

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB90469

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W2206
IODINE SOLUTION .025N 1L	W2251
Starch Solution, 4L	W2121

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	PB102777BL		1	50	50	5.00	0.00	4.40	4.40	0.60	0.00	0.00	09/30/2017	13:32
2	PB102777BS	25	1	50	50	5.00	0.00	1.88	1.88	3.12	2.52	20.16	09/30/2017	13:35
3	I5486-01		1	50	50	5.00	1.88	5.74	3.86	1.14	0.54	4.32	09/30/2017	13:38
4	I5496-01		1	50	50	5.00	0.00	3.40	3.40	1.60	1.00	8.00	09/30/2017	13:42
5	I5496-02		1	50	50	5.00	3.40	6.78	3.38	1.62	1.02	8.16	09/30/2017	13:45
6	I5496-03		1	50	50	5.00	0.00	3.60	3.60	1.40	0.80	6.40	09/30/2017	13:48
7	I5496-04		1	50	50	5.00	3.60	7.28	3.68	1.32	0.72	5.76	09/30/2017	13:52
8	I5496-05		1	50	50	5.00	0.00	3.44	3.44	1.56	0.96	7.68	09/30/2017	13:55
9	I5496-06		1	50	50	5.00	3.44	6.94	3.50	1.50	0.90	7.20	09/30/2017	13:58
10	I5496-07		1	50	50	5.00	0.00	3.32	3.32	1.68	1.08	8.64	09/30/2017	14:02
11	I5496-08		1	50	50	5.00	3.32	6.90	3.58	1.42	0.82	6.56	09/30/2017	14:05

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	I5526-01		1	50	50	5.00	0.00	3.90	3.90	1.10	0.50	4.00	09/30/2017	14:08
13	I5526-01DUP		1	50	50	5.00	3.90	7.78	3.88	1.12	0.52	4.16	09/30/2017	14:12
14	I5526-01MS	25	1	50	50	5.00	0.00	2.08	2.08	2.92	2.32	18.56	09/30/2017	14:15
15	I5526-01MSD	25	1	50	50	5.00	2.08	4.14	2.06	2.94	2.34	18.72	09/30/2017	14:18
16	I5526-02		1	50	50	5.00	0.00	3.82	3.82	1.18	0.58	4.64	09/30/2017	14:22
17	I5526-03		1	50	50	10.00	0.00	1.64	1.64	8.36	7.76	62.08	09/30/2017	14:25
18	I5526-04		1	50	50	5.00	1.64	4.36	2.72	2.28	1.68	13.44	09/30/2017	14:28

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