

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB89441

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	PB101458BL		1	5.02	50	2.00	0.00	1.50	1.50	0.50	0.00	0.00	08/11/2017	12:30
2	I4705-03		1	5.04	50	2.00	0.00	1.46	1.46	0.54	0.04	3.17	08/11/2017	12:32
3	I4705-03DUP		1	5.03	50	2.00	1.46	2.90	1.44	0.56	0.06	4.77	08/11/2017	12:35
4	I4705-06		1	5.04	50	2.00	2.90	4.40	1.50	0.50	0.00	0.00	08/11/2017	12:38
5	I4706-03		1	5.05	50	2.00	4.40	5.80	1.40	0.60	0.10	7.92	08/11/2017	12:40
6	I4717-03		1	5.04	50	2.00	5.80	7.16	1.36	0.64	0.14	11.11	08/11/2017	12:42
7	I4736-15		1	5.03	50	2.00	7.16	8.54	1.38	0.62	0.12	9.54	08/11/2017	12:45
8	I4736-16		1	5.04	50	2.00	0.00	1.32	1.32	0.68	0.18	14.29	08/11/2017	12:48
9	I4736-17		1	5.03	50	2.00	1.32	2.54	1.22	0.78	0.28	22.27	08/11/2017	12:50
10	I4736-18		1	5.04	50	2.00	2.54	3.70	1.16	0.84	0.34	26.98	08/11/2017	12:52
11	I4736-19		1	5.03	50	2.00	3.70	5.00	1.30	0.70	0.20	15.90	08/11/2017	12:55
12	I4736-20		1	5.04	50	2.00	5.00	6.24	1.24	0.76	0.26	20.63	08/11/2017	12:58

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 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
13	I4739-08		1	5.03	50	2.00	6.24	7.38	1.14	0.86	0.36	28.63	08/11/2017	13:05
14	I4739-09		1	5.04	50	2.00	7.38	8.58	1.20	0.80	0.30	23.81	08/11/2017	13:08
15	I4739-10		1	5.03	50	2.00	0.00	0.98	0.98	1.02	0.52	41.35	08/11/2017	13:10
16	I4739-11		1	5.04	50	2.00	0.98	2.14	1.16	0.84	0.34	26.98	08/11/2017	13:12
17	I4739-12		1	5.03	50	2.00	2.14	3.26	1.12	0.88	0.38	30.22	08/11/2017	13:15
18	I4739-13		1	5.06	50	2.00	3.26	4.20	0.94	1.06	0.56	44.27	08/11/2017	13:18
19	I4739-14		1	5.04	50	2.00	4.20	5.28	1.08	0.92	0.42	33.33	08/11/2017	13:20

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