

Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB117530
Constant: 50,000

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

Reagent/Standard	Lot/Log #
alkalinity LCSW 50 ppm	WP93971
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	LB117530BL	LB117530BL		1	100	5.09	4.52	4.22	0.00	0.08	0.12	0.04	0.40	11/16/2021	15:05
2	LB117530BS	LB117530BS	50	1	100	8.65	4.56	4.26	0.00	5.32	5.42	5.22	52.20	11/16/2021	15:11
3	M4608-06	SY-3DD-20211109		1	100	6.28	4.62	4.32	0.00	0.58	0.62	0.54	5.40	11/16/2021	15:17
4	M4676-07	SY-2R-20211111		1	100	5.42	4.43	4.13	0.00	2.06	2.20	1.92	19.20	11/16/2021	15:25
5	M4676-09	SY-5-20211111		1	100	5.58	4.51	4.21	0.00	2.02	2.10	1.94	19.40	11/16/2021	15:32
6	M4676-09DUP	SY-5-20211111DU		1	100	5.59	4.55	4.25	0.00	2.04	2.12	1.96	19.60	11/16/2021	15:36

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

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