

Analytical Summary Report

Analysis Method: SM2320 B

Parameter: Alkalinity

Run Number: LB136111

Constant: 50,000

Reviewed By: Eman

Supervisor Review By: Iwona

Normality: 0.02

pH Meter ID: WC pH meter-1

Reagent/Standard	Lot/Log #
alkalinity LCSW 50 ppm	WP113464
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	LB136111BL	LB136111BL		1	100	5.03	4.54	4.24	0	0.08	0.16	0.00	0.00	06/10/2025	12:45
2	LB136111BS	LB136111BS	50	1	100	9.42	4.58	4.28	0.0	5.48	6.34	4.62	46.20	06/10/2025	12:50
3	Q2250-05	EB02-060525		1	100	5.24	4.65	4.35	0	0.09	0.17	0.01	0.10	06/10/2025	12:55
4	Q2250-05DUP	EB02-060525DUP		1	100	5.25	4.68	4.38	0	0.10	0.20	0.00	0.00	06/10/2025	13:00

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

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