

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



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

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



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Ambric Technology Corporation

SDG No.: Q3068

Contract: AMBR01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Calcium	19000	20000	95	90 - 110	P	09/10/2025	11:31	LB137144
	Copper	982	1000	98	90 - 110	P	09/10/2025	11:31	LB137144
	Iron	3870	4000	97	90 - 110	P	09/10/2025	11:31	LB137144
	Magnesium	19000	20000	95	90 - 110	P	09/10/2025	11:31	LB137144
	Manganese	1900	2000	95	90 - 110	P	09/10/2025	11:31	LB137144
	Potassium	18900	20000	95	90 - 110	P	09/10/2025	11:31	LB137144
	Zinc	1940	2000	97	90 - 110	P	09/10/2025	11:31	LB137144

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Ambric Technology Corporation

SDG No.: Q3068

Contract: AMBR01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Calcium	2070	2000	104	80 - 120	P	09/10/2025	11:39	LB137144
	Copper	21.3	20.0	106	80 - 120	P	09/10/2025	11:39	LB137144
	Iron	109	100	109	80 - 120	P	09/10/2025	11:39	LB137144
	Magnesium	2120	2000	106	80 - 120	P	09/10/2025	11:39	LB137144
	Manganese	21.4	20.0	107	80 - 120	P	09/10/2025	11:39	LB137144
	Potassium	1890	2000	94	80 - 120	P	09/10/2025	11:39	LB137144
	Zinc	42.4	40.0	106	80 - 120	P	09/10/2025	11:39	LB137144

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Ambric Technology Corporation

SDG No.: Q3068

Contract: AMBR01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Calcium	24700	25000	99	90 - 110	P	09/10/2025	12:09	LB137144
	Copper	1240	1250	99	90 - 110	P	09/10/2025	12:09	LB137144
	Iron	4940	5000	99	90 - 110	P	09/10/2025	12:09	LB137144
	Magnesium	24700	25000	99	90 - 110	P	09/10/2025	12:09	LB137144
	Manganese	2460	2500	99	90 - 110	P	09/10/2025	12:09	LB137144
	Potassium	24600	25000	98	90 - 110	P	09/10/2025	12:09	LB137144
	Zinc	2510	2500	100	90 - 110	P	09/10/2025	12:09	LB137144
CCV02	Calcium	24300	25000	97	90 - 110	P	09/10/2025	13:14	LB137144
	Copper	1220	1250	98	90 - 110	P	09/10/2025	13:14	LB137144
	Iron	4930	5000	99	90 - 110	P	09/10/2025	13:14	LB137144
	Magnesium	24100	25000	96	90 - 110	P	09/10/2025	13:14	LB137144
	Manganese	2430	2500	97	90 - 110	P	09/10/2025	13:14	LB137144
	Potassium	24400	25000	98	90 - 110	P	09/10/2025	13:14	LB137144
	Zinc	2410	2500	96	90 - 110	P	09/10/2025	13:14	LB137144
CCV03	Calcium	23600	25000	94	90 - 110	P	09/10/2025	14:04	LB137144
	Copper	1200	1250	96	90 - 110	P	09/10/2025	14:04	LB137144
	Iron	4880	5000	98	90 - 110	P	09/10/2025	14:04	LB137144
	Magnesium	23500	25000	94	90 - 110	P	09/10/2025	14:04	LB137144
	Manganese	2340	2500	94	90 - 110	P	09/10/2025	14:04	LB137144
	Potassium	26700	25000	107	90 - 110	P	09/10/2025	14:04	LB137144
	Zinc	2420	2500	97	90 - 110	P	09/10/2025	14:04	LB137144
CCV04	Calcium	24200	25000	97	90 - 110	P	09/10/2025	15:27	LB137144
	Copper	1200	1250	96	90 - 110	P	09/10/2025	15:27	LB137144
	Iron	4810	5000	96	90 - 110	P	09/10/2025	15:27	LB137144
	Magnesium	24300	25000	97	90 - 110	P	09/10/2025	15:27	LB137144
	Manganese	2400	2500	96	90 - 110	P	09/10/2025	15:27	LB137144
	Potassium	24200	25000	97	90 - 110	P	09/10/2025	15:27	LB137144
	Zinc	2480	2500	99	90 - 110	P	09/10/2025	15:27	LB137144
CCV05	Calcium	24100	25000	96	90 - 110	P	09/10/2025	16:16	LB137144
	Copper	1210	1250	97	90 - 110	P	09/10/2025	16:16	LB137144
	Iron	4870	5000	97	90 - 110	P	09/10/2025	16:16	LB137144
	Magnesium	24300	25000	97	90 - 110	P	09/10/2025	16:16	LB137144
	Manganese	2380	2500	95	90 - 110	P	09/10/2025	16:16	LB137144
	Potassium	24000	25000	96	90 - 110	P	09/10/2025	16:16	LB137144

