

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB123604

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	PB150117BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	01/10/2023	09:00
2	O1009-02		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	01/10/2023	09:03
3	O1009-02DUP		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	01/10/2023	09:05
4	O1027-02		1	50.7	50	2.00	0.00	1.82	1.82	0.18	0.10	0.79	01/10/2023	09:08
5	O1029-02		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	01/10/2023	09:10
6	O1029-05		1	5.08	50	2.00	0.00	1.84	1.84	0.16	0.08	6.30	01/10/2023	09:12
7	O1030-02		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	01/10/2023	09:15
8	O1043-02		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	01/10/2023	09:17
9	O1043-05		1	5.07	50	2.00	0.00	1.82	1.82	0.18	0.10	7.89	01/10/2023	09:19
10	O1047-02		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	01/10/2023	09:21
11	O1053-02		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.08	6.35	01/10/2023	09:22
12	O1054-01		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	01/10/2023	09:25

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	O1054-02		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	01/10/2023	09:27
14	O1054-03		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	01/10/2023	09:30
15	O1054-04		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	01/10/2023	09:32
16	O1065-02		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	01/10/2023	09:35
17	O1069-02		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	01/10/2023	09:37
18	O1084-02		1	2.55	50	2.00	0.00	1.86	1.86	0.14	0.06	9.41	01/10/2023	09:40

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