

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB132552

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	PB163550BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	09/23/2024	11:10
2	P4103-02		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	09/23/2024	11:13
3	P4103-02DUP		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	09/23/2024	11:15
4	P4103-05		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	09/23/2024	11:18
5	P4103-08		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.08	6.35	09/23/2024	11:20
6	P4103-11		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	09/23/2024	11:22
7	P4103-14		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	09/23/2024	11:25
8	P4103-17		1	5.01	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	09/23/2024	11:28
9	P4119-01		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.08	6.31	09/23/2024	11:30
10	P4119-03		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	09/23/2024	11:33
11	P4120-14		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	09/23/2024	11:35
12	P4121-01		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	09/23/2024	11:38

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	P4121-02		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	09/23/2024	11:40
14	P4138-02		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	09/23/2024	11:43
15	P4140-01		1	5.01	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	09/23/2024	11:45

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