

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB128342

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W2976
IODINE SOLUTION .025N 1L	W3050
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	PB157081BL		1	5.00	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	11/16/2023	09:40
2	O5376-02		1	5.04	50	2.00	0.00	1.92	1.92	0.08	0.02	1.59	11/16/2023	09:43
3	O5376-02DUP		1	5.04	50	2.00	0.00	1.92	1.92	0.08	0.02	1.59	11/16/2023	09:45
4	O5376-04		1	5.06	50	2.00	0.00	1.84	1.84	0.16	0.10	7.91	11/16/2023	09:48
5	O5376-06		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.08	6.37	11/16/2023	09:50
6	O5378-04		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.06	4.76	11/16/2023	09:53
7	O5379-04		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.08	6.36	11/16/2023	09:55
8	O5379-08		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	11/16/2023	09:58
9	O5379-12		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.10	7.89	11/16/2023	10:00
10	O5380-04		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.06	4.74	11/16/2023	10:03
11	O5380-08		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.06	4.78	11/16/2023	10:05
12	O5388-04		1	5.06	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	11/16/2023	10:08

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	W3050
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
13	05388-08		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.08	6.37	11/16/2023	10:10
14	05402-02		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.10	7.94	11/16/2023	10:13
15	05412-04		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.06	4.76	11/16/2023	10:15
16	05412-08		1	5.06	50	2.00	0.00	1.84	1.84	0.16	0.10	7.91	11/16/2023	10:18
17	05418-03		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.06	4.75	11/16/2023	10:20
18	05418-06		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.08	6.31	11/16/2023	10:22
19	05418-09		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.06	4.74	11/16/2023	10:25
20	05432-04		1	5.08	50	2.00	0.00	1.88	1.88	0.12	0.06	4.72	11/16/2023	10:28
21	05432-08		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.10	7.92	11/16/2023	10:30
22	05432-12		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.10	7.94	11/16/2023	10:33

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