

Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB130985
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	WP108248
SULFURIC ACID, 0.02N, 4L	W2988

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	LB130985BL	LB130985BL		1	100	5.01	4.63	4.33	0.0	0.08	0.16	0.00	0.00	05/30/2024	10:45
2	LB130985BS	LB130985BS	50	1	100	9.58	4.58	4.28	0.00	5.40	5.52	5.28	52.80	05/30/2024	10:55
3	P2561-01	SY-2R		1	100	5.83	4.69	4.39	0.00	1.62	1.84	1.40	14.00	05/30/2024	11:03
4	P2561-01DUP	SY-2RDUP		1	100	5.83	4.62	4.32	0.0	1.60	1.84	1.36	13.60	05/30/2024	11:10
5	P2562-01	FIELD-BLANK		1	100	5.40	4.63	4.33	0.00	0.10	0.14	0.06	0.60	05/30/2024	11:08
6	P2562-05	SY-3DD		1	100	6.57	4.64	4.34	0.0	0.82	0.94	0.70	7.00	05/30/2024	11:15

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

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