

Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB106458
Constant: 50,000

Reviewed By: AMANDEEP
Supervisor Review By: apatel
Normality: 0.02
pH Meter ID: WC PH METER-1

Reagent/Standard	Lot/Log #
Acidity-Alkalinity Stock Std(+2500PPM)	WP80066
alkalinity LCSW 50 ppm	WP80067
SULFURIC ACID, 0.02N, 4L	W2269
PH 4 BUFFER SOLUTION	W2445
buffer solution pH 7 yellow	W2447

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	LB106458BL	LB106458BL		1	100	4.47	4.47	4.17	0	0	0.04	-0.04	-0.40	11/22/2019	14:30
2	LB106458BS	LB106458BS	50	1	100	8.30	4.65	4.35	0.0	5.16	5.46	4.86	48.60	11/22/2019	14:18
3	K5965-09	S39-ER-2019-1		1	100	4.21	4.21	3.91	0	0	0.04	-0.04	-0.40	11/22/2019	14:22
4	K5965-09DUP	S39-ER-2019-1DU		1	100	4.22	4.22	3.92	0	0	0.04	-0.04	-0.40	11/22/2019	14:26

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

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