



*Alliance Technical Group - Akron  
3310 Win St.  
Cuyahoga Falls, Ohio 44223  
TEL: (330) 253-8211 FAX: (330) 253-4489  
Website: <http://www.settek.com>*

July 10, 2025

PM  
ATG - NEWARK LAB  
284 Sheffield Street  
Mountainside, NJ 07092  
TEL:  
FAX:  
RE: Q2379

Order No.: 25061735

Dear PM:

Alliance Technical Group - Akron received 1 sample(s) on 6/20/2025 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

A handwritten signature in black ink that reads "Jennifer Woolf". The signature is written in a cursive, flowing style.

Jennifer Woolf  
Project Manager

3310 Win St.  
Cuyahoga Falls, Ohio 44223

Arkansas 88-0735, California 2943, Colorado, Connecticut PH-0828, Florida NELAC E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, ISO/IEC 17025:2017 119125 L22-544, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Maryland 339, Michigan 9988, Minnesota 1780279, Nevada OH009232020-1, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio DW, Ohio VAP CL0052, Oklahoma 2019-155, Oregon OH200001, Pennsylvania 68-01335, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-19-16, Utah OH009232020-12, Virginia VELAP 10381, West Virginia 9957C



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## **Case Narrative**

WO#: 25061735  
Date: 7/10/2025

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**CLIENT:** ATG - NEWARK LAB

**Project:** Q2379

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### WorkOrder Narrative:

25061735: This report in its entirety consists of the following documents: Cover Letter, Case Narrative, Analytical Results, QC Summary Report, Applicable Accreditation Information, Chain-of-Custody, Cooler Receipt Form, and other applicable forms as necessary. All documents contain the Alliance Technical Group Work Order Number assigned to this report.

Alliance Technical Group holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report. Please refer to the "Accreditation Program Analytes Report" for accredited analytes list.

The information contained in this analytical report is the sole property of Alliance Technical Group and that of the customer. It cannot be reproduced in any form without the consent of Alliance Technical Group or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Alliance Technical Group is not responsible for use or interpretation of the data included herein.

All results for solid samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

This report is believed to meet all of the requirements of the accrediting agency, where applicable. Any comments or problems with the analytical events associated with this report are noted below.

### Analytical Sequence Sample Notes:

25061735-001A TOX\_NPW(9020): Analyst diluted sample due to matrix interference

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Original

These commonly used Qualifiers and Acronyms may or may not be present in this report.

### Qualifiers

<b>U</b>	The compound was analyzed for but was not detected above the MDL.
<b>J</b>	The reported value is greater than the Method Detection Limit but less than the Reporting Limit.
<b>H</b>	The hold time for sample preparation and/or analysis was exceeded. Not Clean Water Act compliant.
<b>D</b>	The result is reported from a dilution.
<b>E</b>	The result exceeded the linear range of the calibration or is estimated due to interference.
<b>MC</b>	The result is below the Minimum Compound Limit.
<b>*</b>	The result exceeds the Regulatory Limit or Maximum Contamination Limit.
<b>m</b>	Manual integration was used to determine the area response.
<b>d</b>	Manual integration in which peak was deleted
<b>N</b>	The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.
<b>P</b>	The second column confirmation exceeded 25% difference.
<b>C</b>	The result has been confirmed by GC/MS.
<b>X</b>	The result was not confirmed when GC/MS Analysis was performed.
<b>B</b>	The analyte was detected in the Method Blank at a concentration greater than the RL.
<b>MB+</b>	The analyte was detected in the Method Blank at a concentration greater than the MDL.
<b>G</b>	The ICB or CCB contained reportable amounts of analyte.
<b>QC-/+</b>	The CCV recovery failed low (-) or high (+).
<b>R/QDR</b>	The RPD was outside of accepted recovery limits.
<b>QL-/+</b>	The LCS or LCSD recovery failed low (-) or high (+).
<b>QLR</b>	The LCS/LCSD RPD was outside of accepted recovery limits.
<b>QM-/+</b>	The MS or MSD recovery failed low (-) or high (+).
<b>QMR</b>	The MS/MSD RPD was outside of accepted recovery limits.
<b>QV-/+</b>	The ICV recovery failed low (-) or high (+).
<b>S</b>	The spike result was outside of accepted recovery limits.
<b>W</b>	Samples were received outside temperature limits (0° – 6° C). Not Clean Water Act compliant.
<b>Z</b>	Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information

