

Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB135561
Constant: 50,000

Reviewed By: Iwona
Supervisor Review By: jignesh
Normality: 0.02
pH Meter ID: WC pH meter-1

Reagent/Standard	Lot/Log #
alkalinity LCSW 50 ppm	WP112850
SULFURIC ACID, 0.02N, 4L	W3150

Seq	LabID	ClientID	TV (mg/L)	DL	Sample Vol (mL)	Initial pH	pH(4.3- 4.7)	Final pH	0.02N H2SO4				Alkalinity	Anal Date	Anal Time
									A	B	C	D			
									Initial(ml)	ml at pH(4.3-4.7)	Final(ml)	Diff(ml)			
1	LB135561BL	LB135561BL		1	100	5.01	4.63	4.33	0.0	0.08	0.16	0.00	0.00	04/25/2025	11:45
2	LB135561BS	LB135561BS	50	1	100	9.58	4.48	4.18	0	5.23	5.85	4.61	46.10	04/25/2025	11:48
3	Q1879-01	STEM-31-SULFURI		1	100	0.51	0.51	0.51	0	0	0	0.00	0.00	04/25/2025	11:52
4	Q1879-02	STEM-32-SULFURI		1	100	0.51	0.51	0.51	0	0	0	0.00	0.00	04/25/2025	11:55
5	Q1879-03	STEM-46-SULFURI		1	100	0.51	0.51	0.51	0	0	0	0.00	0.00	04/25/2025	11:58
6	Q1879-04	ACID-MIXTURE-TF		1	100	0.51	0.51	0.51	0	0	0	0.00	0.00	04/25/2025	12:00

$$D = 2(B-A) - (C-A)$$

$$\text{Alkalinity} = (D * \text{Normality} * \text{Constant}) / \text{Sample Volume (ml)}$$

WORKLIST(Hardcopy Internal Chain)

LB135561

WorkList Name : ALKALANITY-042525

WorkList ID : 189157

Department : Wet-Chemistry

Date : 04-25-2025 10:36:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1879-01	STEM-31-SULFURIC-ACID	Water	Alkalinity	Cool 4 deg C	METE01	L41	04/23/2025	SM2320 B
Q1879-02	STEM-32-SULFURIC-ACID	Water	Alkalinity	Cool 4 deg C	METE01	L41	04/24/2025	SM2320 B
Q1879-03	STEM-46-SULFURIC-ACID	Water	Alkalinity	Cool 4 deg C	METE01	L41	04/24/2025	SM2320 B
Q1879-04	ACID-MIXTURE-TF-CONTAINM	Water	Alkalinity	Cool 4 deg C	METE01	L41	04/24/2025	SM2320 B

Date/Time 04/25/25 10:40
Raw Sample Received by: 12/507
Raw Sample Relinquished by: 726007

Date/Time 04/25/25 13:20
Raw Sample Received by: 726007
Raw Sample Relinquished by: 12/507