

Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB138240
Constant: 50,000

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

Reagent/Standard	Lot/Log #
alkalinity LCSW 50 ppm	WP116138
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	LB138240BL	LB138240BL		1	100	5.22	4.56	4.26	0	0.03	0.06	0.00	0.00	12/16/2025	14:40
2	LB138240BS	LB138240BS	50	1	100	9.54	4.41	4.11	0	5.26	6.18	4.34	43.40	12/16/2025	14:44
3	Q3863-10	EB01-121225		1	100	5.60	4.49	4.19	0	0.24	0.16	0.32	3.20	12/16/2025	14:49
4	Q3863-10DUP	EB01-121225DUP		1	100	5.58	4.48	4.18	0	0.22	0.14	0.30	3.00	12/16/2025	14:54

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

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