

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB124640

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W2941
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	PB151546BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	03/23/2023	08:45
2	O1998-02		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	03/23/2023	08:48
3	O1998-02DUP		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	03/23/2023	08:50
4	O1998-04		1	5.06	50	2.00	0.00	1.84	1.84	0.16	0.08	6.32	03/23/2023	08:53
5	O1998-06		1	5.03	50	2.00	0.00	1.82	1.82	0.18	0.10	7.95	03/23/2023	08:56
6	O1998-08		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	03/23/2023	08:58
7	O2016-02		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	03/23/2023	09:00
8	O2018-02		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	03/23/2023	09:03
9	O2021-04		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.08	6.31	03/23/2023	09:06
10	O2021-08		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	03/23/2023	09:09
11	O2021-12		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	03/23/2023	09:12
12	O2021-16		1	5.06	50	2.00	0.00	1.82	1.82	0.18	0.10	7.91	03/23/2023	09:15

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	O2023-02		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	03/23/2023	09:18
14	O2023-04		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	03/23/2023	09:20
15	O2023-06		1	5.00	50	2.00	0.00	1.84	1.84	0.16	0.08	6.40	03/23/2023	09:23
16	O2032-03		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	03/23/2023	09:26
17	O2045-07		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	03/23/2023	09:29

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