

Analysis Method: 9034
 Parameter: Reactive Sulfide
 Run Number: LB114778

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

Reagent/Standard	Lot/Log #
Sodium thiosulfate titrant 0.025N	WP90938
IODINE SOLUTION .025N 1L	W2763
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	PB136833BL		1	5.00	50	2.00	0.00	1.90	1.90	0.10	0.00	0.00	06/04/2021	16:50
2	M2589-21		1	5.02	50	2.00	1.90	3.76	1.86	0.14	0.04	3.19	06/04/2021	16:52
3	M2589-21DUP		1	5.04	50	2.00	3.76	5.64	1.88	0.12	0.02	1.59	06/04/2021	16:55
4	M2589-22		1	5.05	50	2.00	5.64	7.48	1.84	0.16	0.06	4.75	06/04/2021	16:58
5	M2589-23		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.04	3.17	06/04/2021	17:02
6	M2589-24		1	5.02	50	2.00	1.86	3.70	1.84	0.16	0.06	4.78	06/04/2021	17:05
7	M2589-25		1	5.03	50	2.00	3.70	5.52	1.82	0.18	0.08	6.36	06/04/2021	17:08
8	M2589-26		1	5.04	50	2.00	5.52	7.36	1.84	0.16	0.06	4.76	06/04/2021	17:12
9	M2589-27		1	5.02	50	2.00	0.00	1.84	1.84	0.16	0.06	4.78	06/04/2021	17:15
10	M2589-28		1	5.03	50	2.00	1.84	3.70	1.86	0.14	0.04	3.18	06/04/2021	17:18
11	M2589-29		1	5.05	50	2.00	3.70	5.50	1.80	0.20	0.10	7.92	06/04/2021	17:20
12	M2589-30		1	5.03	50	2.00	5.50	7.32	1.82	0.18	0.08	6.36	06/04/2021	17:22

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	M2589-31		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.02	1.59	06/04/2021	17:25
14	M2589-32		1	5.05	50	2.00	1.88	3.70	1.82	0.18	0.08	6.34	06/04/2021	17:28
15	M2589-33		1	5.03	50	2.00	3.70	5.54	1.84	0.16	0.06	4.77	06/04/2021	17:30
16	M2589-34		1	5.02	50	2.00	5.54	7.40	1.86	0.14	0.04	3.19	06/04/2021	17:32
17	M2589-35		1	5.01	50	2.00	0.00	1.86	1.86	0.14	0.04	3.19	06/04/2021	17:35
18	M2589-36		1	5.03	50	2.00	1.86	3.70	1.84	0.16	0.06	4.77	06/04/2021	17:37
19	M2589-37		1	5.06	50	2.00	3.70	5.50	1.80	0.20	0.10	7.91	06/04/2021	17:40
20	M2589-38		1	5.05	50	2.00	5.50	7.34	1.84	0.16	0.06	4.75	06/04/2021	17:42
21	M2589-39		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.06	4.77	06/04/2021	17:45
22	M2589-40		1	5.07	50	2.00	1.84	3.66	1.82	0.18	0.08	6.31	06/04/2021	17:48

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