

DATA PACKAGE

GENERAL CHEMISTRY

PROJECT NAME : AEC-2025-0013-CSC 6420 ELIZABETHTOWN

ATG-GREENVILLE AEC

426 Fairforest way

Greenville, SC - 29607

Phone No: 864-704-7984

ORDER ID : Q2471

ATTENTION : Daniel Maalouf



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q2471

Project ID : AEC-2025-0013-CSC 6420 Elizabethtown

Client : ATG-GREENVILLE AEC

Lab Sample Number

Q2471-01

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: 7/11/2025

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-CSC 6420 Elizabethtown

Project # N/A

Order ID # Q2471

Test Name: Anions Group1,Oil and Grease,Phosphorus-Total,TKN,TSS

A. Number of Samples and Date of Receipt:

1 Water sample was received on 06/30/2025.

B. Parameters:

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

C. Analytical Techniques:

The analysis of Oil and Grease was based on method 1664A, 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 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 samples except for SW-1 of Nitrite and Nitrate as Sample was received out of holding time.

The Blank Spike met requirements for all parameters.

The Duplicate analysis met criteria for all parameters.

The Matrix Spike analysis met criteria for all parameters.

The Matrix Spike Duplicate analysis met criteria for all parameters.

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

The Calibration met the requirements.

E. Additional Comments:

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 Q2470 therefore Lab reported MS-MSD from Q2441.

The temperature of the samples at the time of receipt was 25.3°C. Lab notified this issue to the client. See the communication in shipping Document section.

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 #: Q2471

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: MOHAMMAD AHMED

Date: 07/11/2025



SAMPLE DATA

Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	06/27/25 13:09
Project:	AEC-2025-0013-CSC 6420 Elizabethtown	Date Received:	06/30/25
Client Sample ID:	SW-1	SDG No.:	Q2471
Lab Sample ID:	Q2471-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrite	0.093	HJ	1	0.074	0.60	mg/L		07/01/25 11:35	300.0
Nitrate	0.41	HJ	1	0.095	0.50	mg/L		07/01/25 11:35	300.0
Nitrate+Nitrite	0.50	J	1	0.17	1.10	mg/L		07/01/25 11:35	300.0
Oil and Grease	1.80	J	1	0.29	5.00	mg/L		07/02/25 09:00	1664A
Phosphorus, Total	0.21		1	0.0050	0.050	mg/L	07/09/25 09:50	07/09/25 14:23	365.3
TKN	1.50		1	0.11	0.50	mg/L	07/07/25 10:45	07/09/25 12:50	SM4500-N Org C-21 plus NH3 B plus G-21
TSS	27.4		1	1.00	4.00	mg/L		07/02/25 09:30	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

LAB CHRONICLE

OrderID:	Q2471	OrderDate:	7/1/2025 8:08:50 AM
Client:	ATG-GREENVILLE AEC	Project:	AEC-2025-0013-CSC 6420 Elizabethtown
Contact:	Daniel Maalouf	Location:	A33

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2471-01	SW-1	WATER			06/27/25 13:09			06/30/25
			Anions Group1	300.0			07/01/25 11:35	
			Oil and Grease	1664A			07/02/25 09:00	
			Phosphorus-Total	365.3		07/09/25	07/09/25 14:23	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		07/07/25	07/09/25 12:50	
			TSS	SM2540 D			07/02/25 09:30	



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax: (908) 788-9222

www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: AEC-2025-0013

22471

COC Number:

CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION																															
COMPANY: Durham School Services		PROJECT NAME: CSC 6420 Elizabethtown		BILL TO: candice.caviness@alliancetg.com PO#																															
ADDRESS: 2202 South Market Street		PROJECT #: AEC-2025-0013 LOCATION: Elizabethtown		ADDRESS:																															
CITY: Elizabethtown STATE: PA ZIP: 17022		PROJECT MANAGER:		CITY: STATE: ZIP:																															
ATTENTION: daniel.maalouf@alliancetg.com		E-MAIL:		ATTENTION: PHONE:																															
PHONE: FAX:		PHONE: 864-704-7984 FAX:																																	
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		ANALYSIS																															
FAX: DAYS* HARD COPY: DAYS* EDD: DAYS* * TO BE APPROVED BY ALLIANCE STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		<input type="checkbox"/> RESULTS ONLY <input type="checkbox"/> USEPA CLP <input type="checkbox"/> RESULTS + QC <input type="checkbox"/> New York State ASP "B" <input type="checkbox"/> New Jersey REDUCED <input type="checkbox"/> New York State ASP "A" <input type="checkbox"/> New Jersey CLP <input type="checkbox"/> Other _____ <input type="checkbox"/> EDD Format		<table border="1"><thead><tr><th>OG</th><th>Total Phos</th><th>Total Nitrogen</th><th>TSS</th><th></th><th></th><th></th><th></th><th></th><th></th></tr><tr><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th><th></th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>		OG	Total Phos	Total Nitrogen	TSS							1	2	3	4	5	6	7	8	9											
OG	Total Phos	Total Nitrogen	TSS																																
1	2	3	4	5	6	7	8	9																											
CHEMTECH SAMPLE ID		PROJECT SAMPLE IDENTIFICATION		SAMPLE MATRIX		SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles		PRESERVATIVES		COMMENTS																					
						COMP GRAB		DATE TIME				1 2 3 4 5 6 7 8 9		← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other																					
1.	SW-1	SW		X	6/27/25	13:09	3	1	1	1	1				Shipped via Fedex																				
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		Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant <input type="checkbox"/> Cooler Temp 25.3 MeOH extraction requires an additional 4oz. Jar for percent solid																													
1. Daniel Maalouf ATG		6/27/25 14:30		1. <i>[Signature]</i>		Comments:																													
RELINQUISHED BY		DATE/TIME		RECEIVED BY																															
2.				2.																															
RELINQUISHED BY		DATE/TIME		RECEIVED FOR LAB BY		SHIPPED VIA: CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Overnight																													
3.				3.		ALLIANCE: <input type="checkbox"/> Picked Up <input type="checkbox"/> Overnight																													
														Shipment Complete <input type="checkbox"/> YES <input type="checkbox"/> NO																					

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

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Wednesday, July 09, 2025 10:08 AM
Subject: without ice
Attachments: Q2470-TR.pdf

Good morning,

Lab received sample without ice with high temperature 25.3 Degrees. Lab procced with the analysis of the samples.

Thanks & Regards,



Deepak Parmar
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3154
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com



Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488