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Ambric Technology Corporation

SDG No.: Q3068

Contract: AMBR01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Zinc	2500	2500	100	90 - 110	P	09/10/2025	16:16	LB137144
CCV06	Calcium	24400	25000	98	90 - 110	P	09/10/2025	16:43	LB137144
	Copper	1220	1250	98	90 - 110	P	09/10/2025	16:43	LB137144
	Iron	4900	5000	98	90 - 110	P	09/10/2025	16:43	LB137144
	Magnesium	24800	25000	99	90 - 110	P	09/10/2025	16:43	LB137144
	Manganese	2410	2500	97	90 - 110	P	09/10/2025	16:43	LB137144
	Potassium	24100	25000	96	90 - 110	P	09/10/2025	16:43	LB137144
	Zinc	2550	2500	102	90 - 110	P	09/10/2025	16:43	LB137144



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Metals

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CRDL STANDARD FOR AA & ICP

Client: Ambric Technology Corporation

SDG No.: Q3068

Contract: AMBR01

Lab Code: ACE

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Calcium	2080	2000	104	65 - 135	P	09/10/2025	11:48	LB137144
	Copper	21.7	20.0	108	65 - 135	P	09/10/2025	11:48	LB137144
	Iron	109	100	109	65 - 135	P	09/10/2025	11:48	LB137144
	Magnesium	2100	2000	105	65 - 135	P	09/10/2025	11:48	LB137144
	Manganese	21.5	20.0	108	65 - 135	P	09/10/2025	11:48	LB137144
	Potassium	1970	2000	99	65 - 135	P	09/10/2025	11:48	LB137144
	Zinc	43.0	40.0	108	65 - 135	P	09/10/2025	11:48	LB137144



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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

Ambric Technology Corporation

SDG No.:

Q3068

Contract:

AMBR01

Lab Code:

ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Calcium	234	+/-1000	U	2000	P	09/10/2025	11:43	LB137144
	Copper	4.60	+/-10	U	20.0	P	09/10/2025	11:43	LB137144
	Iron	23.4	+/-50	U	100	P	09/10/2025	11:43	LB137144
	Magnesium	244	+/-1000	U	2000	P	09/10/2025	11:43	LB137144
	Manganese	5.94	+/-10	U	20.0	P	09/10/2025	11:43	LB137144
	Potassium	918	+/-1000	U	2000	P	09/10/2025	11:43	LB137144
	Zinc	16.7	+/-20	U	40.0	P	09/10/2025	11:43	LB137144

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Ambric Technology Corporation

