

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB88405

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W2206
IODINE SOLUTION .025N 1L	W2236
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	PB100233BL		1	5.02	50	2.00	0.00	1.74	1.74	0.26	0.00	0.00	06/28/2017	14:12
2	I3882-15		1	5.04	50	2.00	1.74	3.24	1.50	0.50	0.24	19.05	06/28/2017	14:14
3	I3882-15DUP		1	5.03	50	2.00	3.24	4.72	1.48	0.52	0.26	20.68	06/28/2017	14:17
4	I3882-16		1	5.04	50	2.00	4.72	6.24	1.52	0.48	0.22	17.46	06/28/2017	14:19
5	I3882-17		1	5.05	50	2.00	6.24	7.64	1.40	0.60	0.34	26.93	06/28/2017	14:21
6	I3882-18		1	5.04	50	2.00	7.64	8.86	1.22	0.78	0.52	41.27	06/28/2017	14:22
7	I3882-19		1	5.04	50	2.00	0.00	1.36	1.36	0.64	0.38	30.16	06/28/2017	14:24
8	I3882-20		1	5.05	50	2.00	1.36	2.72	1.36	0.64	0.38	30.10	06/28/2017	14:25
9	I3882-21		1	5.03	50	2.00	2.72	3.64	0.92	1.08	0.82	65.21	06/28/2017	14:27
10	I3882-22		1	5.04	50	2.00	3.72	5.46	1.74	0.26	0.00	0.00	06/28/2017	14:29
11	I3882-23		1	5.03	50	2.00	5.46	6.74	1.28	0.72	0.46	36.58	06/28/2017	14:31
12	I3882-24		1	5.04	50	2.00	6.74	7.94	1.20	0.80	0.54	42.86	06/28/2017	14:32

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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Normality2: 0.025

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IODINE SOLUTION .025N 1L	W2236
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	I3882-25		1	5.03	50	2.00	7.94	9.20	1.26	0.74	0.48	38.17	06/28/2017	14:34
14	I3882-26		1	5.04	50	2.00	0.00	1.38	1.38	0.62	0.36	28.57	06/28/2017	14:37
15	I3882-27		1	5.03	50	2.00	1.38	2.68	1.30	0.70	0.44	34.99	06/28/2017	14:39
16	I3882-28		1	5.04	50	2.00	2.68	4.00	1.32	0.68	0.42	33.33	06/28/2017	14:40
17	I3935-03		1	5.03	50	2.00	4.00	5.30	1.30	0.70	0.44	34.99	06/28/2017	14:42
18	I3949-05		1	5.06	50	2.00	5.30	6.46	1.16	0.84	0.58	45.85	06/28/2017	14:43
19	I3949-11		1	5.04	50	2.00	6.46	7.72	1.26	0.74	0.48	38.10	06/28/2017	14:45
20	I3952-05		1	5.02	50	2.00	7.72	8.92	1.20	0.80	0.54	43.03	06/28/2017	14:47

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