

Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB106827
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	WP80789
Acidity-Alkalinity Stock Std(+2500PPM)	WP80788
SULFURIC ACID, 0.02N, 4L	W2269

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	LB106827BL	LB106827BL		1	100	4.54	4.54	4.24	0.0	0.0	0.04	-0.04	-0.40	12/24/2019	12:13
2	LB106827BS	LB106827BS	50	1	100	9.95	3.83	3.53	0.0	5.02	5.22	4.82	48.20	12/24/2019	12:20
3	K6347-01	MW-6		1	100	5.50	3.83	3.53	0.02	1.60	2.32	0.86	8.60	12/24/2019	12:26
4	K6347-02	MW-2		1	100	5.85	4.55	4.25	0.0	0.36	0.56	0.16	1.60	12/24/2019	12:30
5	K6347-03	MW-3		1	100	5.63	4.69	4.39	1.94	5.66	6.06	3.32	33.20	12/24/2019	12:36
6	K6347-04	FB-121619		1	100	4.96	4.53	4.23	6.06	6.20	6.40	-0.06	-0.60	12/24/2019	12:42
7	K6369-01	MW-1		1	100	6.40	4.68	4.38	0.06	5.24	5.56	4.86	48.60	12/24/2019	12:50
8	K6369-02	MW-3		1	100	6.64	4.32	4.02	0.02	3.64	3.82	3.44	34.40	12/24/2019	12:56
9	K6369-03	MW-4		1	100	6.69	4.52	4.21	3.82	7.50	7.70	3.48	34.80	12/24/2019	13:05
10	K6369-03DUP	MW-4DUP		1	100	6.67	4.51	4.22	0.0	3.68	3.88	3.48	34.80	12/24/2019	13:10
11	K6369-04	MW-2		1	50	7.26	4.66	4.36	0.02	13.16	13.5	12.80	256.00	12/24/2019	13:23

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

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

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WORKLIST(Hardcopy Internal Chain)

WorkList Name : alkali121719

WorkList ID : 134297

Department : Wet-Chemistry

Date : 12-17-2019 13:06:35

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
12/30/2019	Water	K6347-01	Alkalinity	Cool 4 deg C	AREC01	D61	MW-6	12/16/2019	SM2320 B
12/30/2019	Water	K6347-02	Alkalinity	Cool 4 deg C	AREC01	D61	MW-2	12/16/2019	SM2320 B
12/30/2019	Water	K6347-03	Alkalinity	Cool 4 deg C	AREC01	D61	MW-3	12/16/2019	SM2320 B
12/30/2019	Water	K6347-04	Alkalinity	Cool 4 deg C	AREC01	D61	FB-121619	12/16/2019	SM2320 B
12/30/2019	Water	K6369-01	Alkalinity	Cool 4 deg C	LOCK01	D51	MW-1	12/16/2019	SM2320 B
12/30/2019	Water	K6369-02	Alkalinity	Cool 4 deg C	LOCK01	D51	MW-3	12/16/2019	SM2320 B
12/30/2019	Water	K6369-03	Alkalinity	Cool 4 deg C	LOCK01	D51	MW-4	12/16/2019	SM2320 B
12/30/2019	Water	K6369-04	Alkalinity	Cool 4 deg C	LOCK01	D51	MW-2	12/16/2019	SM2320 B

Date/Time 12-24-19 11:45

Received by: AK

Relinquished by: CQ

Date/Time 12-24-19 13:40

Received by: S

Relinquished by: AK