



Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB110435
Constant: 50,000

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

Reagent/Standard	Lot/Log #
alkalinity LCSW 50 ppm	WP86116
PH 4 BUFFER SOLUTION	W2629
buffer solution pH 7 yellow	W2626
PH 10.01 BUFFER,COLOR CD 475ML	W2632

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	LB110435BL	LB110435BL		1	100	4.87	4.52	4.22	0.00	0.12	0.20	0.04	0.40	08/07/2020	15:40
2	LB110435BS	LB110435BS	50	1	100	10.09	4.56	4.26	0.20	4.70	4.98	4.22	42.20	08/07/2020	15:48
3	L3514-02	PK-10S		1	100	5.25	4.47	4.17	0.00	0.80	1.02	0.58	5.80	08/07/2020	15:55
4	L3514-03	PK-10D		1	100	5.24	4.45	4.15	1.02	3.18	3.62	1.72	17.20	08/07/2020	16:02
5	L3514-03DUP	PK-10DDUP		1	100	5.54	4.62	4.32	0.00	2.44	3.12	1.76	17.60	08/07/2020	16:10

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

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

LB110435 WORKLIST(Hardcopy Internal Chain)

WorkList Name : alkalinity-80320 WorkList ID : 141107 Department : Wet-Chemistry Date : 08-03-2020 12:32:42

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
08/12/2020	Water	L3514-02 F	Alkalinity	Cool 4 deg C	LOCK01	I51	PK-10S	07/29/2020	SM2320 B
08/12/2020	Water	L3514-03 F	Alkalinity	Cool 4 deg C	LOCK01	I51	PK-10D	07/29/2020	SM2320 B
08/12/2020	Water	L3514-06	Alkalinity	Cool 4 deg C	LOCK01	I51	PK-10I	07/29/2020	SM2320 B
08/12/2020	Water	L3514-07	Alkalinity	Cool 4 deg C	LOCK01	I51	RW-12I	07/29/2020	SM2320 B
08/12/2020	Water	L3514-08	Alkalinity	Cool 4 deg C	LOCK01	I51	RW-12D	07/29/2020	SM2320 B

Date/Time 8/07/2020 15:20 Date/Time 8/07/2020 16:40

Received by: AMC wet-chem Received by: spc wet-chem

Relinquished by: 4A wet-chem Relinquished by: AMC wet-chem