

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB89463

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 Weight (g)	Final Volume (ml)	T1 (ml)	T2 Initial	T2 Final	T2 Diff. (ml)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	Anal Date	Anal Time
1	PB101521BL		1	5.02	50	2.00	0.00	1.58	1.58	0.42	0.00	0.00	08/14/2017	15:32
2	I4750-03		1	5.04	50	2.00	1.58	3.08	1.50	0.50	0.08	6.35	08/14/2017	15:35
3	I4750-03DUP		1	5.03	50	2.00	3.08	4.56	1.48	0.52	0.10	7.95	08/14/2017	15:38
4	I4751-17		1	5.04	50	2.00	4.56	6.12	1.56	0.44	0.02	1.59	08/14/2017	15:40
5	I4751-18		1	5.05	50	2.00	6.12	7.68	1.56	0.44	0.02	1.58	08/14/2017	15:42
6	I4751-19		1	5.04	50	2.00	0.00	1.34	1.34	0.66	0.24	19.05	08/14/2017	15:45
7	I4751-20		1	5.03	50	2.00	1.34	2.64	1.30	0.70	0.28	22.27	08/14/2017	15:48
8	I4751-21		1	5.04	50	2.00	2.64	3.86	1.22	0.78	0.36	28.57	08/14/2017	15:50
9	I4751-22		1	5.03	50	2.00	3.86	5.30	1.44	0.56	0.14	11.13	08/14/2017	15:52
10	I4751-23		1	5.04	50	2.00	5.30	6.74	1.44	0.56	0.14	11.11	08/14/2017	15:55
11	I4751-24		1	5.03	50	2.00	6.74	8.28	1.54	0.46	0.04	3.18	08/14/2017	15:58
12	I4753-03		1	5.04	50	2.00	0.00	1.40	1.40	0.60	0.18	14.29	08/14/2017	16:02

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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13	I4755-03		1	5.03	50	2.00	1.40	2.46	1.06	0.94	0.52	41.35	08/14/2017	16:05
14	I4755-06		1	5.03	50	2.00	2.46	3.66	1.20	0.80	0.38	30.22	08/14/2017	16:08
15	I4758-03		1	5.03	50	2.00	3.66	4.70	1.04	0.96	0.54	42.94	08/14/2017	16:10
16	I4760-03		1	5.04	50	2.00	4.70	5.86	1.16	0.84	0.42	33.33	08/14/2017	16:12
17	I4768-04		1	5.03	50	2.00	5.86	7.00	1.14	0.86	0.44	34.99	08/14/2017	16:15
18	I4768-05		1	5.06	50	2.00	7.00	8.22	1.22	0.78	0.36	28.46	08/14/2017	16:18

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