



Analytical Summary Report

Analysis Method: SM2320 B
Parameter: Alkalinity
Run Number: LB110252
Constant: 50,000

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

Reagent/Standard	Lot/Log #
PH 4 BUFFER SOLUTION	W2629
buffer solution pH 7 yellow	W2626
PH 10.01 BUFFER, COLOR CD 475ML	W2632
Sulfuric Acid 0.02N for Acidity / Alkalinity	WP85623

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	LB110252BL	LB110252BL		1	100	4.62	4.62	4.32	0.00	0.00	0.08	-0.08	-0.80	07/28/2020	15:03
2	LB110252BS	LB110252BS	50	1	100	10.02	4.55	4.25	0.12	4.55	4.25	4.73	47.30	07/28/2020	15:20
3	L3421-02	FIELD-BLANK		1	100	5.20	4.48	4.18	5.46	5.62	5.80	-0.02	-0.20	07/28/2020	15:28
4	L3421-06	SY-3DD		1	100	6.02	4.36	4.06	5.80	6.50	6.76	0.44	4.40	07/28/2020	15:36
5	L3421-07	SY-7		1	100	6.09	4.35	4.05	0.00	0.78	1.02	0.54	5.40	07/28/2020	15:43
6	L3421-07DUP	SY-7DUP		1	100	6.07	4.32	4.02	1.02	1.84	2.14	0.52	5.20	07/28/2020	15:52

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

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

LB110252

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Alkalinity-72720

WorkList ID : 140864

Department : Wet-Chemistry

Date : 07-27-2020 14:56:27

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
08/05/2020	Water	L3421-02	Alkalinity	Cool 4 deg C	LOCK01	I12	FIELD-BLANK	07/22/2020	SM2320 B
08/05/2020	Water	L3421-03	Alkalinity	Cool 4 deg C	LOCK01	I12	SY-6	07/22/2020	SM2320 B
08/05/2020	Water	L3421-04	Alkalinity	Cool 4 deg C	LOCK01	I12	SY-3	07/22/2020	SM2320 B
08/05/2020	Water	L3421-05	Alkalinity	Cool 4 deg C	LOCK01	I12	SY-3D	07/22/2020	SM2320 B
08/05/2020	Water	L3421-06	Alkalinity	Cool 4 deg C	LOCK01	I12	SY-3DD	07/22/2020	SM2320 B
08/05/2020	Water	L3421-07	Alkalinity	Cool 4 deg C	LOCK01	I12	SY-7	07/22/2020	SM2320 B
08/06/2020	Water	L3442-01	Alkalinity	Cool 4 deg C	LOCK01	I31	SY-2R	07/23/2020	SM2320 B
08/06/2020	Water	L3442-02	Alkalinity	Cool 4 deg C	LOCK01	I31	SY-2D	07/23/2020	SM2320 B

Date/Time 7/28/2020 14:40
 Received by: AM (wet-chem)
 Relinquished by: CP (SM)

Date/Time 7/28/2020 15:55
 Received by: CP (SM)
 Relinquished by: AM (wet-chem)