

DATA PACKAGE

SUB-DATA

PROJECT NAME : HALOGENS

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue

Rochester, NY - 14608

Phone No: (585) 647-2530

ORDER ID : Q2213

ATTENTION : Quintin McCooey



Cover Page

Order ID : Q2213

Project ID : Halogens

Client : Paradigm Environmental Services, Inc.

Lab Sample Number

Q2213-01

Client Sample Number

20TH-LOAD-TESTING

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 2:31 pm, Jun 16, 2025

Date: 6/16/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



*Alliance Technical Group - Akron
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Website: <http://www.settek.com>*

June 05, 2025

PM
ATG - NEWARK LAB
284 Sheffield Street
Mountainside, NJ 07092
TEL:
FAX:
RE: Q2213

Dear PM:

Order No.: 25052125

Alliance Technical Group - Akron received 1 sample(s) on 5/28/2025 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 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#: 25052125
Date: 6/5/2025

CLIENT: ATG - NEWARK LAB

Project: Q2213

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.

Revision v1

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#: **25052125**
05-Jun-25

CLIENT: ATG - NEWARK LAB
Project: Q2213

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
25052125-001	20th-Load-Testing		5/22/2025 2:30:00 PM	5/28/2025 10:10:00 AM	Non-Potable Water



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DATES REPORT

WO#: 25052125
05-Jun-25

Client: ATG - NEWARK LAB

Project: Q2213

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	Leachate Date	Prep Date	Analysis Date
25052125-001A	20th-Load-Testing	5/22/2025 2:30:00 PM	Non-Potable Water	Total Organic Halides (TOX) (9020)			5/29/2025 8:00:00 AM

Revision v1



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WO#: 25052125
Date Reported: 6/5/2025
Company: ATG - NEWARK LAB
Address: 284 Sheffield Street
Mountainside NJ 07092
Received: 5/28/2025
Project#: Q2213

Client ID#	Lab ID#	Collected	Analyte	Result	Units	Qual	Matrix	Method	DF	MDL	PQL	Run	Analyst
20th-Load-Testing	001	5/22/2025	Total Organic Halides	0.544	mg/L	J	Non-Potable Water	EPA 9020 B R2 1994	10	0.0880	1.00	5/29/2025	KMS



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QC SUMMARY REPORT

WO#: 25052125

05-Jun-25

Client: ATG - NEWARK LAB

Project: Q2213

BatchID: R209649

Sample ID: MB-R209649	SampType: MBLK	TestCode: TOX_NPW(90) Units: mg/L				Prep Date:				RunNo: 209649		
Client ID: BatchQC	Batch ID: R209649	TestNo: SW9020				Analysis Date: 5/29/2025				SeqNo: 5606923		
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-R209649	SampType: LCS	TestCode: TOX_NPW(90) Units: mg/L				Prep Date:			RunNo: 209649		
Client ID: BatchQC	Batch ID: R209649	TestNo: SW9020				Analysis Date: 5/29/2025			SeqNo: 5606924		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Halides	0.189	0.100	0.2000	0	94.5	80	120				

Sample ID: 25051864-001AMS	SampType: MS	TestCode: TOX_NPW(90 Units: mg/L				Prep Date:			RunNo: 209649		
Client ID: BatchQC	Batch ID: R209649	TestNo: SW9020				Analysis Date: 5/29/2025			SeqNo: 5606926		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Halides	9.03	1.00	9.000	0.5700	94.0	80	120				

Sample ID: 25051864-001AMSD	SampType: MSD	TestCode: TOX_NPW(90 Units: mg/L				Prep Date:				RunNo: 209649		
Client ID: BatchQC	Batch ID: R209649	TestNo: SW9020				Analysis Date: 5/29/2025				SeqNo: 5606927		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Total Organic Halides	9.78	1.00	9.000	0.5700	102	80	120	9.032	7.99	20		

Qualifiers: H Holding times for preparation or analysis exceeded
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

