

Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB137439
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	WP115070
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	LB137439BL	LB137439BL		1	100	5.01	4.62	4.32	0.0	0.08	0.10	0.06	0.60	10/06/2025	13:25
2	LB137439BS	LB137439BS	50	1	100	9.82	4.48	4.18	0	5.48	5.68	5.28	52.80	10/06/2025	13:28
3	Q3202-09	SY-3DD		1	100	6.08	4.56	4.26	0	0.98	0.18	1.78	17.80	10/06/2025	13:34
4	Q3202-09DUP	SY-3DDDUP		1	100	6.08	4.50	4.20	0	0.96	0.10	1.82	18.20	10/06/2025	13:37

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

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