

DATA PACKAGE

GENERAL CHEMISTRY
VOLATILE ORGANICS

PROJECT NAME : AEC-2025-0013-CSC 4132 CHESTER

ATG-GREENVILLE AEC

426 Fairforest way

Greenville, SC - 29607

Phone No: 864-704-7984

ORDER ID : Q3507

ATTENTION : Staci Bruce



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3507

Project ID : AEC-2025-0013-CSC 4132 Chester

Client : ATG-GREENVILLE AEC

Lab Sample Number

Q3507-01
Q3507-02

Client Sample Number

SW-1
TB

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 9:21 am, Nov 11, 2025

Date: 11/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

ATG-GREENVILLE AEC

Project Name: AEC-2025-0013-CSC 4132 Chester

Project # N/A

Order ID # Q3507

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

A. Number of Samples and Date of Receipt:

2 Water samples were 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(8260D),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 8260D.

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 except following VOC-BTEX : TB [4-Bromofluorobenzene - 127%] only one vial for analysis so no corrective action taken for failure.

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 recoveries met criteria.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate 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.

The Tuning criteria met requirements.

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

The Duplicate analysis met criteria for all samples.

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 Q3507 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.

F. Manual Integration Comments:

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

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

By Nimisha Pandya, QA/QC Supervisor at 9:22 am, Nov 11, 2025

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

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 #: Q3507

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 Castody

✓

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: 11/10/2025

Hit Summary Sheet
SW-846

SDG No.: Q3507

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 4132 Chester
Client Sample ID: SW-1
Lab Sample ID: Q3507-01
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.: Q3507
Matrix: Water
% Solid: 0
Test: VOC-BTEX

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
71-43-2	Benzene	0.00015	U	1	0.00015	0.0010	mg/L	10/31/25 17:33	VX103125
108-88-3	Toluene	0.00014	U	1	0.00014	0.0010	mg/L	10/31/25 17:33	VX103125
100-41-4	Ethyl Benzene	0.00013	U	1	0.00013	0.0010	mg/L	10/31/25 17:33	VX103125
179601-23-1	m/p-Xylenes	0.00024	U	1	0.00024	0.0020	mg/L	10/31/25 17:33	VX103125
95-47-6	o-Xylene	0.00012	U	1	0.00012	0.0010	mg/L	10/31/25 17:33	VX103125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.3			74 - 125	107%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.4			75 - 124	93%	SPK: 50		
2037-26-5	Toluene-d8	48.5			86 - 113	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.2			77 - 121	108%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	105000							
540-36-3	1,4-Difluorobenzene	227000							
3114-55-4	Chlorobenzene-d5	210000							
3855-82-1	1,4-Dichlorobenzene-d4	116000							

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

Report of Analysis

Client: ATG-GREENVILLE AEC
Project: AEC-2025-0013-CSC 4132 Chester
Client Sample ID: TB
Lab Sample ID: Q3507-02
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/29/25
Date Received: 10/31/25
SDG No.: Q3507
Matrix: Water
% Solid: 0
Test: VOC-BTEX

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
71-43-2	Benzene	0.00015	U	1	0.00015	0.0010	mg/L	10/31/25 16:52	VX103125
108-88-3	Toluene	0.00014	U	1	0.00014	0.0010	mg/L	10/31/25 16:52	VX103125
100-41-4	Ethyl Benzene	0.00013	U	1	0.00013	0.0010	mg/L	10/31/25 16:52	VX103125
179601-23-1	m/p-Xylenes	0.00024	U	1	0.00024	0.0020	mg/L	10/31/25 16:52	VX103125
95-47-6	o-Xylene	0.00012	U	1	0.00012	0.0010	mg/L	10/31/25 16:52	VX103125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.0			74 - 125	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	57.9			75 - 124	116%	SPK: 50		
2037-26-5	Toluene-d8	49.5			86 - 113	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	63.4	*		77 - 121	127%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	111000							
540-36-3	1,4-Difluorobenzene	187000							
3114-55-4	Chlorobenzene-d5	202000							
3855-82-1	1,4-Dichlorobenzene-d4	130000							

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:	Q3507	OrderDate:	10/31/2025 11:34:00 AM
Client:	ATG-GREENVILLE AEC	Project:	AEC-2025-0013-CSC 4132 Chester
Contact:	Staci Bruce	Location:	J12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3507-01	SW-1	Water	VOC-BTEX	8260-Low	10/30/25		10/31/25	10/31/25
Q3507-02	TB	Water	VOC-BTEX	8260-Low	10/29/25		10/31/25	10/31/25



