



Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB112468
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	WP88681
Sulfuric Acid 0.02N for Acidity / Alkalinity	WP85623
buffer solution pH 7 yellow	W2627
PH 4 BUFFER SOLUTION	W2629
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	LB112468BL	LB112468BL		1	100	4.92	4.52	4.22	0.00	0.08	0.12	0.04	0.40	12/21/2020	12:25
2	LB112468BS	LB112468BS	50	1	100	9.92	4.38	4.08	0.00	5.18	5.52	4.84	48.40	12/21/2020	12:31
3	L5139-01	BPOW3-3-2020121		1	100	5.24	4.47	4.17	0.00	0.46	0.56	0.36	3.60	12/21/2020	12:36
4	L5139-01DUP	BPOW3-3-2020121		1	100	5.25	4.44	4.14	0.00	0.42	0.50	0.34	3.40	12/21/2020	12:40
5	L5139-02	BPOW3-4-2020121		1	100	5.05	4.55	4.25	0.00	0.30	0.38	0.22	2.20	12/21/2020	12:45
6	L5139-03	RE115D2-2020121		1	100	5.31	4.56	4.26	0.00	0.46	0.56	0.36	3.60	12/21/2020	12:51

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

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

LB19468 WORKLIST(Hardcopy Internal Chain)

WorkList Name : Alkalinity-122120

WorkList ID : 145109

Department : Wet-Chemistry

Date : 12-21-2020 09:41:54

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
12/28/2020	Water	L5095-02	Alkalinity	Cool 4 deg C	ENV144	L61	39-MW106-121420	12/14/2020	SM2320 B
12/28/2020	Water	L5095-03	Alkalinity	Cool 4 deg C	ENV144	L61	39-FD02-121420	12/14/2020	SM2320 B
12/28/2020	Water	L5095-04	Alkalinity	Cool 4 deg C	ENV144	L61	39-MW104-121420	12/14/2020	SM2320 B
12/28/2020	Water	L5095-09	Alkalinity	Cool 4 deg C	ENV144	L61	39-MW113-121420	12/14/2020	SM2320 B
12/28/2020	Water	L5095-10	Alkalinity	Cool 4 deg C	ENV144	L61	39-MW108-121420	12/14/2020	SM2320 B
12/29/2020	Water	L5139-01	Alkalinity	Cool 4 deg C	TETR06	L51	BPOW3-3-20201215	12/15/2020	SM2320 B
12/29/2020	Water	L5139-02	Alkalinity	Cool 4 deg C	TETR06	L51	BPOW3-4-20201215	12/15/2020	SM2320 B
12/29/2020	Water	L5139-03	Alkalinity	Cool 4 deg C	TETR06	L51	RE115D2-20201215	12/15/2020	SM2320 B

Date/Time 12/21/2020 12:05
 Received by: AM (wet-chem)
 Relinquished by: CP (SM)

Date/Time 12/21/2020 12:55
 Received by: CP (SM)
 Relinquished by: AM (wet-chem)