

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	



SAMPLE DATA

A

B

C

D

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
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

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Ambric Technology Corporation

SDG No.: Q3068

Project: NEWPCP Sludge Screen 13923-GE-25

RunNo.: LB137133

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10	10	100	90-110	09/09/2025
Chloride	mg/L	3	3	100	90-110	09/09/2025
Fluoride	mg/L	2	2	100	90-110	09/09/2025
Nitrite	mg/L	3	3	100	90-110	09/09/2025
Nitrate	mg/L	2.5	2.5	100	90-110	09/09/2025
Sulfate	mg/L	14.8	15	99	90-110	09/09/2025
Orthophosphate as P	mg/L	5	5	100	90-110	09/09/2025
Sample ID: CCV1						
Bromide	mg/L	10	10	100	90-110	09/10/2025
Chloride	mg/L	3	3	100	90-110	09/10/2025
Fluoride	mg/L	2	2	100	90-110	09/10/2025
Nitrite	mg/L	3	3	100	90-110	09/10/2025
Nitrate	mg/L	2.4	2.5	96	90-110	09/10/2025
Sulfate	mg/L	14.9	15	99	90-110	09/10/2025
Orthophosphate as P	mg/L	5	5	100	90-110	09/10/2025
Sample ID: CCV2						
Bromide	mg/L	10	10	100	90-110	09/10/2025
Chloride	mg/L	3	3	100	90-110	09/10/2025
Fluoride	mg/L	2	2	100	90-110	09/10/2025
Nitrite	mg/L	3	3	100	90-110	09/10/2025
Nitrate	mg/L	2.4	2.5	96	90-110	09/10/2025
Sulfate	mg/L	14.8	15	99	90-110	09/10/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	09/10/2025

Initial and Continuing Calibration Verification

Client: Ambric Technology Corporation

SDG No.: Q3068

Project: NEWPCP Sludge Screen 13923-GE-25

RunNo.: LB137140

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 TOC	mg/L	968	1000	97	90-110	07/22/2025
Sample ID: CCV1 TOC	mg/L	1050	1000	105	90-110	09/10/2025
Sample ID: CCV2 TOC	mg/L	1080	1000	108	90-110	09/10/2025

Initial and Continuing Calibration Verification

Client: Ambric Technology Corporation

SDG No.: Q3068

Project: NEWPCP Sludge Screen 13923-GE-25

RunNo.: LB137148

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV pH	pH	7.02	7	100	90-110	09/11/2025
Sample ID: CCV1 pH	pH	2.01	2.00	101	90-110	09/11/2025
Sample ID: CCV2 pH	pH	12.02	12.00	100	90-110	09/11/2025

Initial and Continuing Calibration Verification

Client: Ambric Technology Corporation

SDG No.: Q3068

Project: NEWPCP Sludge Screen 13923-GE-25

RunNo.: LB137156

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Phosphorus, Total	mg/L	0.497	0.50	99	90-110	09/11/2025
Sample ID: CCV1 Phosphorus, Total	mg/L	0.491	0.50	98	90-110	09/11/2025
Sample ID: CCV2 Phosphorus, Total	mg/L	0.501	0.50	100	90-110	09/11/2025
Sample ID: CCV3 Phosphorus, Total	mg/L	0.494	0.50	99	90-110	09/11/2025

Initial and Continuing Calibration Blank Summary

Client: Ambric Technology Corporation

SDG No.: Q3068

Project: NEWPCP Sludge Screen 13923-GE-25

RunNo.: LB137133

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/09/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/09/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/09/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/09/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/09/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/09/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/09/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/10/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/10/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/10/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/10/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/10/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/10/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/10/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/10/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/10/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/10/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/10/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/10/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/10/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/10/2025

Initial and Continuing Calibration Blank Summary

Client: Ambric Technology Corporation

SDG No.: Q3068

Project: NEWPCP Sludge Screen 13923-GE-25

RunNo.: LB137140

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	07/22/2025
Sample ID: CCB1 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	09/10/2025
Sample ID: CCB2 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	09/10/2025

Initial and Continuing Calibration Blank Summary

Client: Ambric Technology Corporation

SDG No.: Q3068

Project: NEWPCP Sludge Screen 13923-GE-25

RunNo.: LB137156

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Phosphorus, Total	mg/L	0.008	0.0250	J	0.0045	0.05	09/11/2025
Sample ID: CCB1 Phosphorus, Total	mg/L	0.007	0.0250	J	0.0045	0.05	09/11/2025
Sample ID: CCB2 Phosphorus, Total	mg/L	0.005	0.0250	J	0.0045	0.05	09/11/2025
Sample ID: CCB3 Phosphorus, Total	mg/L	0.008	0.0250	J	0.0045	0.05	09/11/2025

Preparation Blank Summary

Client: Ambric Technology Corporation

SDG No.: Q3068

Project: NEWPCP Sludge Screen 13923-GE-25

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137133BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	7	40	09/10/2025
Chloride	mg/Kg	< 6.0000	6.0000	U	3.5	12	09/10/2025
Fluoride	mg/Kg	< 4.0000	4.0000	U	1.8	8	09/10/2025
Nitrite	mg/Kg	< 6.0000	6.0000	U	1.5	12	09/10/2025
Nitrate	mg/Kg	< 5.0000	5.0000	U	1.8	10	09/10/2025
Sulfate	mg/Kg	< 30.0000	30.0000	U	8.8	60	09/10/2025
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	6.7	20	09/10/2025
Sample ID: LB137140BLS							
TOC	mg/Kg	< 125.0000	125.0000	U	28.9	250	09/10/2025
Sample ID: PB169664BL							
Phosphorus, Total	mg/Kg	0.5	1.2500	J	0.29	2.5	09/11/2025