SAMPLE DATA

Report of Analysis

Client: ATG-GREENVILLE AEC
Project: AEC-2025-0013-CSC 4132 Chester
Client Sample ID: SW-1
Lab Sample ID: Q3507-01

Date Collected: 10/30/25 11:20
Date Received: 10/31/25
SDG No.: Q3507
Matrix: Water
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
COD	19.8		1	1.50	10.0	mg/L		11/04/25 13:02	SM 5220 D-11
Oil and Grease	13.8		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:	Q3507	OrderDate:	10/31/2025 11:34:00 AM
Client:	ATG-GREENVILLE AEC	Project:	AEC-2025-0013-CSC 4132 Chester
Contact:	Staci Bruce	Location:	J12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3507-01	SW-1	Water			10/30/25 11:20			10/31/25
			COD	SM5220 D			11/04/25 13:02	
			Oil and Grease	1664A			11/07/25 10:30	



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: **Durham School Services**
ADDRESS: **43 Andrews Lane**
CITY: **Chester** STATE: **NY** ZIP:
ATTENTION: **Staci.bruce@alliance-tg.com**
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **CSC 4132 Chester**
PROJECT NO.: **#AEC-2025-0013** LOCATION: **Chester**
PROJECT MANAGER: **Staci Bruce**
e-mail:
PHONE: **864-704-7984** FAX:

CLIENT BILLING INFORMATION

BILL TO: **dede.golding@alliance-tg.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 + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ EDD FORMAT

*Oil & Grease
COD
BTEX*

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	SW-1	SW		X	10/30	1120	4	C	C	A							← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
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. Gag & Her	DATE/TIME: 10/30 1950	RECEIVED BY: [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.5 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY:	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY:	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

From: Staci Bruce <staci.bruce@alliancetg.com>
Sent: Friday, October 31, 2025 11:57 AM
Subject: RE: sample not mentioned on COC.

For Chester and Goshen. Just the two you received yesterday for project AEC-2025-0013.



Staci Bruce
Director, Compliance
Mobile: 423-902-9441
www.alliancetg.com

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Friday, October 31, 2025 11:46 AM
To: Staci Bruce <staci.bruce@alliancetg.com>
Subject: Re: sample not mentioned on COC.

which project? we have only two.

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



From: Staci Bruce <staci.bruce@alliancetg.com>
Sent: Friday, October 31, 2025 11:27 AM
To: Deepak Parmar <Deepak.Parmar@AllianceTG.com>
Subject: RE: sample not mentioned on COC.

After research it looks like a TB is required for BTEX so please analyze.

ENVIRONMENTAL³⁶⁰ now Alliance
TECHNICAL GROUP

Staci Bruce
Director, Compliance
Mobile: 423-902-9441
www.alliancetg.com

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Friday, October 31, 2025 11:25 AM
To: Staci Bruce <staci.bruce@alliancetg.com>
Subject: Re: sample not mentioned on COC.

ok

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



From: Staci Bruce <staci.bruce@alliancetg.com>
Sent: Friday, October 31, 2025 11:22 AM
To: Deepak Parmar <Deepak.Parmar@AllianceTG.com>
Subject: RE: sample not mentioned on COC.

Are the TB necessary to validate the data? Otherwise, I'm ok with not analyzing the TB.

Thank you,

ENVIRONMENTAL³⁶⁰ now Alliance
TECHNICAL GROUP

Staci Bruce
Director, Compliance
Mobile: 423-902-9441
www.alliancetg.com

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Friday, October 31, 2025 11:19 AM

To: Staci Bruce <staci.bruce@alliancetg.com>

Subject: sample not mentioned on COC.

hi,

The lab received two TB samples but not mentioned on COC, please let us know how to proceed with analysis .
please see attachment

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.
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

Order ID : Q3507	ATGG01	Order Date : 10/31/2025 11:34:00 AM	Project Mgr :
Client Name : ATG-GREENVILLE AEC		Project Name : AEC-2025-0013-CSC 4132	Report Type : Level 1
Client Contact : Staci Bruce		Receive DateTime : 10/31/2025 8:00:00 AM	EDD Type : Excel NY
Invoice Name : ATG-GREENVILLE AEC		Purchase Order :	Hard Copy Date :
Invoice Contact : Staci Bruce			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3507-01	SW-1	Water	10/30/2025	11:20					
					VOC-BTEX		8260-Low	10 Bus. Days	
Q3507-02	TB	Water	10/29/2025	08:00					
					VOC-BTEX		8260-Low	10 Bus. Days	

Relinquished By :

Date / Time : 10-31-25 1203

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room