

Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB136848
Constant: 50,000

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

Reagent/Standard	Lot/Log #
alkalinity LCSW 50 ppm	WP114306
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	LB136848BL	LB136848BL		1	100	5.12	4.59	4.29	0	0.03	0.05	0.01	0.10	08/15/2025	08:45
2	LB136848BS	LB136848BS	50	1	100	9.48	4.62	4.32	0	5.40	6.28	4.52	45.20	08/15/2025	08:49
3	Q2869-07	EB01-081325		1	100	5.51	4.50	4.20	0.00	0.03	0.05	0.01	0.10	08/15/2025	08:52
4	Q2869-07DUP	EB01-081325DUP		1	100	5.47	4.52	4.48	0.00	0.05	0.07	0.03	0.30	08/15/2025	08:56

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

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