

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB88632

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	PB100538BL		1	5.02	50	2.00	0.00	1.72	1.72	0.28	0.00	0.00	07/10/2017	17:15
2	I4071-03		1	5.04	50	2.00	0.00	1.70	1.70	0.30	0.02	1.59	07/10/2017	17:17
3	I4071-03DUP		1	5.03	50	2.00	1.70	3.42	1.72	0.28	0.00	0.00	07/10/2017	17:20
4	I4071-06		1	5.04	50	2.00	0.00	1.64	1.64	0.36	0.08	6.35	07/10/2017	17:22
5	I4071-09		1	5.05	50	2.00	1.64	3.04	1.40	0.60	0.32	25.35	07/10/2017	17:24
6	I4078-03		1	5.04	50	2.00	3.04	4.50	1.46	0.54	0.26	20.63	07/10/2017	17:26
7	I4078-07		1	5.03	50	2.00	4.50	6.02	1.52	0.48	0.20	15.90	07/10/2017	17:28
8	I4082-02		1	5.04	50	2.00	6.02	7.40	1.38	0.62	0.34	26.98	07/10/2017	17:30
9	I4082-08		1	5.03	50	2.00	7.40	8.88	1.48	0.52	0.24	19.09	07/10/2017	17:32
10	I4084-05		1	5.04	50	2.00	0.00	1.40	1.40	0.60	0.32	25.40	07/10/2017	17:34
11	I4084-10		1	5.03	50	2.00	1.40	2.68	1.28	0.72	0.44	34.99	07/10/2017	17:36
12	I4106-01		1	5.04	50	2.00	2.68	4.06	1.38	0.62	0.34	26.98	07/10/2017	17:38

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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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	I4108-03		1	5.03	50	2.00	4.06	5.20	1.14	0.86	0.58	46.12	07/10/2017	17:40
14	I4108-06		1	5.04	50	2.00	5.20	6.56	1.36	0.64	0.36	28.57	07/10/2017	17:42
15	I4108-09		1	5.03	50	2.00	6.56	7.92	1.36	0.64	0.36	28.63	07/10/2017	17:45
16	I4113-07		1	5.04	50	2.00	7.92	9.10	1.18	0.82	0.54	42.86	07/10/2017	17:47
17	I4113-08		1	5.03	50	2.00	0.00	1.20	1.20	0.80	0.52	41.35	07/10/2017	17:50
18	I4113-09		1	5.06	50	2.00	1.20	2.18	0.98	1.02	0.74	58.50	07/10/2017	17:52
19	I4119-03		1	5.04	50	2.00	2.18	3.54	1.36	0.64	0.36	28.57	07/10/2017	17:54
20	I4119-06		1	5.02	50	2.00	3.54	4.86	1.32	0.68	0.40	31.87	07/10/2017	17:56
21	I4119-09		1	5.02	50	2.00	4.86	6.06	1.20	0.80	0.52	41.43	07/10/2017	17:58
22	I4120-05		1	5.05	50	2.00	6.06	7.26	1.20	0.80	0.52	41.19	07/10/2017	18:02

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