

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB90001

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	PB102236BL		1	5.02	50	2.00	0.00	1.66	1.66	0.34	0.00	0.00	09/11/2017	15:30
2	I5158-03		1	5.04	50	2.00	0.00	1.06	1.06	0.94	0.60	47.62	09/11/2017	15:33
3	I5158-03DUP		1	5.03	50	2.00	1.06	2.14	1.08	0.92	0.58	46.12	09/11/2017	15:35
4	I5159-12		1	5.04	50	2.00	2.14	3.34	1.20	0.80	0.46	36.51	09/11/2017	15:38
5	I5159-13		1	5.05	50	2.00	3.34	5.00	1.66	0.34	0.00	0.00	09/11/2017	15:40
6	I5159-14		1	5.04	50	2.00	5.00	6.30	1.30	0.70	0.36	28.57	09/11/2017	15:42
7	I5159-15		1	5.03	50	2.00	0.00	1.40	1.40	0.60	0.26	20.68	09/11/2017	15:45
8	I5159-16		1	5.04	50	2.00	1.40	2.82	1.42	0.58	0.24	19.05	09/11/2017	15:48
9	I5159-17		1	5.03	50	2.00	2.82	4.10	1.28	0.72	0.38	30.22	09/11/2017	15:50
10	I5159-18		1	5.04	50	2.00	4.10	5.46	1.36	0.64	0.30	23.81	09/11/2017	15:52
11	I5159-19		1	5.03	50	2.00	5.46	6.62	1.16	0.84	0.50	39.76	09/11/2017	15:55
12	I5159-20		1	5.04	50	2.00	6.62	8.02	1.40	0.60	0.26	20.63	09/11/2017	15:58

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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Normality1: 0.025

Normality2: 0.025

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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
13	I5159-21		1	5.03	50	2.00	0.00	1.40	1.40	0.60	0.26	20.68	09/11/2017	16:02
14	I5159-22		1	5.04	50	2.00	1.40	2.70	1.30	0.70	0.36	28.57	09/11/2017	16:10
15	I5171-07		1	5.03	50	2.00	2.70	4.06	1.36	0.64	0.30	23.86	09/11/2017	16:13
16	I5175-03		1	5.04	50	2.00	4.06	5.30	1.24	0.76	0.42	33.33	09/11/2017	16:15
17	I5175-06		1	5.03	50	2.00	5.30	6.54	1.24	0.76	0.42	33.40	09/11/2017	16:18
18	I5184-03		1	5.06	50	2.00	6.54	7.92	1.38	0.62	0.28	22.13	09/11/2017	16:20

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