

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB125924

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	PB153324BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	06/13/2023	15:00
2	O3096-02		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	06/13/2023	15:03
3	O3096-02DUP		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	06/13/2023	15:06
4	O3096-05		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	06/13/2023	15:08
5	O3109-02		1	5.03	50	2.00	0.00	1.82	1.82	0.18	0.10	7.95	06/13/2023	15:10
6	O3114-02		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	06/13/2023	15:13
7	O3117-03		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	06/13/2023	15:15
8	O3117-06		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	06/13/2023	15:18
9	O3136-03		1	5.03	50	2.00	0.00	1.82	1.82	0.18	0.10	7.95	06/13/2023	15:20
10	O3140-03		1	5.06	50	2.00	0.00	1.84	1.84	0.16	0.08	6.32	06/13/2023	15:23
11	O3140-06		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	06/13/2023	15:25
12	O3157-05		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	06/13/2023	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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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	03160-02		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.10	7.97	06/13/2023	15:30
14	03160-04		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	06/13/2023	15:33
15	03164-03		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	06/13/2023	15:35
16	03166-04		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	06/13/2023	15:38
17	03167-03		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	06/13/2023	15:40
18	03169-01		1	5.07	50	2.00	0.00	1.82	1.82	0.18	0.10	7.89	06/13/2023	15:43

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