

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB89182

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	PB101149BL		1	5.02	50	2.00	0.00	1.04	1.04	0.96	0.00	0.00	08/01/2017	13:30
2	I4534-04		1	5.04	50	2.00	1.04	2.08	1.04	0.96	0.00	0.00	08/01/2017	13:33
3	I4534-04DUP		1	5.03	50	2.00	2.08	3.10	1.02	0.98	0.02	1.59	08/01/2017	13:35
4	I4539-04		1	5.04	50	2.00	3.10	3.84	0.74	1.26	0.30	23.81	08/01/2017	13:38
5	I4539-08		1	5.05	50	2.00	3.84	4.40	0.56	1.44	0.48	38.02	08/01/2017	13:40
6	I4540-03		1	5.04	50	2.00	4.40	5.00	0.60	1.40	0.44	34.92	08/01/2017	13:42
7	I4540-07		1	5.03	50	2.00	5.00	5.56	0.56	1.44	0.48	38.17	08/01/2017	13:45
8	I4540-11		1	5.04	50	2.00	5.56	6.08	0.52	1.48	0.52	41.27	08/01/2017	13:48
9	I4540-15		1	5.03	50	2.00	6.08	6.60	0.52	1.48	0.52	41.35	08/01/2017	13:50
10	I4540-19		1	5.04	50	2.00	6.60	7.00	0.40	1.60	0.64	50.79	08/01/2017	13:53
11	I4540-23		1	5.03	50	2.00	0.00	0.50	0.50	1.50	0.54	42.94	08/01/2017	13:55
12	I4541-03		1	5.04	50	2.00	0.50	1.04	0.54	1.46	0.50	39.68	08/01/2017	13:58

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	I4541-07		1	5.03	50	2.00	1.04	1.52	0.48	1.52	0.56	44.53	08/01/2017	14:02
14	I4541-11		1	5.04	50	2.00	1.52	1.98	0.46	1.54	0.58	46.03	08/01/2017	14:05
15	I4541-15		1	5.03	50	2.00	1.98	2.46	0.48	1.52	0.56	44.53	08/01/2017	14:08
16	I4542-03		1	5.04	50	2.00	2.46	2.86	0.40	1.60	0.64	50.79	08/01/2017	14:10
17	I4543-03		1	5.03	50	2.00	2.86	3.26	0.40	1.60	0.64	50.89	08/01/2017	14:12
18	I4543-06		1	5.06	50	2.00	3.26	3.78	0.52	1.48	0.52	41.11	08/01/2017	14:15
19	I4543-09		1	5.04	50	2.00	3.78	4.18	0.40	1.60	0.64	50.79	08/01/2017	14:18

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