

Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB125301
Constant: 50,000

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

Reagent/Standard	Lot/Log #
alkalinity LCSW 50 ppm	WP102312
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	LB125301BL	LB125301BL		1	100	5.02	4.61	4.31	0	0.08	0.16	0.00	0.00	05/05/2023	10:05
2	LB125301BS	LB125301BS	50	1	100	9.68	4.52	4.22	0.00	5.42	5.52	5.32	53.20	05/05/2023	10:10
3	O2515-11	LEA-12S		1	100	4.95	4.56	4.26	0.00	0.28	0.42	0.14	1.40	05/05/2023	10:18
4	O2515-11DUP	LEA-12SDUP		1	100	4.96	4.55	4.25	0.00	0.26	0.40	0.12	1.20	05/05/2023	10:25
5	O2515-13	LEA-13I		1	100	6.40	4.48	4.18	0.00	1.86	1.92	1.80	18.00	05/05/2023	10:32
6	O2515-15	LEA-13S		1	100	5.64	4.40	4.10	0.00	0.96	1.16	0.76	7.60	05/05/2023	10:40
7	O2521-14	FB		1	100	5.10	4.42	4.12	0.00	0.24	0.36	0.12	1.20	05/05/2023	10:48
8	O2533-09	LEA-11S		1	100	4.66	4.53	4.23	0.00	0.30	0.52	0.08	0.80	05/05/2023	10:53
9	O2533-15	EB-01		1	100	5.66	4.54	4.24	0.00	0.26	0.48	0.04	0.40	05/05/2023	11:00

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

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