

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB125760

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W2976
IODINE SOLUTION .025N 1L	W2924
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	PB153124BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	06/02/2023	11:00
2	O2972-02		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	06/02/2023	11:03
3	O2972-02DUP		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	06/02/2023	11:06
4	O2972-05		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	06/02/2023	11:08
5	O2976-02		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	06/02/2023	11:10
6	O2976-05		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	06/02/2023	11:12
7	O2977-02		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	06/02/2023	11:15
8	O2979-02		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.08	6.35	06/02/2023	11:18
9	O2981-02		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	06/02/2023	11:20
10	O2981-05		1	5.06	50	2.00	0.00	1.82	1.82	0.18	0.10	7.91	06/02/2023	11:23
11	O2981-08		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	06/02/2023	11:25
12	O2983-02		1	5.03	50	2.00	0.00	1.82	1.82	0.18	0.10	7.95	06/02/2023	11:28

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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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	O2983-04		1	5.02	50	2.00	0.00	1.84	1.84	0.16	0.08	6.37	06/02/2023	11:30
14	O2983-07		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	06/02/2023	11:33
15	O2983-09		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	06/02/2023	11:35
16	O2986-02		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	06/02/2023	11:38
17	O2986-05		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	06/02/2023	11:40
18	O2986-08		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.10	7.97	06/02/2023	11:43
19	O3001-02		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	06/02/2023	11:45
20	O3001-05		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.10	7.97	06/02/2023	11:48

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