

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB134847

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	PB166865BL		1	5.00	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	02/28/2025	11:03
2	Q1420-04		1	5.05	50	2.00	0.00	1.92	1.92	0.08	0.02	1.58	02/28/2025	11:06
3	Q1420-04DUP		1	5.05	50	2.00	0.00	1.92	1.92	0.08	0.02	1.58	02/28/2025	11:08
4	Q1420-08		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.08	6.36	02/28/2025	11:10
5	Q1427-02		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	02/28/2025	11:13
6	Q1442-01		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.06	4.76	02/28/2025	11:15
7	Q1442-02		1	5.01	50	2.00	0.00	1.92	1.92	0.08	0.02	1.60	02/28/2025	11:18
8	Q1443-01		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.08	6.31	02/28/2025	11:20
9	Q1447-02		1	5.06	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	02/28/2025	11:23
10	Q1453-01		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.06	4.73	02/28/2025	11:26
11	Q1454-03		1	5.08	50	2.00	0.00	1.90	1.90	0.10	0.04	3.15	02/28/2025	11:28
12	Q1458-03		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	02/28/2025	11:31

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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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	Q1464-01		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.06	4.76	02/28/2025	11:34
14	Q1464-02		1	5.08	50	2.00	0.00	1.90	1.90	0.10	0.04	3.15	02/28/2025	11:37
15	Q1465-01		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.08	6.35	02/28/2025	11:40

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