

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB133240

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W3105
IODINE SOLUTION .025N 1L	W3114
Starch Solution, 4L	W3149

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	PB164542BL		1	2.50	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	10/31/2024	16:40
2	P4611-03		1	5.02	50	2.00	0.00	1.92	1.92	0.08	0.02	1.59	10/31/2024	16:43
3	P4611-03DUP		1	5.02	50	2.00	0.00	1.92	1.92	0.08	0.02	1.59	10/31/2024	16:45
4	P4611-06		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.06	4.76	10/31/2024	16:48
5	P4611-09		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	10/31/2024	16:50
6	P4611-12		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.04	3.18	10/31/2024	16:53
7	P4611-15		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.08	6.35	10/31/2024	16:55
8	P4611-18		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	10/31/2024	16:58
9	P4640-04		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	10/31/2024	17:02
10	P4643-04		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.08	6.32	10/31/2024	17:05
11	P4643-08		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.06	4.77	10/31/2024	17:08
12	P4643-12		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	10/31/2024	17:10

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	W3114
Starch Solution, 4L	W3149

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	P4645-04		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	10/31/2024	17:13
14	P4659-04		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	10/31/2024	17:15

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