

Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB123870
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	WP100768
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	LB123870BL	LB123870BL		1	100	5.02	4.58	4.28	0.00	0.08	0.16	0.00	0.00	01/31/2023	10:15
2	LB123870BS	LB123870BS	50	1	100	9.73	4.52	4.22	0.00	5.40	5.50	5.30	53.00	01/31/2023	10:23
3	O1308-09	LEA-12S		1	100	4.85	4.53	4.23	0.00	0.23	0.40	0.06	0.60	01/31/2023	10:30
4	O1308-09DUP	LEA-12SDUP		1	100	4.84	4.50	4.20	0.00	0.22	0.42	0.02	0.20	01/31/2023	10:38
5	O1308-13	LEA-13S		1	100	5.14	4.65	4.35	0.00	0.74	0.94	0.54	5.40	01/31/2023	10:45
6	O1308-15	LEA-13I		1	100	5.85	4.58	4.28	0.00	1.68	1.88	1.48	14.80	01/31/2023	10:52
7	O1308-17	LEA-11S		1	100	4.01	4.01	4.01	0.00	0.00	0.00	0.00	0.00	01/31/2023	11:00
8	O1323-13	EB-01		1	100	4.99	4.54	4.24	0.00	0.10	0.18	0.02	0.20	01/31/2023	11:08

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

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