

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB128267

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	PB156983BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	11/10/2023	10:20
2	O5279-04		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	11/10/2023	10:23
3	O5279-04DUP		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	11/10/2023	10:25
4	O5279-08		1	5.06	50	2.00	0.00	1.84	1.84	0.16	0.08	6.32	11/10/2023	10:28
5	O5291-02		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	11/10/2023	10:30
6	O5292-02		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	11/10/2023	10:33
7	O5295-04		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	11/10/2023	10:35
8	O5311-03		1	5.07	50	2.00	0.00	1.82	1.82	0.18	0.10	7.89	11/10/2023	10:38
9	O5311-06		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	11/10/2023	10:40
10	O5311-09		1	5.06	50	2.00	0.00	1.84	1.84	0.16	0.08	6.32	11/10/2023	10:43
11	O5311-12		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	11/10/2023	10:45
12	O5311-15		1	5.06	50	2.00	0.00	1.82	1.82	0.18	0.10	7.91	11/10/2023	10:48

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	05311-18		1	5.07	50	2.00	0.00	1.82	1.82	0.18	0.10	7.89	11/10/2023	10:50
14	05317-05		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	11/10/2023	10:53
15	05317-06		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	11/10/2023	10:55
16	05323-04		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	11/10/2023	10:58
17	05351-02		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	11/10/2023	11:00
18	05351-04		1	5.07	50	2.00	0.00	1.82	1.82	0.18	0.10	7.89	11/10/2023	11:03

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