SDG No.: Q3068

Contract: AMBR01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Calcium	234	+/-1000	U	2000	P	09/10/2025	12:13	LB137144
	Copper	4.60	+/-10	U	20.0	P	09/10/2025	12:13	LB137144
	Iron	23.4	+/-50	U	100	P	09/10/2025	12:13	LB137144
	Magnesium	244	+/-1000	U	2000	P	09/10/2025	12:13	LB137144
	Manganese	5.94	+/-10	U	20.0	P	09/10/2025	12:13	LB137144
	Potassium	918	+/-1000	U	2000	P	09/10/2025	12:13	LB137144
	Zinc	16.7	+/-20	U	40.0	P	09/10/2025	12:13	LB137144
CCB02	Calcium	234	+/-1000	U	2000	P	09/10/2025	13:18	LB137144
	Copper	4.60	+/-10	U	20.0	P	09/10/2025	13:18	LB137144
	Iron	23.4	+/-50	U	100	P	09/10/2025	13:18	LB137144
	Magnesium	244	+/-1000	U	2000	P	09/10/2025	13:18	LB137144
	Manganese	5.94	+/-10	U	20.0	P	09/10/2025	13:18	LB137144
	Potassium	918	+/-1000	U	2000	P	09/10/2025	13:18	LB137144
	Zinc	16.7	+/-20	U	40.0	P	09/10/2025	13:18	LB137144
CCB03	Calcium	234	+/-1000	U	2000	P	09/10/2025	14:25	LB137144
	Copper	4.60	+/-10	U	20.0	P	09/10/2025	14:25	LB137144
	Iron	23.4	+/-50	U	100	P	09/10/2025	14:25	LB137144
	Magnesium	244	+/-1000	U	2000	P	09/10/2025	14:25	LB137144
	Manganese	5.94	+/-10	U	20.0	P	09/10/2025	14:25	LB137144
	Potassium	918	+/-1000	U	2000	P	09/10/2025	14:25	LB137144
	Zinc	16.7	+/-20	U	40.0	P	09/10/2025	14:25	LB137144
CCB04	Calcium	234	+/-1000	U	2000	P	09/10/2025	15:31	LB137144
	Copper	4.60	+/-10	U	20.0	P	09/10/2025	15:31	LB137144
	Iron	23.4	+/-50	U	100	P	09/10/2025	15:31	LB137144
	Magnesium	244	+/-1000	U	2000	P	09/10/2025	15:31	LB137144
	Manganese	5.94	+/-10	U	20.0	P	09/10/2025	15:31	LB137144
	Potassium	918	+/-1000	U	2000	P	09/10/2025	15:31	LB137144
	Zinc	16.7	+/-20	U	40.0	P	09/10/2025	15:31	LB137144
CCB05	Calcium	234	+/-1000	U	2000	P	09/10/2025	16:20	LB137144
	Copper	4.60	+/-10	U	20.0	P	09/10/2025	16:20	LB137144
	Iron	23.4	+/-50	U	100	P	09/10/2025	16:20	LB137144
	Magnesium	244	+/-1000	U	2000	P	09/10/2025	16:20	LB137144
	Manganese	5.94	+/-10	U	20.0	P	09/10/2025	16:20	LB137144
	Potassium	918	+/-1000	U	2000	P	09/10/2025	16:20	LB137144
	Zinc	16.7	+/-20	U	40.0	P	09/10/2025	16:20	LB137144
CCB06	Calcium	234	+/-1000	U	2000	P	09/10/2025	16:48	LB137144
	Copper	4.60	+/-10	U	20.0	P	09/10/2025	16:48	LB137144
	Iron	23.4	+/-50	U	100	P	09/10/2025	16:48	LB137144
	Magnesium	244	+/-1000	U	2000	P	09/10/2025	16:48	LB137144

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Ambric Technology Corporation

SDG No.: Q3068

Contract: AMBR01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Manganese	5.94	+/-10	U	20.0	P	09/10/2025	16:48	LB137144
	Potassium	918	+/-1000	U	2000	P	09/10/2025	16:48	LB137144
	Zinc	16.7	+/-20	U	40.0	P	09/10/2025	16:48	LB137144

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Ambric Technology Corporation

SDG No.: Q3068

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB169634BL	SOLID			Batch Number:	PB169634		Prep Date:	09/10/2025	
	Calcium	11.1	<50	U	100	P	09/10/2025	15:23	LB137144
	Copper	0.22	<0.5	U	1.00	P	09/10/2025	15:23	LB137144
	Iron	3.99	<2.5	U	5.00	P	09/10/2025	15:23	LB137144
	Magnesium	12.0	<50	U	100	P	09/10/2025	15:23	LB137144
	Manganese	0.14	<0.5	U	1.00	P	09/10/2025	15:23	LB137144
	Potassium	27.7	<50	U	100	P	09/10/2025	15:23	LB137144
	Zinc	0.23	<1	U	2.00	P	09/10/2025	15:23	LB137144

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>Ambric Technology Corporation</u>	SDG No.: <u>Q3068</u>
Contract: <u>AMBR01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Calcium	265000	245000	108	208000	282000	09/10/2025	11:52	LB137144
	Copper	2.32	2.0	116	-18	22	09/10/2025	11:52	LB137144
	Iron	111000	101000	110	85600	116500	09/10/2025	11:52	LB137144
	Magnesium	281000	255000	110	216000	294000	09/10/2025	11:52	LB137144
	Manganese	10.8	7.0	155	-13	27	09/10/2025	11:52	LB137144
	Potassium	200			0	0	09/10/2025	11:52	LB137144
	Zinc	4.41			-40	40	09/10/2025	11:52	LB137144
ICSAB01	Calcium	236000	235000	100	199000	271000	09/10/2025	11:56	LB137144
	Copper	471	511	92	434	588	09/10/2025	11:56	LB137144
	Iron	97500	99300	98	84400	114500	09/10/2025	11:56	LB137144
	Magnesium	251000	248000	101	210000	286000	09/10/2025	11:56	LB137144
	Manganese	486	507	96	430	584	09/10/2025	11:56	LB137144
	Potassium	-95.0			0	0	09/10/2025	11:56	LB137144
	Zinc	1030	952	108	809	1095	09/10/2025	11:56	LB137144



METAL QC DATA

metals
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MATRIX SPIKE SUMMARY

client: <u>Ambric Technology Corporation</u>	level: <u>low</u>	sdg no.: <u>Q3068</u>
contract: <u>AMBR01</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3054-05</u>	client id: <u>MH-384MS</u>