### Acronyms

<b>ND</b>	Not Detected	<b>RL</b>	Reporting Limit
<b>QC</b>	Quality Control	<b>MDL</b>	Method Detection Limit
<b>MB</b>	Method Blank	<b>LOD</b>	Level of Detection
<b>LCS</b>	Laboratory Control Sample	<b>LOQ</b>	Level of Quantitation
<b>LCSD</b>	Laboratory Control Sample Duplicate	<b>PQL</b>	Practical Quantitation Limit
<b>QCS</b>	Quality Control Sample	<b>CRQL</b>	Contract Required Quantitation Limit
<b>DUP</b>	Duplicate	<b>PL</b>	Permit Limit
<b>MS</b>	Matrix Spike	<b>RegLvl</b>	Regulatory Limit
<b>MSD</b>	Matrix Spike Duplicate	<b>MCL</b>	Maximum Contamination Limit
<b>RPD</b>	Relative Percent Different	<b>MinCL</b>	Minimum Compound Limit
<b>ICV</b>	Initial Calibration Verification	<b>RA</b>	Reanalysis
<b>ICB</b>	Initial Calibration Blank	<b>RE</b>	Reextraction
<b>CCV</b>	Continuing Calibration Verification	<b>TIC</b>	Tentatively Identified Compound
<b>CCB</b>	Continuing Calibration Blank	<b>RT</b>	Retention Time
<b>RLC</b>	Reporting Limit Check	<b>CF</b>	Calibration Factor

This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.



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**Workorder**  
**Sample Summary**  
WO#: **25061735**  
**10-Jul-25**

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**CLIENT:** ATG - NEWARK LAB  
**Project:** Q2379

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Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
25061735-001	FRAC-TANK		6/18/2025 6:30:00 AM	6/20/2025 10:30:00 AM	Non-Potable Water

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## DATES REPORT

WO#: 25061735

10-Jul-25

**Client:** ATG - NEWARK LAB

**Project:** Q2379

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
25061735-001A	FRAC-TANK	6/18/2025 6:30:00 AM	Non-Potable Water	Total Organic Halides (TOX) (9020)			7/10/2025 8:00:00 AM

Original



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WO#: **25061735**  
Date Reported: **7/10/2025**  
Company: **ATG - NEWARK LAB**  
Address: **284 Sheffield Street**  
**Mountainside NJ 07092**  
Received: **6/20/2025**  
Project#: **Q2379**

Client ID#	Lab ID#	Collected	Analyte	Result Units	Qual	Matrix	Method	DF	MDL	PQL	Run	Analyst
FRAC-TANK	001	6/18/2025	Total Organic Halides	0.0960 mg/L	J	Non-Potable Water	EPA 9020	10	0.0880	1.00	7/10/2025	KMS



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## Accreditation Program Analytes Report

WO#: 25061735  
10-Jul-25

**Client:** ATG - NEWARK LAB

**State:** NY

**Project:** Q2379

**Program Name:** NY\_DW\_WW\_SC  
M\_NELAP

Test Name	Matrix	Analyte	Status
Total Organic Halides (TOX) (9020)	Non-Potable Water	Total Organic Halides	A



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## QC SUMMARY REPORT

WO#: 25061735

10-Jul-25

Client: ATG - NEWARK LAB

Project: Q2379

BatchID: R212230

Sample ID: <b>MB-R212230</b>	SampType: <b>MBLK</b>	TestCode: <b>TOX_NPW(90)</b> Units: <b>mg/L</b>				Prep Date:				RunNo: <b>212230</b>		
Client ID: <b>BatchQC</b>	Batch ID: <b>R212230</b>	TestNo: <b>SW9020</b>				Analysis Date: <b>7/10/2025</b>				SeqNo: <b>5671489</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Organic Halides	ND	0.100									U	

Sample ID: <b>LCS-R212230</b>	SampType: <b>LCS</b>	TestCode: <b>TOX_NPW(90)</b> Units: <b>mg/L</b>				Prep Date:			RunNo: <b>212230</b>		
Client ID: <b>BatchQC</b>	Batch ID: <b>R212230</b>	TestNo: <b>SW9020</b>				Analysis Date: <b>7/10/2025</b>			SeqNo: <b>5671490</b>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Halides	0.174	0.100	0.2000	0	87.0	80	120				

