

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB126551

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	PB154337BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	07/21/2023	12:30
2	O3677-01		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	07/21/2023	12:33
3	O3677-01DUP		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	07/21/2023	12:35
4	O3678-01		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	07/21/2023	12:38
5	O3678-02		1	5.03	50	2.00	0.00	1.82	1.82	0.18	0.10	7.95	07/21/2023	12:40
6	O3678-03		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	07/21/2023	12:43
7	O3680-02		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	07/21/2023	12:45
8	O3681-01		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	07/21/2023	12:48
9	O3681-04		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	07/21/2023	12:50
10	O3681-07		1	5.06	50	2.00	0.00	1.82	1.82	0.18	0.10	7.91	07/21/2023	12:53
11	O3681-10		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	07/21/2023	12:55
12	O3681-13		1	5.03	50	2.00	0.00	1.82	1.82	0.18	0.10	7.95	07/21/2023	12:58

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	03681-16		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	07/21/2023	13:00
14	03681-19		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	07/21/2023	13:03
15	03681-22		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	07/21/2023	13:05
16	03682-01		1	5.06	50	2.00	0.00	1.84	1.84	0.16	0.08	6.32	07/21/2023	13:08
17	03682-02		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	07/21/2023	13:10
18	03682-03		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	07/21/2023	13:13
19	03684-01		1	5.06	50	2.00	0.00	1.82	1.82	0.18	0.10	7.91	07/21/2023	13:15

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