Percent Solids for Sample: 89.5	Spiked ID: Q3054-05MS	Percent Solids for Spike Sample: 89.5
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Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Calcium	mg/Kg	75 - 125	1450		1210		50.1	495		P
Copper	mg/Kg	75 - 125	19.6		6.77		15.0	85		P
Iron	mg/Kg	75 - 125	11800		10600		150	805		P
Magnesium	mg/Kg	75 - 125	1350		1170		100	183		P
Manganese	mg/Kg	75 - 125	332		320		10.0	117		P
Potassium	mg/Kg	75 - 125	933		412		500	104		P
Zinc	mg/Kg	75 - 125	25.1		13.9		10.0	112		P

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Ambric Technology Corporation</u>	level: <u>low</u>	sdg no.: <u>Q3068</u>
contract: <u>AMBR01</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3054-05</u>	client id: <u>MH-384MSD</u>

Percent Solids for Sample: 89.5	Spiked ID: Q3054-05MSD	Percent Solids for Spike Sample: 89.5
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Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Calcium	mg/Kg	75 - 125	1580		1210		51.3	736		P
Copper	mg/Kg	75 - 125	19.6		6.77		15.4	83		P
Iron	mg/Kg	75 - 125	10900		10600		150	230		P
Magnesium	mg/Kg	75 - 125	1260		1170		100	88		P
Manganese	mg/Kg	75 - 125	330		320		10.3	92		P
Potassium	mg/Kg	75 - 125	946		412		510	105		P
Zinc	mg/Kg	75 - 125	23.8		13.9		10.3	97		P

Metals
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Client: Ambric Technology Corporation

SDG No.: Q3068

Contract: AMBR01

Lab Code: ACE

Matrix: _____

Level: LOW

Client ID: _____

Sample ID: _____ **Spiked ID:** _____

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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A
B
C
D
E
F
G
H

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Ambric Technology Corporation</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3068</u>
Contract:	<u>AMBR01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q3054-05</u>	Client ID:	<u>MH-384DUP</u>
Percent Solids for Sample:	89.5	Duplicate ID	Q3054-05DUP	Percent Solids for Spike Sample:	89.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Calcium	mg/Kg	20	1210		2060		52	*	P
Copper	mg/Kg	20	6.77		8.58		24	*	P
Iron	mg/Kg	20	10600		12600		17		P
Magnesium	mg/Kg	20	1170		1300		11		P
Manganese	mg/Kg	20	320		451		34	*	P
Potassium	mg/Kg	20	412		496		19		P
Zinc	mg/Kg	20	13.9		18.7		29	*	P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Ambric Technology Corporation</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3068</u>
Contract:	<u>AMBR01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q3054-05MS</u>	Client ID:	<u>MH-384MSD</u>
Percent Solids for Sample:	89.5	Duplicate ID	Q3054-05MSD	Percent Solids for Spike Sample:	89.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Calcium	mg/Kg	20	1450		1580		9		P
Copper	mg/Kg	20	19.6		19.6		0		P
Iron	mg/Kg	20	11800		10900		8		P
Magnesium	mg/Kg	20	1350		1260		7		P
Manganese	mg/Kg	20	332		330		1		P
Potassium	mg/Kg	20	933		946		1		P
Zinc	mg/Kg	20	25.1		23.8		5		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Ambric Technology Corporation

SDG No.: Q3068

Contract: AMBR01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169634BS							
Calcium	mg/Kg	50.0	48.8	J	98	80 - 120	P
Copper	mg/Kg	15.0	14.4		96	80 - 120	P
Iron	mg/Kg	150	140		93	80 - 120	P
Magnesium	mg/Kg	100	98.0	J	98	80 - 120	P
Manganese	mg/Kg	10.0	9.68		97	80 - 120	P
Potassium	mg/Kg	500	496		99	80 - 120	P
Zinc	mg/Kg	10.0	9.95		100	80 - 120	P

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

MH-384L

Lab Name: Alliance **Contract:** AMBR01
Lab Code: ACE **Lb No.:** lb137144 **Lab Sample ID :** Q3054-05L **SDG No.:** Q3068
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence		Q	M
Calcium	1210	C	1350	C	12			P
Copper	6.77		8.08		19			P
Iron	10600		11100		5			P
Magnesium	1170		1320		13			P
Manganese	320		360		12			P
Potassium	412		495		20			P
Zinc	13.9		15.2		9			P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Ambric Technology Corporation

SDG No.: Q3068

Contract: AMBR01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Ambric Technology Corporation

