

Analysis Method: 9034
 Parameter: Reactive Sulfide
 Run Number: LB131554

ANALYST: Rubina
 SUPERVISOR REVIEW BY: Iwona
 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	W2977

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	PB161982BL		1	5.00	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	07/10/2024	11:45
2	P3183-02		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	07/10/2024	11:48
3	P3183-02DUP		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	07/10/2024	11:50
4	P3183-03		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.08	6.32	07/10/2024	11:53
5	P3183-04		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.04	3.18	07/10/2024	11:55
6	P3183-06		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.08	6.34	07/10/2024	11:58
7	P3183-08		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.06	4.74	07/10/2024	12:00
8	P3184-03		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.08	6.35	07/10/2024	12:03
9	P3184-06		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.06	4.77	07/10/2024	12:06
10	P3185-01		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.08	6.32	07/10/2024	12:08
11	P3185-03		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	07/10/2024	12:10
12	P3186-04		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	07/10/2024	12:13

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	W2977

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	P3187-04		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.04	3.18	07/10/2024	12:16
14	P3187-08		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.08	6.37	07/10/2024	12:19
15	P3187-12		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.06	4.74	07/10/2024	12:21

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