

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB123511

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	PB149991BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	01/03/2023	11:10
2	N6228-02		1	5.06	50	2.00	0.00	1.82	1.82	0.18	0.10	7.91	01/03/2023	11:13
3	N6228-02DUP		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	01/03/2023	11:16
4	N6228-05		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.08	6.31	01/03/2023	11:18
5	N6228-08		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	01/03/2023	11:20
6	N6228-11		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	01/03/2023	11:23
7	N6231-02		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	01/03/2023	11:26
8	N6231-05		1	5.02	50	2.00	0.00	1.84	1.84	0.16	0.08	6.37	01/03/2023	11:29
9	N6234-02		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	01/03/2023	11:32
10	N6239-02		1	5.06	50	2.00	0.00	1.84	1.84	0.16	0.08	6.32	01/03/2023	11:35
11	N6239-05		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	01/03/2023	11:38
12	N6245-02		1	5.09	50	2.00	0.00	1.84	1.84	0.16	0.08	6.29	01/03/2023	11:41

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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Normality2: 0.025

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IODINE SOLUTION .025N 1L	W2924
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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	N6248-02		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	01/03/2023	11:44
14	N6248-13		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	01/03/2023	11:46
15	O1001-02		1	5.04	50	2.00	0.00	1.82	1.82	0.18	0.10	7.94	01/03/2023	11:49
16	O1001-05		1	5.07	50	2.00	0.00	1.82	1.82	0.18	0.10	7.89	01/03/2023	11:52

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