

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB137596

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W3248
IODINE SOLUTION .025N 1L	W3213
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	PB170153BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	10/21/2025	09:00
2	Q3368-06		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	10/21/2025	09:03
3	Q3368-07		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	10/21/2025	09:06
4	Q3369-04		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	10/21/2025	09:08
5	Q3369-08		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	10/21/2025	09:10
6	Q3374-04		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	10/21/2025	09:13
7	Q3374-08		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	10/21/2025	09:15
8	Q3381-02		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	10/21/2025	09:17
9	Q3381-04		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	10/21/2025	09:19
10	Q3381-06		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	10/21/2025	09:22
11	Q3381-08		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	10/21/2025	09:25
12	Q3388-02		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.02	1.60	10/21/2025	09:27

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	W3213
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	Q3390-02		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	10/21/2025	09:30
14	Q3397-04		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	10/21/2025	09:33
15	Q3402-03		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	10/21/2025	09:36
16	Q3402-06		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	10/21/2025	09:39
17	Q3402-09		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.02	1.60	10/21/2025	09:41
18	Q3402-12		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	10/21/2025	09:44
19	Q3403-04		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	10/21/2025	09:46
20	Q3403-04DUP		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	10/21/2025	09:48

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