

Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB123243
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	WP100189
Sulfuric Acid, 0.02N (cs/4x4L)	W2847

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	LB123243BL	LB123243BL		1	100	5.02	4.60	4.30	0	0.08	0.16	0.00	0.00	12/09/2022	11:20
2	LB123243BS	LB123243BS	50	1	100	9.74	4.53	4.23	0.00	5.42	5.52	5.32	53.20	12/09/2022	11:28
3	N5841-05	LEA-11S		1	100	4.35	4.35	4.35	0.00	0.00	0.00	0.00	0.00	12/09/2022	11:34
4	N5841-05DUP	LEA-11SDUP		1	100	4.34	4.34	4.34	0.00	0.00	0.00	0.00	0.00	12/09/2022	11:38
5	N5841-09	LEA-12S		1	100	4.99	4.31	4.01	0.00	0.30	0.44	0.16	1.60	12/09/2022	11:45
6	N5841-15	LEA-13S		1	100	5.38	4.66	4.36	0.00	0.78	0.16	1.40	14.00	12/09/2022	11:52
7	N5865-09	LEA-5I		1	100	4.37	4.37	4.37	0.00	0.00	0.00	0.00	0.00	12/09/2022	12:00
8	N5865-11	DUP-01		1	100	4.45	4.45	4.45	0.00	0.00	0.00	0.00	0.00	12/09/2022	12:07
9	N5865-13	EB-01		1	100	5.41	4.38	4.08	0.00	0.14	0.12	0.16	1.60	12/09/2022	12:12

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

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