

Analysis Method: SM4500 S E

ANALYST: ketankumar

Parameter: Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB111988

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
Sodium thiosulfate titrant 0.025N	WP87313
IODINE SOLUTION .025N 1L	W2763
Starch Solution, 4L	W2703

Seq	Lab ID	True Value (mg/L)	DF	Initial Volume (mL)	Final Volume (mL)	T1 (mL)	T2 Initial	T2 Final	T2 Diff. (mL)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	AnalDate	Anal Time
1	PB133030BL		1	50	50	5.00	0.00	4.92	4.92	0.08	0.00	0.00	11/16/2020	15:40
2	PB133030BS	25	1	50	50	5.00	0.00	2.26	2.26	2.74	2.66	21.28	11/16/2020	15:42
3	L4750-01		1	50	50	5.00	0.00	4.88	4.88	0.12	0.04	0.32	11/16/2020	15:45
4	L4750-02		1	50	50	5.00	0.00	4.76	4.76	0.24	0.16	1.28	11/16/2020	15:48
5	L4750-03		1	50	50	5.00	0.00	4.88	4.88	0.12	0.04	0.32	11/16/2020	15:52
6	L4750-04		1	50	50	5.00	0.00	4.76	4.76	0.24	0.16	1.28	11/16/2020	15:55
7	L4750-05		1	50	50	5.00	0.00	4.90	4.90	0.10	0.02	0.16	11/16/2020	15:58
8	L4750-06		1	50	50	5.00	0.00	4.76	4.76	0.24	0.16	1.28	11/16/2020	16:02
9	L4750-07		1	50	50	5.00	0.00	4.90	4.90	0.10	0.02	0.16	11/16/2020	16:05
10	L4750-08		1	50	50	5.00	0.00	4.76	4.76	0.24	0.16	1.28	11/16/2020	16:08
11	L4750-09		1	50	50	5.00	0.00	4.86	4.86	0.14	0.06	0.48	11/16/2020	16:12

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 * Normality1) - ((T1 - Value Corrected With Blank) * Normality2)) * Constant / Initial Volume

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Seq	Lab ID	True Value (mg/L)	DF	Initial Volume (mL)	Final Volume (mL)	T1 (mL)	T2 Initial	T2 Final	T2 Diff. (mL)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	AnalDate	Anal Time
12	L4750-09DUP		1	50	50	5.00	4.86	9.70	4.84	0.16	0.08	0.64	11/16/2020	16:15
13	L4750-10	25	1	50	50	5.00	0.00	2.54	2.54	2.46	2.38	19.04	11/16/2020	16:18
14	L4750-11	25	1	50	50	5.00	2.54	5.10	2.56	2.44	2.36	18.88	11/16/2020	16:22
15	L4750-12		1	50	50	5.00	0.00	4.80	4.80	0.20	0.12	0.96	11/16/2020	16:25
16	L4750-13		1	50	50	5.00	0.00	4.88	4.88	0.12	0.04	0.32	11/16/2020	16:28
17	L4750-14		1	50	50	5.00	0.00	4.90	4.90	0.10	0.02	0.16	11/16/2020	16:30
18	L4750-15		1	50	50	5.00	0.00	4.88	4.88	0.12	0.04	0.32	11/16/2020	16:32
19	L4750-16		1	50	50	5.00	0.00	4.86	4.86	0.14	0.06	0.48	11/16/2020	16:35
20	L4750-17		1	50	50	5.00	0.00	4.74	4.74	0.26	0.18	1.44	11/16/2020	16:38
21	L4750-18		1	50	50	5.00	0.00	4.76	4.76	0.24	0.16	1.28	11/16/2020	16:42
22	L4750-19		1	50	50	5.00	0.00	4.60	4.60	0.40	0.32	2.56	11/16/2020	16:45

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 * Normality1) - ((T1 - Value Corrected With Blank) * Normality2)) * Constant / Initial Volume