

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB134606

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	PB166582BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	02/06/2025	14:00
2	Q1285-02		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	02/06/2025	14:03
3	Q1285-02DUP		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	02/06/2025	14:05
4	Q1287-02		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	02/06/2025	14:07
5	Q1287-04		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.02	1.60	02/06/2025	14:10
6	Q1287-06		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	02/06/2025	14:13
7	Q1287-08		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.08	6.35	02/06/2025	14:15
8	Q1287-10		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	02/06/2025	14:18
9	Q1289-03		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	02/06/2025	14:20
10	Q1289-05		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	02/06/2025	14:23
11	Q1299-04		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	02/06/2025	14:25
12	Q1299-08		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	02/06/2025	14:28

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	Q1307-01		1	5.01	50	2.00	0.00	1.86	1.86	0.14	0.06	4.79	02/06/2025	14:30
14	Q1309-04		1	5.01	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	02/06/2025	14:33
15	Q1309-08		1	5.06	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	02/06/2025	14:35
16	Q1309-12		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	02/06/2025	14:40
17	Q1309-16		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	02/06/2025	14:43
18	Q1309-20		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	02/06/2025	14:45
19	Q1309-24		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.08	6.31	02/06/2025	14:48

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