

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB123987

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	PB150696BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	02/08/2023	16:50
2	O1416-02		1	5.06	50	2.00	0.00	1.84	1.84	0.16	0.08	6.32	02/08/2023	16:52
3	O1416-02DUP		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.10	7.97	02/08/2023	16:55
4	O1418-04		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	02/08/2023	16:57
5	O1418-08		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	02/08/2023	17:00
6	O1418-12		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	02/08/2023	17:02
7	O1418-16		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	02/08/2023	17:05
8	O1445-04		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	02/08/2023	17:07
9	O1445-08		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	02/08/2023	17:10
10	O1445-12		1	5.08	50	2.00	0.00	1.82	1.82	0.18	0.10	7.87	02/08/2023	17:12
11	O1462-02		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	02/08/2023	17:15
12	O1462-09		1	5.09	50	2.00	0.00	1.82	1.82	0.18	0.10	7.86	02/08/2023	17:17

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	O1462-16		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	02/08/2023	17:20
14	O1462-23		1	5.04	50	2.00	0.00	1.82	1.82	0.18	0.10	7.94	02/08/2023	17:22
15	O1463-06		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	02/08/2023	17:24
16	O1463-13		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	02/08/2023	17:26
17	O1463-20		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	02/08/2023	17:28
18	O1464-04		1	5.08	50	2.00	0.00	1.82	1.82	0.18	0.10	7.87	02/08/2023	17:30
19	O1465-02		1	5.06	50	2.00	0.00	1.82	1.82	0.18	0.10	7.91	02/08/2023	17:32

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