

ANALYTICAL RESULTS SUMMARY

GENERAL CHEMISTRY

PROJECT NAME : NEWPCP SLUDGE SCREEN 13923-GE-25

AMBRIC TECHNOLOGY CORPORATION

100 Pine Street

Colwyn, PA - 19023

Phone No: 215-928-8930

ORDER ID : Q2843

ATTENTION : Dan Mulvihill



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q2843

Project ID : NEWPCP Sludge Screen 13923-GE-25

Client : Ambric Technology Corporation

Lab Sample Number

Q2843-01
Q2843-02
Q2843-03
Q2843-04

Client Sample Number

NEWPCP-SS-1 14-16
NEWPCP-SS-2 8-10
NEWPCP-SS-2 6-8
NEWPCP-SS-5 12-14

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 : _____

Date: 8/21/2025

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 # Q2843

Test Name: Corrosivity, Ignitability, Reactive Cyanide, Reactive Sulfide

A. Number of Samples and Date of Receipt:

4 Solid samples were received on 08/13/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Reactive Cyanide, Reactive Sulfide. This data package contains results for Corrosivity, Ignitability, Reactive Cyanide, Reactive Sulfide.

C. Analytical Techniques:

The analysis of Ignitability was based on method 1030, The analysis of Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034 and The analysis of Corrosivity was based on method 9045D.

D. QA/ QC Samples:

The Holding Times were met for all samples except for NEWPCP-SS-1 14-16 of Corrosivity, for NEWPCP-SS-2 6-8 of Corrosivity, for NEWPCP-SS-2 8-10 of Corrosivity and for NEWPCP-SS-5 12-14 of Corrosivity as samples were received out of holding time.

The Duplicate analysis met criteria for all compounds.

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

The Calibration met the 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 26.2°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.

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 #: Q2843

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: 08/21/2025



SAMPLE DATA

Report of Analysis

Client:	Ambric Technology Corporation	Date Collected:	08/12/25 14:00
Project:	NEWPCP Sludge Screen 13923-GE-25	Date Received:	08/13/25
Client Sample ID:	NEWPCP-SS-1 14-16	SDG No.:	Q2843
Lab Sample ID:	Q2843-01	Matrix:	SOIL
		% Solid:	89.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.00	H	1	0	0	pH		08/14/25 08:44	9045D
Ignitability	NO		1	0	0	oC		08/14/25 12:00	1030
Reactive Cyanide	0.0083	U	1	0.0083	0.050	mg/Kg	08/15/25 08:35	08/15/25 12:52	9012B
Reactive Sulfide	3.19	J	1	0.20	10.0	mg/Kg	08/15/25 12:40	08/15/25 15:16	9034

Comments: pH result reported at temperature 24.3 °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:	08/12/25 14:00
Project:	NEWPCP Sludge Screen 13923-GE-25	Date Received:	08/13/25
Client Sample ID:	NEWPCP-SS-2 8-10	SDG No.:	Q2843
Lab Sample ID:	Q2843-02	Matrix:	SOIL
		% Solid:	94.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.78	H	1	0	0	pH		08/14/25 08:50	9045D
Ignitability	NO		1	0	0	oC		08/14/25 12:14	1030
Reactive Cyanide	0.0084	U	1	0.0084	0.050	mg/Kg	08/15/25 08:35	08/15/25 12:52	9012B
Reactive Sulfide	4.73	J	1	0.20	10.0	mg/Kg	08/15/25 12:40	08/15/25 15:18	9034

Comments: pH result reported at temperature 24.6 °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:	08/12/25 14:00
Project:	NEWPCP Sludge Screen 13923-GE-25	Date Received:	08/13/25
Client Sample ID:	NEWPCP-SS-2 6-8	SDG No.:	Q2843
Lab Sample ID:	Q2843-03	Matrix:	SOIL
		% Solid:	93.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.30	H	1	0	0	pH		08/14/25 09:00	9045D
Ignitability	NO		1	0	0	oC		08/14/25 12:22	1030
Reactive Cyanide	0.0083	U	1	0.0083	0.049	mg/Kg	08/15/25 08:35	08/15/25 12:52	9012B
Reactive Sulfide	6.36	J	1	0.20	10.0	mg/Kg	08/15/25 12:40	08/15/25 15:20	9034

