

Analysis Method: 9034
 Parameter: Reactive Sulfide
 Run Number: LB110205

ANALYST: ketankumar
 SUPERVISOR REVIEW BY: apatel
 Constant: 16000
 Normality1: 0.025
 Normality2: 0.025

Reagent/Standard	Lot/Log #
Sodium thiosulfate titrant 0.025N	WP84605
IODINE SOLUTION .025N 1L	W2670
Starch Solution, 4L	W2703

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	PB130461BL		1	5.02	100	2.00	0.00	1.92	1.92	0.08	0.00	0.00	07/24/2020	13:50
2	L3382-03		1	5.02	100	2.00	1.92	3.78	1.86	0.14	0.06	4.78	07/24/2020	13:52
3	L3382-03DUP		1	5.04	100	2.00	3.78	5.66	1.88	0.12	0.04	3.17	07/24/2020	13:55
4	L3382-07		1	5.05	100	2.00	5.66	7.50	1.84	0.16	0.08	6.34	07/24/2020	13:58
5	L3382-11		1	5.00	100	2.00	0.00	1.86	1.86	0.14	0.06	4.80	07/24/2020	14:02
6	L3382-15		1	5.02	100	2.00	1.86	3.68	1.82	0.18	0.10	7.97	07/24/2020	14:05
7	L3382-19		1	5.03	100	2.00	3.68	5.48	1.80	0.20	0.12	9.54	07/24/2020	14:08
8	L3382-23		1	5.04	100	2.00	5.48	7.32	1.84	0.16	0.08	6.35	07/24/2020	14:12
9	L3383-03		1	5.02	100	2.00	0.00	1.88	1.88	0.12	0.04	3.19	07/24/2020	14:15
10	L3383-07		1	5.03	100	2.00	1.88	3.74	1.86	0.14	0.06	4.77	07/24/2020	14:18
11	L3383-11		1	5.00	100	2.00	3.74	5.56	1.82	0.18	0.10	8.00	07/24/2020	14:22
12	L3383-15		1	5.03	100	2.00	5.56	7.36	1.80	0.20	0.12	9.54	07/24/2020	14:25

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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13	L3383-19		1	5.01	100	2.00	0.00	1.82	1.82	0.18	0.10	7.98	07/24/2020	14:28
14	L3383-23		1	5.05	100	2.00	1.82	3.68	1.86	0.14	0.06	4.75	07/24/2020	14:32
15	L3383-27		1	5.03	100	2.00	3.68	5.52	1.84	0.16	0.08	6.36	07/24/2020	14:35
16	L3383-31		1	5.04	100	2.00	5.52	7.32	1.80	0.20	0.12	9.52	07/24/2020	14:38
17	L3414-04		1	5.05	100	2.00	0.00	1.84	1.84	0.16	0.08	6.34	07/24/2020	14:40
18	L3428-04		1	5.01	100	2.00	1.84	3.70	1.86	0.14	0.06	4.79	07/24/2020	14:42

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