

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB129426

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	PB158853BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	02/07/2024	11:00
2	P1362-04		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	02/07/2024	11:02
3	P1362-04DUP		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	02/07/2024	11:05
4	P1362-08		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.10	7.97	02/07/2024	11:08
5	P1362-12		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	02/07/2024	11:10
6	P1366-02		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	02/07/2024	11:13
7	P1366-04		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	02/07/2024	11:15
8	P1366-06		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	02/07/2024	11:18
9	P1375-02		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	02/07/2024	11:20
10	P1378-02		1	5.06	50	2.00	0.00	1.82	1.82	0.18	0.10	7.91	02/07/2024	11:23
11	P1378-04		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	02/07/2024	11:26
12	P1389-04		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	02/07/2024	11:28

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	P1389-08		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	02/07/2024	11:30
14	P1389-12		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	02/07/2024	11:33
15	P1389-16		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.08	6.35	02/07/2024	11:36

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