

DATA PACKAGE

SUB - DATA

PROJECT NAME : HALOGENS

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue

Rochester, NY - 14608

Phone No: (585) 647-2530

ORDER ID : Q2453

ATTENTION : Quintin McCooey



Cover Page

Order ID : Q2453

Project ID : Halogens

Client : Paradigm Environmental Services, Inc.

Lab Sample Number

Q2453-01

Client Sample Number

JAM-INDUSTRIES

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 3:07 pm, Jul 15, 2025

Date: 7/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



*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 15, 2025

Yazmeen Gomez
ATG - NEWARK LAB
284 Sheffield Street
Mountainside, NJ 07092
TEL:
FAX:
RE: Q2453

Order No.: 25070058

Dear Yazmeen Gomez:

Alliance Technical Group - Akron received 1 sample(s) on 6/27/2025 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 M. Woolf". The signature is fluid and cursive, with the first name "Jennifer" and last name "Woolf" clearly distinguishable.

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#: 25070058
Date: 7/15/2025

CLIENT: ATG - NEWARK LAB

Project: Q2453

WorkOrder Narrative:

25070058: 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.

WorkOrder Comments:

Samples were received outside of temperature compliance (0-6°C).

Analytical Sequence Sample Notes:

25070058-001A TOX_NPW(9020): Analyst diluted sample due to matrix interference

25070058-001A TOX_NPW(9020): Sample was received not meeting proper temperature requirements.

Original

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

Qualifiers

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

Acronyms

ND	Not Detected	RL	Reporting Limit
QC	Quality Control	MDL	Method Detection Limit
MB	Method Blank	LOD	Level of Detection
LCS	Laboratory Control Sample	LOQ	Level of Quantitation
LCSD	Laboratory Control Sample Duplicate	PQL	Practical Quantitation Limit
QCS	Quality Control Sample	CRQL	Contract Required Quantitation Limit
DUP	Duplicate	PL	Permit Limit
MS	Matrix Spike	RegLvl	Regulatory Limit
MSD	Matrix Spike Duplicate	MCL	Maximum Contamination Limit
RPD	Relative Percent Different	MinCL	Minimum Compound Limit
ICV	Initial Calibration Verification	RA	Reanalysis
ICB	Initial Calibration Blank	RE	Reextraction
CCV	Continuing Calibration Verification	TIC	Tentatively Identified Compound
CCB	Continuing Calibration Blank	RT	Retention Time
RLC	Reporting Limit Check	CF	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#: **25070058**
15-Jul-25

CLIENT: ATG - NEWARK LAB
Project: Q2453

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
25070058-001	JAM-INDUSTRIES		6/25/2025 11:40:00 AM	6/27/2025 10:10:00 AM	Non-Potable Water



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DATES REPORT

WO#: 25070058

15-Jul-25

Client: ATG - NEWARK LAB

Project: Q2453

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
25070058-001A	JAM-INDUSTRIES	6/25/2025 11:40:00 AM	Non-Potable Water	Total Organic Halides (TOX) (9020)			7/14/2025 8:00:00 AM

Original



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WO#: 25070058
Date Reported: 7/15/2025
Company: ATG - NEWARK LAB
Address: 284 Sheffield Street
Mountainside NJ 07092
Received: 6/27/2025
Project#: Q2453

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	MDL	PQL	Run	Analyst
JAM-INDUSTRIES	001	6/25/2025	Total Organic Halides	1.03	mg/L	JW	Non-Potable Water	EPA 9020	50	0.440	5.00	7/14/2025	KMS



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Accreditation Program Analytes Report

WO#: 25070058

15-Jul-25

Client: ATG - NEWARK LAB

State: NY

Project: Q2453

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#: 25070058

15-Jul-25

Client: ATG - NEWARK LAB

Project: Q2453

BatchID: R212414

Sample ID: MB-R212414	SampType: MBLK	TestCode: TOX_NPW(90) Units: mg/L				Prep Date:				RunNo: 212414		
Client ID: BatchQC	Batch ID: R212414	TestNo: SW9020				Analysis Date: 7/14/2025				SeqNo: 5676708		
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: LCS-R212414	SampType: LCS	TestCode: TOX_NPW(90) Units: mg/L				Prep Date:				RunNo: 212414		
Client ID: BatchQC	Batch ID: R212414	TestNo: SW9020				Analysis Date: 7/14/2025				SeqNo: 5676709		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Organic Halides	0.190	0.100	0.2000	0	95.0	80	120					

Sample ID: 25070044-001AMS		SampType: MS		TestCode: TOX_NPW(90) Units: mg/L			Prep Date:			RunNo: 212414		
Client ID: BatchQC		Batch ID: R212414		TestNo: SW9020			Analysis Date: 7/14/2025			SeqNo: 5678621		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Halides		8.99	1.00	8.000	0.4420	107	80	120				

Sample ID: 25070044-001AMSD	SampType: MSD	TestCode: TOX_NPW(90) Units: mg/L				Prep Date:			RunNo: 212414		
Client ID: BatchQC	Batch ID: R212414	TestNo: SW9020				Analysis Date: 7/14/2025			SeqNo: 5678622		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Halides	9.58	1.00	8.000	0.4420	114	80	120	8.992	6.33	20	

