

Analytical Summary Report

Analysis Method: SM2320 B
 Parameter: Alkalinity
 Run Number: LB106030
 Constant: 50,000

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

Reagent/Standard	Lot/Log #
alkalinity LCSW 50 ppm	WP79368
SULFURIC ACID, 0.02N, 4L	W2269
buffer solution pH 7 yellow	W2447
PH 4 BUFFER SOLUTION	W2568

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	LB106030BL	LB106030BL		1	100	4.62	4.62	4.32	0.00	0.00	0.04	-0.04	-0.40	10/24/2019	14:41
2	LB106030BS	LB106030BS	50	1	100	9.79	4.56	4.26	0.04	5.38	5.82	4.90	49.00	10/24/2019	14:45
3	K5508-07	S32-ER-2019-2		1	100	5.05	4.63	4.33	5.82	5.92	5.96	0.06	0.60	10/24/2019	14:52
4	K5508-07DUP	S32-ER-2019-2DU		1	100	5.04	4.58	4.28	5.96	6.16	6.30	0.06	0.60	10/24/2019	14:57

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

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