

Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB135291
Constant: 50,000

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

Reagent/Standard	Lot/Log #
alkalinity LCSW 50 ppm	WP112573
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	LB135291BL	LB135291BL		1	100	5.14	4.52	4.22	0.00	0.04	0.08	0.00	0.00	04/03/2025	13:55
2	LB135291BS	LB135291BS	50	1	100	9.42	4.48	4.18	0.00	5.38	6.22	4.54	45.40	04/03/2025	13:58
3	Q1711-08	EB01-040225		1	100	5.17	4.69	4.29	0.00	0.02	0.04	0.00	0.00	04/03/2025	14:04
4	Q1711-08DUP	EB01-040225DUP		1	100	4.18	4.62	4.32	0.00	0.04	0.06	0.02	0.20	04/03/2025	14:08

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

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