

ANALYTICAL RESULTS SUMMARY

GENERAL CHEMISTRY
METALS

PROJECT NAME : NEWPCP SLUDGE SCREEN 13923-GE-25

AMBRIC TECHNOLOGY CORPORATION

100 Pine Street

Colwyn, PA - 19023

Phone No: 215-928-8930

ORDER ID : Q3068

ATTENTION : Dan Mulvihill



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3068

Project ID : NEWPCP Sludge Screen 13923-GE-25

Client : Ambric Technology Corporation

Lab Sample Number

Q3068-01

Client Sample Number

AMBRIC-TECH-9-9

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 9:39 am, Sep 23, 2025

Date: 9/18/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Ambric Technology Corporation

Project Name: NEWPCP Sludge Screen 13923-GE-25

Project # N/A

Order ID # Q3068

Test Name: Metals Group4

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 09/10/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Metals Group4. This data package contains results for Metals Group4.

C. Analytical Techniques:

The analysis of Metals Group4 was based on method 6010D and digestion based on method 3050 (soils).

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all compounds.

The Duplicate (MH-384DUP) analysis met criteria for all compounds except for Calcium, Copper, Manganese and Zinc due to Sample Matrix interference.

The Matrix Spike analysis met criteria for all compounds.

The Matrix Spike Duplicate analysis met criteria for all compounds.

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

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

The Date and time of sampling was not listed in the COC.

The temperature of the samples at the time of receipt was 27.3°C.

The Fax and Hardcopy is not matching. At the time of second review lab noticed the fax data were not calculated with Percent solids, therefore the data were reprocessed with Percent solids and reported in Hardcopy. Hardcopy is reported corrected.

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Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 9:39 am, Sep 23, 2025

CASE NARRATIVE

Ambric Technology Corporation

Project Name: NEWPCP Sludge Screen 13923-GE-25

Project # N/A

Order ID # Q3068

Test Name: Anions Group2,pH,Phosphorus, Total,TOC

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 09/10/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Anions Group2,pH,Phosphorus, Total,TOC. This data package contains results for Anions Group2,pH,Phosphorus, Total,TOC.

C. Analytical Techniques:

The analysis of pH was based on method 9045D, The analysis of Anions Group2 was based on method 9056A and The analysis of TOC was based on method 9060A, The analysis of Phosphorus, Total was based on method 365.3

D. QA/ QC Samples:

The Holding Times were met for all samples except for AMBRIC-TECH-9-9 of pH as sample was receive out of holding time.

Sample AMBRIC-TECH-9-9 was diluted due to high concentrations for Phosphorus, Total.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike (AMBRIC-TECH-9-9MS) analysis met criteria for all compounds except for Chloride and Phosphorus, Total due to sample matrix interference.

The Matrix Spike Duplicate (AMBRIC-TECH-9-9MSD) analysis met criteria for all compounds except for Chloride and Phosphorus, Total due to sample matrix interference.

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

The Calibration met the requirements.

E. Additional Comments:

Lab has used least representable sample weight for the sample Q3068-01 for TOC analysis. Therefore Lab has reported the TOC result with "OR" qualifier.

The Date and time of sampling was not listed in the COC.

The temperature of the samples at the time of receipt was 27.3°C.



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 9:39 am, Sep 23, 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3068

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: 09/18/2025

Hit Summary Sheet
SW-846

SDG No.:	Q3068	Order ID:	Q3068
Client:	Ambric Technology Corporation	Project ID:	NEWPCP Sludge Screen 13923-GE-25

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : AMBRIC-TECH-9-9								
Q3068-01	AMBRIC-TECH-9-9	SOIL	Calcium	11800		11.7	105	mg/Kg
Q3068-01	AMBRIC-TECH-9-9	SOIL	Copper	34.9		0.23	1.05	mg/Kg
Q3068-01	AMBRIC-TECH-9-9	SOIL	Iron	19900		4.19	5.25	mg/Kg
Q3068-01	AMBRIC-TECH-9-9	SOIL	Magnesium	6560		12.6	105	mg/Kg
Q3068-01	AMBRIC-TECH-9-9	SOIL	Manganese	286		0.15	1.05	mg/Kg
Q3068-01	AMBRIC-TECH-9-9	SOIL	Potassium	2850		29.1	105	mg/Kg
Q3068-01	AMBRIC-TECH-9-9	SOIL	Zinc	90.8		0.24	2.10	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Ambric Technology Corporation	Date Collected:	09/09/25
Project:	NEWPCP Sludge Screen 13923-GE-25	Date Received:	09/10/25
Client Sample ID:	AMBRIC-TECH-9-9	SDG No.:	Q3068
Lab Sample ID:	Q3068-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	89