Matrix Spike Summary

Client:	Ambric Technology Corporation	SDG No.:	Q3068
Project:	NEWPCP Sludge Screen 13923-GE-25	Sample ID:	Q3068-01
Client ID:	AMBRIC-TECH-9-9MS	Percent Solids for Spike Sample:	89

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/Kg	80-120	226		7.90	U	220	1	103		09/10/2025
TOC	mg/Kg	75-125	16000	OR	14900	OR	1000	1	110		09/10/2025
Phosphorus, Total	mg/Kg	90-110	326	D	303	D	26.5	10	87	*	09/11/2025
Chloride	mg/Kg	80-120	251	OR	160		67	1	136	*	09/10/2025
Fluoride	mg/Kg	80-120	45.7		3.60	J	44.7	1	94		09/10/2025
Nitrite	mg/Kg	80-120	66.7		1.70	U	67	1	100		09/10/2025
Nitrate	mg/Kg	80-120	54.9		2.00	U	55.8	1	98		09/10/2025
Sulfate	mg/Kg	80-120	572		219		340	1	104		09/10/2025
Orthophosphate as P	mg/Kg	80-120	94.4		7.50	U	110	1	86		09/10/2025

Matrix Spike Summary

Client:	Ambric Technology Corporation	SDG No.:	Q3068
Project:	NEWPCP Sludge Screen 13923-GE-25	Sample ID:	Q3068-01
Client ID:	AMBRIC-TECH-9-9MSD	Percent Solids for Spike Sample:	89

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/Kg	80-120	227		7.90	U	220	1	103		09/10/2025
TOC	mg/Kg	75-125	16100	OR	14900	OR	1000	1	120		09/10/2025
Phosphorus, Total	mg/Kg	90-110	325	D	303	D	26.5	10	83	*	09/11/2025
Chloride	mg/Kg	80-120	252	OR	160		67.3	1	137	*	09/10/2025
Fluoride	mg/Kg	80-120	46.7		3.60	J	44.9	1	96		09/10/2025
Nitrite	mg/Kg	80-120	67.3		1.70	U	67.3	1	100		09/10/2025
Nitrate	mg/Kg	80-120	55.3		2.00	U	56.1	1	99		09/10/2025
Sulfate	mg/Kg	80-120	577		219		340	1	105		09/10/2025
Orthophosphate as P	mg/Kg	80-120	108		7.50	U	110	1	98		09/10/2025

Duplicate Sample Summary

Client:	Ambric Technology Corporation	SDG No.:	Q3068
Project:	NEWPCP Sludge Screen 13923-GE-25	Sample ID:	Q3068-01
Client ID:	AMBRIC-TECH-9-9DUP	Percent Solids for Spike Sample:	89

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
pH	pH	+/-20	7.80		7.82		1	0.26		09/11/2025

Duplicate Sample Summary

Client:	Ambric Technology Corporation	SDG No.:	Q3068
Project:	NEWPCP Sludge Screen 13923-GE-25	Sample ID:	Q3068-01DL
Client ID:	AMBRIC-TECH-9-9DUP	Percent Solids for Spike Sample:	89

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Phosphorus, Total	mg/Kg	+/-20	303	D	297	D	10	2		09/11/2025

Duplicate Sample Summary

Client:	Ambric Technology Corporation	SDG No.:	Q3068
Project:	NEWPCP Sludge Screen 13923-GE-25	Sample ID:	Q3068-01
Client ID:	AMBRIC-TECH-9-9MSD	Percent Solids for Spike Sample:	89

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Bromide	mg/Kg	+/-15	226		227		1	0		09/10/2025
Chloride	mg/Kg	+/-15	251	OR	252	OR	1	0		09/10/2025
Nitrate	mg/Kg	+/-15	54.9		55.3		1	1		09/10/2025
Nitrite	mg/Kg	+/-15	66.7		67.3		1	1		09/10/2025
Sulfate	mg/Kg	+/-15	572		577		1	1		09/10/2025
Orthophosphate as P	mg/Kg	+/-15	94.4		108		1	13		09/10/2025
Fluoride	mg/Kg	+/-15	45.7		46.7		1	2		09/10/2025
TOC	mg/Kg	+/-20	16000	OR	16100	OR	1	1		09/10/2025
Phosphorus, Total	mg/Kg	+/-20	326	D	325	D	10	0.31		09/11/2025

Laboratory Control Sample Summary

Client:	Ambric Technology Corporation	SDG No.:	Q3068
Project:	NEWPCP Sludge Screen 13923-GE-25	Run No.:	LB137133

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137133BSS							
Bromide	mg/Kg	200	200		100	1	90-110	09/10/2025
Chloride	mg/Kg	60	59.0		98	1	90-110	09/10/2025
Fluoride	mg/Kg	40	40.3		101	1	90-110	09/10/2025
Nitrite	mg/Kg	60	59.3		99	1	90-110	09/10/2025
Nitrate	mg/Kg	50	48.5		97	1	90-110	09/10/2025
Sulfate	mg/Kg	300	297		99	1	90-110	09/10/2025
Orthophosphate as P	mg/Kg	100	100		100	1	90-110	09/10/2025

Laboratory Control Sample Summary

Client: Ambric Technology Corporation

SDG No.: Q3068

Project: NEWPCP Sludge Screen 13923-GE-25

Run No.: LB137140

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137140BSS							
TOC	mg/Kg	1000	1040		104	1	90-110	09/10/2025

Laboratory Control Sample Summary

Client: Ambric Technology Corporation

SDG No.: Q3068

Project: NEWPCP Sludge Screen 13923-GE-25

Run No.: LB137156

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169664BS							
Phosphorus, Total	mg/Kg	25.0	25.0		100	1	90-110	09/11/2025