Comments: pH result reported at temperature 23.7 °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:	08/12/25 14:00
Project:	NEWPCP Sludge Screen 13923-GE-25	Date Received:	08/13/25
Client Sample ID:	NEWPCP-SS-5 12-14	SDG No.:	Q2843
Lab Sample ID:	Q2843-04	Matrix:	SOIL
		% Solid:	95.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.53	H	1	0	0	pH		08/14/25 09:03	9045D
Ignitability	NO		1	0	0	oC		08/14/25 12:30	1030
Reactive Cyanide	0.0083	U	1	0.0083	0.049	mg/Kg	08/15/25 08:35	08/15/25 12:52	9012B
Reactive Sulfide	6.37	J	1	0.20	10.0	mg/Kg	08/15/25 12:40	08/15/25 15:23	9034

Comments: pH result reported at temperature 24.6 °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

LAB CHRONICLE

OrderID:	Q2843	OrderDate:	8/13/2025 10:28:42 AM
Client:	Ambric Technology Corporation	Project:	NEWPCP Sludge Screen 13923-GE-25
Contact:	Dan Mulvihill	Location:	J11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2843-01	NEWPCP-SS-1 14-16	SOIL			08/12/25 14:00			08/13/25
			Corrosivity	9045D			08/14/25 08:44	
			Ignitability	1030			08/14/25 12:00	
			Reactive Cyanide	9012B		08/15/25	08/15/25 12:52	
			Reactive Sulfide	9034		08/15/25	08/15/25 15:16	
Q2843-02	NEWPCP-SS-2 8-10	SOIL			08/12/25 14:00			08/13/25
			Corrosivity	9045D			08/14/25 08:50	
			Ignitability	1030			08/14/25 12:14	
			Reactive Cyanide	9012B		08/15/25	08/15/25 12:52	
			Reactive Sulfide	9034		08/15/25	08/15/25 15:18	
Q2843-03	NEWPCP-SS-2 6-8	SOIL			08/12/25 14:00			08/13/25
			Corrosivity	9045D			08/14/25 09:00	
			Ignitability	1030			08/14/25 12:22	
			Reactive Cyanide	9012B		08/15/25	08/15/25 12:52	
			Reactive Sulfide	9034		08/15/25	08/15/25 15:20	

LAB CHRONICLE

Q2843-04	NEWPCP-SS-5 12-14	SOIL		08/12/25 14:00		08/13/25
			Corrosivity	9045D		08/14/25 09:03
			Ignitability	1030		08/14/25 12:30
			Reactive Cyanide	9012B	08/15/25	08/15/25 12:52
			Reactive Sulfide	9034	08/15/25	08/15/25 15:23



SHIPPING DOCUMENTS



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

Alliance Project Number:

Q 2843

CHAIN OF CUSTODY RECORD

COC Number:

CLIENT INFORMATION

PROJECT INFORMATION

BILLING INFORMATION

COMPANY: Ambric Technology Corporation

PROJECT NAME: NEWPCP Sludge Screens

BILL TO: Ambric Technology Corporation

PO#

ADDRESS: 100 Pine Street

PROJECT #: 13923-GE-25

LOCATION: 3899 Richmond Street

ADDRESS: 100 Pine Street

CITY: Colwyn

STATE: PA

ZIP: 19023

PROJECT MANAGER: Dan Mulvihill

CITY: Colwyn

STATE: PA

ZIP: 19023

ATTENTION: Daniel Mulvihill

E-MAIL: danm@ambrictech.com

ATTENTION: Michele Heinehman

PHONE:

215-928-8930

PHONE: 214-928-8930

FAX: 215-928-8980

PHONE: 215-928-8930

FAX: 215-928-8980

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

ANALYSIS

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

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

1 2 3 4 5 6 7 8 9

PRESERVATIVES

COMMENTS

ALLIANCE
SAMPLE
ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE

SAMPLE
COLLECTION

of Bottles

DATE TIME

1 2 3 4 5 6 7 8 9

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

1. NEWPCP SS-1 14-16

2. NEWPCP SS-2 8-10

3. NEWPCP SS-2 6-8

4. NEWPCP SS-5 12-14

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

1. Dan Mulvihill

8/12 2:00

1. _____

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 26.2°C
MeOH extraction requires an additional 4oz. Jar for percent solid

☐ Cooler Temp 26.2°C

☐ Ice in Cooler?: NO

Comments:

IR-Gun #1

RELINQUISHED BY

DATE/TIME

RECEIVED BY

2. _____

8/13/25

2. _____

RELINQUISHED BY

DATE/TIME

RECEIVED FOR LAB BY

3. _____

Page _____ of _____

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

Shipment Complete
☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY

Test for all RCRA Characteristics

- Corrosivity
- Ignitability

- Reactive Cyanide
- Reactive Sulfide

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488