

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB133561

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	PB165112BL		1	5.00	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	11/21/2024	15:00
2	P4910-04		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	11/21/2024	15:03
3	P4910-04DUP		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	11/21/2024	15:06
4	P4910-08		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	11/21/2024	15:08
5	P4916-04		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.08	6.35	11/21/2024	15:10
6	P4916-08		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.06	4.76	11/21/2024	15:13
7	P4916-12		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	11/21/2024	15:15
8	P4923-02		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.08	6.35	11/21/2024	15:18
9	P4923-03		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	11/21/2024	15:20
10	P4923-04		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.08	6.34	11/21/2024	15:23
11	P4923-05		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.04	3.18	11/21/2024	15:25
12	P4924-04		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.06	4.75	11/21/2024	15:28

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	P4925-04		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.08	6.37	11/21/2024	15:30
14	P4925-08		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	11/21/2024	15:32
15	P4929-02		1	5.01	50	2.00	0.00	1.88	1.88	0.12	0.06	4.79	11/21/2024	15:35
16	P4938-04		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	11/21/2024	15:38
17	P4938-08		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	11/21/2024	15:40

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