

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB135375

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	PB167538BL		1	5.00	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	04/10/2025	13:05
2	Q1752-02		1	5.02	50	2.00	0.00	1.92	1.92	0.08	0.02	1.59	04/10/2025	13:08
3	Q1752-02DUP		1	5.02	50	2.00	0.00	1.92	1.92	0.08	0.02	1.59	04/10/2025	13:11
4	Q1752-04		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.06	4.73	04/10/2025	13:13
5	Q1752-06		1	5.01	50	2.00	0.00	1.86	1.86	0.14	0.08	6.39	04/10/2025	13:15
6	Q1752-08		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.08	6.35	04/10/2025	13:18
7	Q1753-04		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	04/10/2025	13:20
8	Q1753-08		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.06	4.73	04/10/2025	13:22
9	Q1754-02		1	5.06	50	2.00	0.00	1.92	1.92	0.08	0.02	1.58	04/10/2025	13:25
10	Q1754-04		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.04	3.18	04/10/2025	13:27
11	Q1756-04		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.06	4.74	04/10/2025	13:29
12	Q1760-04		1	5.04	50	2.00	0.00	1.92	1.92	0.08	0.02	1.59	04/10/2025	13:31

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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Normality2: 0.025

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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	Q1760-08		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	04/10/2025	13:33
14	Q1771-04		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.04	3.18	04/10/2025	13:35
15	Q1771-08		1	5.01	50	2.00	0.00	1.88	1.88	0.12	0.06	4.79	04/10/2025	13:38
16	Q1771-12		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	04/10/2025	13:41

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