

Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB126745
Constant: 50,000

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

Reagent/Standard	Lot/Log #
alkalinity LCSW 50 ppm	WP103585
BUFFER PH 7.00 GREEN 1PINT PK6	W2981
SULFURIC ACID, 0.02N, 4L	W2988
PH 4 BUFFER SOLUTION	W3033

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	LB126745BL	LB126745BL		1	100	5.02	4.61	4.31	0.00	0.08	0.16	0.00	0.00	08/04/2023	13:10
2	LB126745BS	LB126745BS	50	1	100	9.75	4.55	4.25	0.00	5.46	5.54	5.38	53.80	08/04/2023	13:15
3	O3750-07	LEA-11S		1	100	4.37	4.37	4.37	0.00	0.00	0.0	0.00	0.00	08/04/2023	13:20
4	O3750-07DUP	LEA-11SDUP		1	100	4.39	4.39	4.39	0.00	0.00	0.00	0.00	0.00	08/04/2023	13:25
5	O3782-15	EB-01		1	100	6.58	4.65	4.35	0.00	0.42	0.54	0.30	3.00	08/04/2023	13:30
6	O3811-15	LEA-12S		1	100	4.88	4.66	4.36	0.00	0.35	0.58	0.12	1.20	08/04/2023	13:35
7	O3856-05	LEA-13I		1	100	5.40	4.67	4.37	0.00	0.92	1.04	0.80	8.00	08/04/2023	13:40
8	O3856-07	LEA-13S		1	100	5.14	4.68	4.38	0.00	1.02	1.14	0.90	9.00	08/04/2023	13:45

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

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