

## **DATA PACKAGE**

GENERAL CHEMISTRY  
VOLATILE ORGANICS

**PROJECT NAME : AEC-2025-0013- CSC 4153**

**ATG-GREENVILLE AEC**

**426 Fairforest way**

**Greenville, SC - 29607**

**Phone No: 864-704-7984**

**ORDER ID : Q3510**

**ATTENTION : Staci Bruce**



**Laboratory Certification ID # 20012**



## Table Of Contents for Q3510

1) Signature Page	3
2) Case Narrative	4
3) Qualifier Page	6
4) QA Checklist	8
5) VOC-BTEX Data	9
6) Genchem Data	13
7) Shipping Document	16
7.1) CHAIN OF CUSTODY	17
7.2) Lab Certificate	18
7.3) Internal COC	19

1

2

3

4

5

6

7

## Cover Page

**Order ID :** Q3510

**Project ID :** AEC-2025-0013- CSC 4153

**Client :** ATG-GREENVILLE AEC

**Lab Sample Number**

Q3510-01

**Client Sample Number**

OUTFALL-002

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.

**APPROVED**

Signature :

*By Nimisha Pandya, QA/QC Supervisor at 12:45 pm, Nov 10, 2025*

Date: 11/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## **CASE NARRATIVE**

### **ATG-GREENVILLE AEC**

**Project Name: AEC-2025-0013- CSC 4153**

**Project # N/A**

**Order ID # Q3510**

**Test Name: VOC-BTEX,COD,Oil and Grease**

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

1 Water sample was received on 10/31/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: VOC-BTEX,COD,Oil and Grease. This data package contains results for VOC-BTEX(8260-Low),COD(SM5220 D),Oil and Grease(1664A).

### **C. Analytical Techniques:**

VOC-BTEX : The analysis performed on instrument MSVOA\_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOC-BTEX was based on method 8260-Low.

Wetchem : The analysis of Oil and Grease was based on method 1664A and The analysis of COD was based on method SM5220 D.

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

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD were met for all analysis except following

VOC-BTEX : The RPD for {VX1103WBSD01} with File ID: VX048450.D met criteria except for Benzene[17%] due to difference in results of BS and BSD.

The Blank Spike met requirements for all compounds except following

The Blank Spike Duplicate met requirements for all compounds except following

VOC-BTEX : The Blank Spike Duplicate for {VX1103WBSD01} with File ID:

VX048450.D met requirements for all compounds except for Benzene[114%] is failing high but no positive hit in associate sample therefore no corrective action taken.

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

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements except following

VOC-BTEX : The Continuous Calibration File ID VX048445.D met the requirements except for Dibromofluoromethane which is not our target compound, therefore no corrective action taken.

The Tuning criteria met requirements.

The Duplicate analysis met criteria for all compounds.

**E. Additional Comments:**

COD, 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 Q3510 therefore Lab reported MS-MSD from Q3551 and Q3554.

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

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

**F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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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\_\_\_\_\_

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 12:45 pm, Nov 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 “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

## DATA REPORTING QUALIFIERS- ORGANIC

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

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q3510

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



**Hit Summary Sheet**  
SW-846

SDG No.: Q3510  
Client: ATG-GREENVILLE AEC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
-----------	-----------	--------	-----------	---------------	---	-----	-----	-------

Client ID:

0

Total Voc :

Total Concentration:

A

B

C

D



# SAMPLE DATA

## Report of Analysis

Client: ATG-GREENVILLE AEC  
Project: AEC-2025-0013- CSC 4153  
Client Sample ID: OUTFALL-002  
Lab Sample ID: Q3510-01  
Analytical Method: 8260D  
Sample Wt/Vol: 5 mL

Level: LOW  
Final Vol: 5000 uL

Date Collected: 10/30/25  
Date Received: 10/31/25  
SDG No.: Q3510  
Matrix: Water  
% Solid: 0  
Test: VOC-BTEX

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
<b>TARGETS</b>									
71-43-2	Benzene	0.00015	UQ	1	0.00015	0.0010	mg/L	11/03/25 14:18	VX110325
108-88-3	Toluene	0.00014	U	1	0.00014	0.0010	mg/L	11/03/25 14:18	VX110325
100-41-4	Ethyl Benzene	0.00013	U	1	0.00013	0.0010	mg/L	11/03/25 14:18	VX110325
179601-23-1	m/p-Xylenes	0.00024	U	1	0.00024	0.0020	mg/L	11/03/25 14:18	VX110325
95-47-6	o-Xylene	0.00012	U	1	0.00012	0.0010	mg/L	11/03/25 14:18	VX110325
<b>SURROGATES</b>									
17060-07-0	1,2-Dichloroethane-d4	47.8			74 - 125	96%	SPK: 50		
1868-53-7	Dibromofluoromethane	57.7			75 - 124	115%	SPK: 50		
2037-26-5	Toluene-d8	45.9			86 - 113	92%	SPK: 50		
460-00-4	4-Bromofluorobenzene	57.1			77 - 121	114%	SPK: 50		
<b>INTERNAL STANDARDS</b>									
		<b>Area Count</b>							
363-72-4	Pentafluorobenzene	164000							
540-36-3	1,4-Difluorobenzene	238000							
3114-55-4	Chlorobenzene-d5	216000							
3855-82-1	1,4-Dichlorobenzene-d4	120000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

