



Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB117549
Constant: 50,000

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

Reagent/Standard	Lot/Log #
alkalinity LCSW 50 ppm	WP94080
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	LB117549BL	LB117549BL		1	100	5.16	4.52	4.22	0.00	0.08	0.14	0.02	0.20	11/24/2021	16:10
2	LB117549BS	LB117549BS	50	1	100	9.25	4.45	4.15	0.00	5.38	5.48	5.28	52.80	11/24/2021	16:15
3	M4775-02	PK-10S-20211118		1	100	5.41	4.46	4.16	0.00	0.88	0.98	0.78	7.80	11/24/2021	16:20
4	M4775-06	PK-10D-20211118		1	100	5.68	4.53	4.23	0.00	2.06	2.18	1.94	19.40	11/24/2021	16:24
5	M4775-06DUP	PK-10D-20211118		1	100	5.68	4.61	4.31	0.00	2.08	2.18	1.98	19.80	11/24/2021	16:30

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

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