

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB135442

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	PB167580BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	04/15/2025	15:10
2	Q1779-04		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	04/15/2025	15:13
3	Q1779-04DUP		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	04/15/2025	15:16
4	Q1779-08		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	04/15/2025	15:18
5	Q1781-04		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.02	1.60	04/15/2025	15:20
6	Q1781-08		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	04/15/2025	15:23
7	Q1781-12		1	5.01	50	2.00	0.00	1.86	1.86	0.14	0.06	4.79	04/15/2025	15:25
8	Q1787-12		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	04/15/2025	15:27
9	Q1788-04		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	04/15/2025	15:30
10	Q1791-07		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	04/15/2025	15:33
11	Q1800-03		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	04/15/2025	15:36
12	Q1803-01		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	04/15/2025	15:39

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	Q1803-02		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	04/15/2025	15:41
14	Q1808-02		1	5.08	50	2.00	0.00	1.90	1.90	0.10	0.02	1.57	04/15/2025	15:43
15	Q1808-04		1	5.01	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	04/15/2025	15:45

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