

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB135213

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	PB167333BL		1	5.00	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	03/27/2025	12:35
2	Q1642-02		1	5.08	50	2.00	0.00	1.92	1.92	0.08	0.02	1.57	03/27/2025	12:38
3	Q1642-02DUP		1	5.08	50	2.00	0.00	1.92	1.92	0.08	0.02	1.57	03/27/2025	12:41
4	Q1643-04		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.06	4.74	03/27/2025	12:43
5	Q1645-04		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	03/27/2025	12:45
6	Q1645-08		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	03/27/2025	12:48
7	Q1648-02		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.08	6.32	03/27/2025	12:50
8	Q1648-04		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.06	4.77	03/27/2025	12:52
9	Q1648-06		1	5.05	50	2.00	0.00	1.92	1.92	0.08	0.02	1.58	03/27/2025	12:55
10	Q1648-08		1	5.08	50	2.00	0.00	1.90	1.90	0.10	0.04	3.15	03/27/2025	12:57
11	Q1648-10		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.06	4.74	03/27/2025	13:00
12	Q1648-12		1	5.05	50	2.00	0.00	1.92	1.92	0.08	0.02	1.58	03/27/2025	13:03

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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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	Q1648-14		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.06	4.75	03/27/2025	13:06
14	Q1662-04		1	5.01	50	2.00	0.00	1.86	1.86	0.14	0.08	6.39	03/27/2025	13:08
15	Q1662-08		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	03/27/2025	13:10

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