LAB CHRONICLE

OrderID:	Q3510	OrderDate:	10/31/2025 12:10:00 PM
Client:	ATG-GREENVILLE AEC	Project:	AEC-2025-0013- CSC 4153
Contact:	Staci Bruce	Location:	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3510-01	OUTFALL-002	Water	VOC-BTEX	8260-Low	10/30/25		11/03/25	10/31/25



# SAMPLE DATA

## Report of Analysis

Client: ATG-GREENVILLE AEC  
Project: AEC-2025-0013- CSC 4153  
Client Sample ID: OUTFALL-002  
Lab Sample ID: Q3510-01

Date Collected: 10/30/25 12:26  
Date Received: 10/31/25  
SDG No.: Q3510  
Matrix: Water  
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
COD	61.3		1	1.50	10.0	mg/L		11/04/25 13:06	SM 5220 D-11
Oil and Grease	1.80	J	1	0.29	5.00	mg/L		11/07/25 10:30	1664A

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:	Q3510	OrderDate:	10/31/2025 12:10:00 PM
Client:	ATG-GREENVILLE AEC	Project:	AEC-2025-0013- CSC 4153
Contact:	Staci Bruce	Location:	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3510-01	OUTFALL-002	Water			10/30/25 12:26			10/31/25
			COD	SM5220 D			11/04/25 13:06	
			Oil and Grease	1664A			11/07/25 10:30	



# SHIPPING DOCUMENTS



CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Accuracy Stormwater

ADDRESS: 14 Fisher Lane 1

CITY White Plains STATE: NY ZIP:

ATTENTION: Staci.bruce@allianctg.com

PHONE: (423) 902-9441

FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Accuracy Stormwater

PROJECT NO.: AEC-2025-0013 LOCATION: CSC 4153

PROJECT MANAGER: Staci Bruce

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO: DEDE.Golding@allianctg.com PO#:

ADDRESS:

CITY

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) \_\_\_\_\_ DAYS\*

HARDCOPY (DATA PACKAGE): \_\_\_\_\_ DAYS\*

EDD: \_\_\_\_\_ 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 \_\_\_\_\_

1	2	3	4	5	6	7	8	9
COD	DO	DO	BTEX					

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	outfall 002	SW		X	10/30/25	12:26	4	1	1	2							
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: 1. <u>[Signature]</u>	DATE/TIME: <u>10/30/25 19:50</u>	RECEIVED BY: 1. <u>[Signature]</u> <u>10-31-25</u> <u>0630</u>	Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <u>1.6°C</u>
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	Page ____ of CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Other Shipment Complete <input type="checkbox"/> YES <input type="checkbox"/> 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

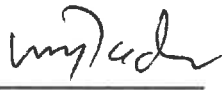
## LOGIN REPORT/SAMPLE TRANSFER

<b>Order ID :</b> Q3510	<b>ATGG01</b>	<b>Order Date :</b> 10/31/2025 12:10:00 PM	<b>Project Mgr :</b>
<b>Client Name :</b> ATG-GREENVILLE AEC		<b>Project Name :</b> AEC-2025-0013- CSC 4153	<b>Report Type :</b> Level 1
<b>Client Contact :</b> Staci Bruce		<b>Receive DateTime :</b> 10/31/2025 6:30:00 AM	<b>EDD Type :</b> EXCEL NOCLEANUP
<b>Invoice Name :</b> ATG-GREENVILLE AEC		<b>Purchase Order :</b>	<b>Hard Copy Date :</b>
<b>Invoice Contact :</b> Staci Bruce			<b>Date Signoff :</b>

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3510-01	OUTFALL-002	Water	10/30/2025	12:26	VOC-BTEX		8260-Low	10 Bus. Days	

*Stored in VOA  
Ref # 04*

Relinquished By:   
Date / Time : 10-31-25 1230

Received By:   
Date / Time : 10-31-25 12:30

Storage Area : VOA Refridgerator Room