**Qualifiers:**

H	Holding times for preparation or analysis exceeded
ND	Not Detected
U	Samples with CalcVal < MDL

J	Analyte detected below quantitation limits
PL	Permit Limit
W	Sample container temperature is out of limit as specified at testcode

M	Manual Integration used to determine area response
RL	Reporting Detection Limit



284 Sheffield Street, Mountainside, NJ 07092  
(908) 789-8900 Fax (908) 789-8922  
WWW.CHEMTECH.NET

2506035

# CHAIN OF CUSTODY RECORD

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION	CLIENT BILLING INFORMATION
COMPANY : Alliance Technical Group - Akron	ORDER ID : Q2379	BILL TO: CHEMTECH PO# : q2379
ADDRESS : 3310 Win Street	PROJECT ID: Halogens	ADDRESS : 284, Sheffield Street
CITY: Cuyahoga Fal State : OH ZIP : 44223	PROJECT MANAGER YAZMEEN	CITY: Mountainside State : NJ ZIP : 07092
E-mail : jennifer.woolf@alliancetg.com	E-mail : yazmeen.gomez@alliancetg.com	ATTENTION : YAZMEE
PHONE : 330-253-8211	PHONE : (908) 789 8900 FAX: (908) 789 8922	PHONE : (908) 789 8900 FAX : (908) 789 8922

EDD : EXCEL NOCLEAN	Report : Level 1	Comment : GRAB SAMPLE. STATE- NY.
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ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION		# OF BOTTLES	TAT DAYS
						DATE	TIME		
01	FRAC-TANK	Water	TOX	Conc H2SO4 to pH < 2	9020	06/18/2025	06:30:00	1	10

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGES POSSESSION INCLUDING COURIER DELIVERY									
RELINQUISHED BY SAMPLER:	DATETIME:	RECEIVED BY:	Conditions of bottles or Coolers at receipt:				<input type="checkbox"/> Compliant	<input type="checkbox"/> Non Compliant	Cooler Temp _____
1.		1. <i>[Signature]</i>	6/20/25						Ice or Cooler? _____
RELINQUISHED BY:	DATETIME:	RECEIVED BY:							
2.		2. <i>[Signature]</i>	1030 3.9-0.1 = 3.8						
RELINQUISHED BY:	DATETIME:	RECEIVED BY:	Page 9 of 10				<input type="checkbox"/> OVERNIGHT	Shipment Complete:	
3.		3.	Page 1 of 1				<input type="checkbox"/> OVERNIGHT	<input type="checkbox"/> YES <input type="checkbox"/> NO	

## Sample Log-In Check List

Client Name: **CHE-NJ-07972**

Work Order Number: **25061735**

RcptNo: **1**

Logged by: **Spencer M. Hartwell** 6/20/2025 10:30:00 AM

*Spencer M. Hartwell*

Completed By: **Tegan A. Richards** 6/21/2025 4:03:27 PM

*Tegan Richards*

Reviewed By: **Holly Florea** 6/23/2025 9:50:25 AM

*Holly Florea*

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐

2. How was the sample delivered?

FedEx

Tracking No.: 882130816330

### Log In

3. Coolers are present? Yes ☒ No ☐ NA ☐

4. Shipping container/cooler in good condition?

Yes ☒ No ☐

Custody seals intact on shipping container/cooler?

Yes ☐ No ☐ Not Present ☒

No.

Seal Date:

Signed By:

5. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐

6. Were all samples received at a temperature of >0° C to 6.0° C Yes ☒ No ☐ NA ☐

7. Sample(s) in proper container(s)? Yes ☒ No ☐

8. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐

9. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐

10. Was preservative added to bottles? Yes ☐ No ☒ NA ☐

11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☐ No ☐ No VOA Vials ☒

12. Were any sample containers received broken? Yes ☐ No ☒

13. Does paperwork match bottle labels? Yes ☒ No ☐

(Note discrepancies on chain of custody)

14. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐

15. Is it clear what analyses were requested? Yes ☒ No ☐

16. Were all holding times able to be met? Yes ☒ No ☐

(If no, notify customer for authorization.)

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

18. Additional remarks:

Headspace

### Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good	Not Present			