SDG No.: Q3068

Contract: AMBR01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Ambric Technology Corporation

SDG No.: Q3068

Contract: AMBR01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Ambric Technology Corporation

SDG No.: Q3068

Contract: AMBR01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Ambric Technology Corporation

SDG No.: Q3068

Contract: AMBR01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: Ambric Technology Corporation

SDG No.: Q3068

Contract: AMBR01

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169634							
PB169634BL	PB169634BL	MB	SOLID	09/10/2025	2.00	100.0	100.00
PB169634BS	PB169634BS	LCS	SOLID	09/10/2025	2.00	100.0	100.00
Q3054-05DUP	MH-384DUP	DUP	SOLID	09/10/2025	2.21	100.0	89.50
Q3054-05MS	MH-384MS	MS	SOLID	09/10/2025	2.23	100.0	89.50
Q3054-05MSD	MH-384MSD	MSD	SOLID	09/10/2025	2.18	100.0	89.50
Q3068-01	AMBRIC-TECH-9-9	SAM	SOLID	09/10/2025	2.14	100.0	89.00

metals
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ANALYSIS RUN LOG

Client: Ambric Technology Corporation

Contract: AMBR01

Lab code: ACE

Sdg no.: Q3068

Instrument id number: _____

Method: _____

Run number: LB137144

Start date: 09/10/2025

End date: 09/10/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1106	Ca,Cu,Fe,K,Mg,Mn,Zn
S1	S1	1	1110	Ca,Cu,Fe,K,Mg,Mn,Zn
S2	S2	1	1114	Ca,Cu,Fe,K,Mg,Mn,Zn
S3	S3	1	1119	Ca,Cu,Fe,K,Mg,Mn,Zn
S4	S4	1	1123	Ca,Cu,Fe,K,Mg,Mn,Zn
S5	S5	1	1127	Ca,Cu,Fe,K,Mg,Mn,Zn
ICV01	ICV01	1	1131	Ca,Cu,Fe,K,Mg,Mn,Zn
LLICV01	LLICV01	1	1139	Ca,Cu,Fe,K,Mg,Mn,Zn
ICB01	ICB01	1	1143	Ca,Cu,Fe,K,Mg,Mn,Zn
CRI01	CRI01	1	1148	Ca,Cu,Fe,K,Mg,Mn,Zn
ICSA01	ICSA01	1	1152	Ca,Cu,Fe,K,Mg,Mn,Zn
ICSAB01	ICSAB01	1	1156	Ca,Cu,Fe,K,Mg,Mn,Zn
CCV01	CCV01	1	1209	Ca,Cu,Fe,K,Mg,Mn,Zn
CCB01	CCB01	1	1213	Ca,Cu,Fe,K,Mg,Mn,Zn
CCV02	CCV02	1	1314	Ca,Cu,Fe,K,Mg,Mn,Zn
CCB02	CCB02	1	1318	Ca,Cu,Fe,K,Mg,Mn,Zn
CCV03	CCV03	1	1404	Ca,Cu,Fe,K,Mg,Mn,Zn
CCB03	CCB03	1	1425	Ca,Cu,Fe,K,Mg,Mn,Zn
PB169634BS	PB169634BS	1	1517	Ca,Cu,Fe,K,Mg,Mn,Zn
PB169634BL	PB169634BL	1	1523	Ca,Cu,Fe,K,Mg,Mn,Zn
CCV04	CCV04	1	1527	Ca,Cu,Fe,K,Mg,Mn,Zn
CCB04	CCB04	1	1531	Ca,Cu,Fe,K,Mg,Mn,Zn
Q3054-05DUP	MH-384DUP	1	1551	Ca,Cu,Fe,K,Mg,Mn,Zn
Q3054-05L	MH-384L	5	1556	Ca,Cu,Fe,K,Mg,Mn,Zn
Q3054-05MS	MH-384MS	1	1600	Ca,Cu,Fe,K,Mg,Mn,Zn
Q3054-05MSD	MH-384MSD	1	1604	Ca,Cu,Fe,K,Mg,Mn,Zn
Q3068-01	AMBRIC-TECH-9-9	1	1612	Ca,Cu,Fe,K,Mg,Mn,Zn
CCV05	CCV05	1	1616	Ca,Cu,Fe,K,Mg,Mn,Zn
CCB05	CCB05	1	1620	Ca,Cu,Fe,K,Mg,Mn,Zn
CCV06	CCV06	1	1643	Ca,Cu,Fe,K,Mg,Mn,Zn
CCB06	CCB06	1	1648	Ca,Cu,Fe,K,Mg,Mn,Zn