

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB127281

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	PB155501BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	09/14/2023	08:45
2	O4399-02		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	09/14/2023	08:48
3	O4399-02DUP		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	09/14/2023	08:50
4	O4399-04		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	09/14/2023	08:52
5	O4399-06		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	09/14/2023	08:55
6	O4400-02		1	5.04	50	2.00	0.00	1.82	1.82	0.18	0.10	7.94	09/14/2023	08:58
7	O4401-03		1	5.03	50	2.00	0.00	1.82	1.82	0.18	0.10	7.95	09/14/2023	09:00
8	O4407-01		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	09/14/2023	09:02
9	O4407-02		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	09/14/2023	09:05
10	O4407-03		1	5.06	50	2.00	0.00	1.84	1.84	0.16	0.08	6.32	09/14/2023	09:08
11	O4409-02		1	5.02	50	2.00	0.00	1.84	1.84	0.16	0.08	6.37	09/14/2023	09:10
12	O4409-05		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	09/14/2023	09:13

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	O4409-08		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.10	7.97	09/14/2023	09:15
14	O4409-11		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.08	6.35	09/14/2023	09:18
15	O4409-14		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	09/14/2023	09:20
16	O4409-17		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	09/14/2023	09:23

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