

Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB137903
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	WP115673
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	LB137903BL	LB137903BL		1	100	5.02	4.42	4.12	0.0	0.08	0.16	0.00	0.00	11/14/2025	12:55
2	LB137903BS	LB137903BS	50	1	100	9.52	4.62	4.32	0.00	4.26	4.30	4.22	42.20	11/14/2025	13:00
3	Q3560-03	SY-10S		1	100	5.98	4.65	4.35	0	0.92	1.00	0.84	8.40	11/14/2025	13:05
4	Q3560-03DUP	SY-10SDUP		1	100	5.99	4.57	4.27	0.00	0.90	1.00	0.80	8.00	11/14/2025	13:10

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

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