

Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB117016
Constant: 50,000

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

Reagent/Standard	Lot/Log #
alkalinity LCSW 50 ppm	WP93611
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	LB117016BL	LB117016BL		1	100	5.06	4.61	4.31	0.0	0.04	0.08	0.00	0.00	10/25/2021	15:05
2	LB117016BS	LB117016BS	50	1	100	9.86	4.56	4.26	0.00	5.44	5.52	5.36	53.60	10/25/2021	15:10
3	M4305-01	GW-2 (6-9)		1	100	5.26	4.62	4.32	0.00	0.16	0.22	0.10	1.00	10/25/2021	15:17
4	M4305-01DUP	GW-2 (6-9) DUP		1	100	5.28	4.52	4.22	0.00	0.16	0.20	0.12	1.20	10/25/2021	15:23

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

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