e only		
	chool Services		Project Identification CSC 6113 Taylorville					Į į					tical Par	ameter	and Mo	thods Re	quested			
26 Fa	airforest Way	,	Project Street Address 407 S Baughma	an Rd			Air, NPW	ر ا			П	Г	Т	Т		T	Т		Т	
Gree	enville state SC	_{zip} 29607	City Taylorville State IL	· Zip				Oil, A = A	. Acetat											(S/R)
nt Phone			Report To			1			4) Zine											outine
tact Person			PO# AEC-2025-0013	Quote Number		1		Liquid, g Water	3) HCl;											ce or R
nt Email Ad aci,bruce	dress e@alliancetg.com		PWS ID	Facility ID		1		ge, L =	12504; other (s	per Sample										nplian
npled By <i>(Pri</i> . it: i:	ns Name and Provide Signature)		Reporting/Accreditation Requirement Ohio VAP Drinking Water Compliance	Ohio EPA Pb, o	Cn		 	Matrk: S = Solid, SL = Sludge, L = Liquid, O Non-Potable Water, DW = Drinking Water	Preservation: 1) HNO3; 2) H2SO4; 3) HCl; 4) Zinc Acetate; NaOH; 6) EDA; 7) noue; 8) other (specify in comments)				_							For DW Only: Special Compliance or Routine (S/R)
DW anly, res	sults to be reported to state by l	ab? If yes, lab fee may apply:	Other Compliance (List State/	Program):		nple	te Samı	= Solid ble Wat	loa: 1) l	of Cont		40	Hdp							Only: S
#	Sample Point ID	Sample 1	dentification	Date Collected	Time Collected	Grab Sample	Composite Sample	fatrix: S on-Pota	reservat aOH; 6)	Number of Containers	000	TSS	Field							or DW
	SW-1	5~-1		10-13-3	1/.04	~	"	SW	A Z	2	V	~	-							-
	SW-2	SW2		10-13-25	11:07 4	V					1	1								
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inquished	by:	Date	Time	Received	by:	Da	1		Time		Notes / Co	mments:			Sbr.	1	1.35	·		
15 y	(10-13-25	2:31	HUN	X	10/13	1/10/3	14.	.5		Fie	eld	pł	1:3	SWZ	/,2	3	_	5	
											Sufficient	volume for a	analysis?	,	YES	NO		Cooler?	YES NO	N/A
eived at A	TG-Akron by:	Date	Time	Carr	ier	RUSH	I Reque	sted:	Day(s)		Recei	pt Temperat	ure:	Cooler Ser Sample Se		INTAC' INTAC'		OT INTACT		
1	-	10/15/25	10:00			Please provi	ide advanced no	notice of rush requests whenever possible.			°C Ice Present? YES NO MELTED N/A									





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

QA Control Code: A2070148