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-70-2	Calcium	11800	*	1	11.7	105	mg/Kg	09/10/25 14:10	09/10/25 16:12	6010D	SW3050
7440-50-8	Copper	34.9	*	1	0.23	1.05	mg/Kg	09/10/25 14:10	09/10/25 16:12	6010D	SW3050
7439-89-6	Iron	19900		1	4.19	5.25	mg/Kg	09/10/25 14:10	09/10/25 16:12	6010D	SW3050
7439-95-4	Magnesium	6560		1	12.6	105	mg/Kg	09/10/25 14:10	09/10/25 16:12	6010D	SW3050
7439-96-5	Manganese	286	*	1	0.15	1.05	mg/Kg	09/10/25 14:10	09/10/25 16:12	6010D	SW3050
7440-09-7	Potassium	2850		1	29.1	105	mg/Kg	09/10/25 14:10	09/10/25 16:12	6010D	SW3050
7440-66-6	Zinc	90.8	*	1	0.24	2.10	mg/Kg	09/10/25 14:10	09/10/25 16:12	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	Metals Group4			

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

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:	Q3068	OrderDate:	9/10/2025 10:27:58 AM
Client:	Ambric Technology Corporation	Project:	NEWPCP Sludge Screen 13923-GE-25
Contact:	Dan Mulvihill	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3068-01	AMBRIC-TECH-9-9	SOIL	Metals Group4	6010D	09/09/25	09/10/25	09/10/25	09/10/25



SAMPLE DATA

Report of Analysis

Client:	Ambric Technology Corporation	Date Collected:	09/09/25 00:00
Project:	NEWPCP Sludge Screen 13923-GE-25	Date Received:	09/10/25
Client Sample ID:	AMBRIC-TECH-9-9	SDG No.:	Q3068
Lab Sample ID:	Q3068-01	Matrix:	SOIL
		% Solid:	89

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Chloride	160		1	3.90	13.5	mg/Kg		09/10/25 12:34	9056A
Nitrate	2.00	U	1	2.00	11.2	mg/Kg		09/10/25 12:34	9056A
Sulfate	219		1	9.80	67.3	mg/Kg		09/10/25 12:34	9056A
pH	7.80	H	1	0	0	pH		09/11/25 08:45	9045D
Phosphorus, Total	79.5	OR	1	0.32	2.73	mg/Kg	09/11/25 10:40	09/11/25 13:22	365.3
TOC	14900	OR	1	28.9	250	mg/Kg		09/10/25 13:53	9060A

Comments: pH result reported at temperature 20.2 °C

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

Report of Analysis

Client:	Ambric Technology Corporation	Date Collected:	09/09/25 12:00
Project:	NEWPCP Sludge Screen 13923-GE-25	Date Received:	09/10/25
Client Sample ID:	AMBRIC-TECH-9-9DL	SDG No.:	Q3068
Lab Sample ID:	Q3068-01DL	Matrix:	SOIL
		% Solid:	89

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Phosphorus, Total	303	D	10	3.16	27.3	mg/Kg	09/11/25 10:40	09/11/25 13:24	365.3

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

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LAB CHRONICLE

OrderID:	Q3068	OrderDate:	9/10/2025 10:27:58 AM
Client:	Ambic Technology Corporation	Project:	NEWPCP Sludge Screen 13923-GE-25
Contact:	Dan Mulvihill	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3068-01	AMBRIC-TECH-9-9	SOIL			09/09/25 12:00			09/10/25
			pH	9045D			09/11/25 08:45	
			Phosphorus, Total	365.3		09/11/25	09/11/25 13:22	
			Anions Group2	9056A			09/10/25 12:34	
			TOC	9060A			09/10/25 13:53	
Q3068-01DL	AMBRIC-TECH-9-9DL	SOIL			09/09/25 12:00			09/10/25
			Phosphorus, Total	365.3		09/11/25	09/11/25 13:24	



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

Alliance Project Number:

Q3068

CHAIN OF CUSTODY RECORD

CLIENT INFORMATION

COMPANY: AMERIC TECHNOLOGY CORP
ADDRESS: 100 PINE STREET
CITY: COLUMBIA STATE: PA ZIP: 19023
ATTENTION: DANIEL MULVHILL
PHONE: 215-360-6246 FAX: 215-928-8980

PROJECT INFORMATION

PROJECT NAME: J.F. Huebner LOCATION: _____
PROJECT #: _____
PROJECT MANAGER: DANIEL MULVHILL
E-MAIL: daniel@americtech.com
PHONE: _____ FAX: _____

COC Number:

BILLING INFORMATION

BILL TO: AMERIC TECHNOLOGY CORP
ADDRESS: 100 PINE STREET
CITY: COLUMBIA STATE: PA ZIP: 19023
ATTENTION: MICHAEL PHONE: 215-928-8980

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX: _____ DAYS*
HARD COPY: _____ DAYS*
EDD _____ DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

☒ RESULTS ONLY
☒ RESULTS + QC
☐ New Jersey REDUCED
☐ New Jersey CLP
☐ EDD Format
☐ USEPA CLP
☐ New York State ASP "B"
☐ New York State ASP "A"

ANALYSIS								
1	2	3	4	5	6	7	8	9

COMMENTS

Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	PRESERVATIVES								
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9
1.																
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	DATE/TIME	RECEIVED BY	DATE/TIME	RECEIVED BY	COMMENTS
1.	9/10/25	1.			Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>27.3</u> MeOH extraction requires an additional 4oz. jar for percent solid ☐ Ice in Cooler? <u>no</u>
2.		2.			
3.		3.			

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ 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