

AK 7/19/19

Low Level Alkalinity Manual Titration Analysis Log

Analyst	AK	Amount(ml)	Initial pH	pH(4.3-4.7)	Final pH	0.02N H2SO4				Alkalinity	Date/Time
						A	B	C	D=2(B-A)-(C-A) Difference(ml)		
Ident						Initial (ml)	ml Reading at pH(4.3-4.7)	Final(ml)			
LB104145BLW		100	4.59	4.59		0	0	0.04	-0.04	-0.4	7/19/2019 12:20
LB104145BSW		100	9.82	4.62	4.32	0	5.36	5.8	4.92	49.2	7/19/2019 12:32
K3812-01		100	5.15	4.53	4.23	0	0.78	0.04	1.52	15.2	7/19/2019 12:40
K3812-01DUP		100	5.16	4.50	4.20	0	0.8	0.06	1.54	15.4	7/19/2019 12:51
									0	#DIV/0!	7/19/2019 12:51
									0	#DIV/0!	7/19/2019 12:51
									0	#DIV/0!	7/19/2019 12:51
									0	#DIV/0!	7/19/2019 12:51
									0	#DIV/0!	7/19/2019 12:51

Note - Final pH has to be exactly 0.3 less than that observed at pH(4.3-4.7)

Alkalinity = $D \cdot N \cdot 50000$ / ml of sample

where N is Normality of sulfuric acid = 0.02