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

Original



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QC SUMMARY REPORT

WO#: 25070058
15-Jul-25

Client: ATG - NEWARK LAB

Project: Q2453

BatchID: R212414

Sample ID: 25070044-001AMSD		SampType: MSD		TestCode: TOX_NPW(90 Units: mg/L			Prep Date:			RunNo: 212414			
Client ID: BatchQC		Batch ID: R212414		TestNo: SW9020			Analysis Date: 7/14/2025			SeqNo: 5678622			
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: MB-R212414	SampType: MBLK	TestCode: TOX_NPW(90 Units: mg/L				Prep Date:				RunNo: 212414		
Client ID: BatchQC	Batch ID: R212414	TestNo: SW9020				Analysis Date: 7/14/2025				SeqNo: 5678626		
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: MB-R212414	SampType: MBLK	TestCode: TOX_NPW(90 Units: mg/L				Prep Date:				RunNo: 212414		
Client ID: BatchQC	Batch ID: R212414	TestNo: SW9020				Analysis Date: 7/14/2025				SeqNo: 5678628		
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: 25070309-001AMS	SampType: MS	TestCode: TOX_NPW(90 Units: mg/L				Prep Date:				RunNo: 212414		
Client ID: BatchQC	Batch ID: R212414	TestNo: SW9020				Analysis Date: 7/14/2025				SeqNo: 5678632		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Organic Halides	8.58	1.00	8.000	0.1300	106	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

Original



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QC SUMMARY REPORT

WO#: 25070058

15-Jul-25

Client: ATG - NEWARK LAB

Project: Q2453

BatchID: R212414

Sample ID: 25070309-001AMSD	SampType: MSD	TestCode: TOX_NPW(90	Units: mg/L	Prep Date:	RunNo: 212414
Client ID: BatchQC	Batch ID: R212414	TestNo: SW9020	Analysis Date: 7/14/2025	SeqNo: 5678633	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Organic Halides	8.68	1.00	8.000	0.1300	107 80 120 8.584 1.07 20

Sample ID: MB-R212414	SampType: MBLK	TestCode: TOX_NPW(90	Units: mg/L	Prep Date:	RunNo: 212414
Client ID: BatchQC	Batch ID: R212414	TestNo: SW9020	Analysis Date: 7/14/2025	SeqNo: 5678640	
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: MB-R212414	SampType: MBLK	TestCode: TOX_NPW(90	Units: mg/L	Prep Date:	RunNo: 212414
Client ID: BatchQC	Batch ID: R212414	TestNo: SW9020	Analysis Date: 7/14/2025	SeqNo: 5678643	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Organic Halides	ND	0.100			U

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

Original

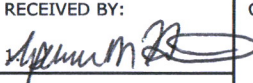
25070058

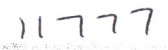
CHAIN OF CUSTODY RECORD

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION	CLIENT BILLING INFORMATION
COMPANY : Alliance Technical Group - Akron	ORDER ID : Q2453	BILL TO: CHEMTECH PO# : q2453
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 NJCLEAN	Report : Level 1	Comment :
----------------------------	-------------------------	------------------

ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION		# OF BOTTLES	TAT DAYS
						DATE	TIME		
01	JAM-INDUSTRIES	Water	TOX	Conc H2SO4 to pH < 2	9020	06/25/2025	11:40:00	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:						
1.			☐ Compliant ☐ Non Compliant Cooler Temp _____ Ice or Cooler? _____						
RELINQUISHED BY:	DATETIME:	RECEIVED BY:	6/27/25 1010 22.4-0.1 = 22.3						
2.		UPS							
RELINQUISHED BY:	DATETIME:	RECEIVED BY:	Page 11 of 13 Page 1 of 1						
3.		3.	☐ OVERNIGHT ☐ OVERNIGHT Shipment Complete: ☐ YES ☐ NO						

**INVOICE TO:**

Turnaround Time		Report Submissions	
Availability contingent upon lab approval; additional fees may apply.			
Standard 5 day	☐	None Required	☐ None Required ☐
10 day	☐	Batch QC	☐ Basic EDD ☐
Rush 3 day	☐	Category A	☐ NYSDEC EDD ☐
Rush 2 day	☐	Category B	☐
Rush 1 day	☐		
Other	☐	Other	☐ Other EDD ☐
please indicate date needed: <u>Standard</u>		please indicate package needed: _____	
		please indicate EDD needed: _____	

P.I.F.

Sample Log-In Check List

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

Work Order Number: **25070058**

RcptNo: **1**

Logged by: **Spencer M. Hartwell** **6/27/2025 10:10:00 AM**

Spencer M. Hartwell

Completed By: **Spencer M. Hartwell** **7/1/2025 2:47:43 PM**

Spencer M. Hartwell

Reviewed By: **Jennifer Woolf** **7/1/2025 6:05:28 PM**

Jennifer M. Woolf

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? UPS

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 ☒ NA ☐
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 $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☐ No ☒ NA ☐
waiting on client
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	22.3	Good	Not Present			