

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB135128

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	PB167221BL		1	5.00	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	03/21/2025	12:30
2	Q1592-02		1	5.05	50	2.00	0.00	1.92	1.92	0.08	0.02	1.58	03/21/2025	12:33
3	Q1592-02DUP		1	5.05	50	2.00	0.00	1.92	1.92	0.08	0.02	1.58	03/21/2025	12:36
4	Q1597-02		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.08	6.31	03/21/2025	12:38
5	Q1597-04		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.04	3.18	03/21/2025	12:40
6	Q1597-06		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.08	6.35	03/21/2025	12:42
7	Q1605-02		1	5.01	50	2.00	0.00	1.92	1.92	0.08	0.02	1.60	03/21/2025	12:45
8	Q1606-02		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.08	6.31	03/21/2025	12:48
9	Q1606-04		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.06	4.75	03/21/2025	12:50
10	Q1606-06		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	03/21/2025	12:52
11	Q1606-08		1	5.06	50	2.00	0.00	1.92	1.92	0.08	0.02	1.58	03/21/2025	12:55
12	Q1606-10		1	5.08	50	2.00	0.00	1.86	1.86	0.14	0.08	6.30	03/21/2025	12:58

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	Q1609-03		1	5.04	50	2.00	0.00	1.92	1.92	0.08	0.02	1.59	03/21/2025	13:00
14	Q1610-03		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.08	6.32	03/21/2025	13:03
15	Q1619-06		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	03/21/2025	13:06
16	Q1619-08		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.06	4.77	03/21/2025	13:09
17	Q1619-10		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	03/21/2025	13:12
18	Q1619-12		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.06	4.76	03/21/2025	13:15
19	Q1619-14		1	5.01	50	2.00	0.00	1.88	1.88	0.12	0.06	4.79	03/21/2025	13:18

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