ND Not Detected
U Samples with CalcVal < MDL

Revision v1



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QC SUMMARY REPORT

WO#: 25052125
05-Jun-25

Client: ATG - NEWARK LAB

Project: Q2213

BatchID: R209649

Sample ID: 25051864-001AMSD	SampType: MSD	TestCode: TOX_NPW(90	Units: mg/L	Prep Date:	RunNo: 209649
Client ID: BatchQC	Batch ID: R209649	TestNo: SW9020	Analysis Date: 5/29/2025	SeqNo: 5606927	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Sample ID: MB-R209649	SampType: MBLK	TestCode: TOX_NPW(90	Units: mg/L	Prep Date:	RunNo: 209649
Client ID: BatchQC	Batch ID: R209649	TestNo: SW9020	Analysis Date: 5/29/2025	SeqNo: 5606935	
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-R209649	SampType: MBLK	TestCode: TOX_NPW(90	Units: mg/L	Prep Date:	RunNo: 209649
Client ID: BatchQC	Batch ID: R209649	TestNo: SW9020	Analysis Date: 5/29/2025	SeqNo: 5606938	
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: 25052145-001AMS	SampType: MS	TestCode: TOX_NPW(90	Units: mg/L	Prep Date:	RunNo: 209649
Client ID: BatchQC	Batch ID: R209649	TestNo: SW9020	Analysis Date: 5/29/2025	SeqNo: 5606941	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Total Organic Halides	9.13	1.00	9.000	0.3560	97.5 80 120

Qualifiers:
H Holding times for preparation or analysis exceeded
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

ND Not Detected
U Samples with CalcVal < MDL

Revision v1



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QC SUMMARY REPORT

WO#: 25052125
05-Jun-25

Client: ATG - NEWARK LAB

Project: Q2213

BatchID: R209649

Sample ID: 25052145-001AMSD	SampType: MSD	TestCode: TOX_NPW(90) Units: mg/L				Prep Date:			RunNo: 209649		
Client ID: BatchQC	Batch ID: R209649	TestNo: SW9020				Analysis Date: 5/29/2025			SeqNo: 5606942		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Organic Halides	9.62	1.00	9.000	0.3560	103	80	120	9.128	5.21	20	

Sample ID: MB-R209649	SampType: MBLK	TestCode: TOX_NPW(90) Units: mg/L				Prep Date:			RunNo: 209649		
Client ID: BatchQC	Batch ID: R209649	TestNo: SW9020				Analysis Date: 5/29/2025			SeqNo: 5607476		
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
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

ND Not Detected
U Samples with CalcVal < MDL

Revision v1



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

25052125

CHAIN OF CUSTODY RECORD

Sub Lab INFORMATION	CLIENT PROJECT INFORMATION	CLIENT BILLING INFORMATION
COMPANY : Alliance Technical Group - Akron	ORDER ID : Q2213	BILL TO: CHEMTECH PO# : Q2213
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 : STATE - NY. GRAB SAMPLES.
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ID	CLIENT SAMPLE IDENTIFICATION	SAMPLE MATRIX	ANALYSIS	Preservative	Method	SAMPLE COLLECTION		# OF BOTTLES	TAT DAYS
						DATE	TIME		
01	20TH-LOAD-TESTING	Water	TOX	Conc H2SO4 to pH < 2	9020	05/22/2025	14:30:00	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 <u>3.6C</u> Ice or Cooler? <u>ice</u>						
1.		1.							
RELINQUISHED BY:	DATETIME:	RECEIVED BY:	<u>3.7 - 0.1 = 3.6</u>						
2.		2.							
RELINQUISHED BY:	DATETIME: <u>5/28/25</u> <u>10:10</u>	RECEIVED BY: <u>[Signature]</u> <u>G. Woolf</u>	Page 10 of 12				<input type="checkbox"/> OVERNIGHT	Shipment Complete:	
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: **25052125**

RcptNo: **1**

Logged by: **Spencer M. Hartwell** **5/28/2025 10:10:00 AM**

Spencer M. Hartwell

Completed By: **Spencer M. Hartwell** **5/28/2025 3:20:28 PM**

Spencer M. Hartwell

Reviewed By: **Jennifer Woolf** **6/5/2025 11:57:18 AM**

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 ☒
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:
sending client's coc is signed relinquished

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.6	Good	Not Present			