

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB128627

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	PB157597BL		1	5.00	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	12/08/2023	08:20
2	O5628-02		1	5.05	50	2.00	0.00	1.92	1.92	0.08	0.02	1.58	12/08/2023	08:23
3	O5628-02DUP		1	5.05	50	2.00	0.00	1.92	1.92	0.08	0.02	1.58	12/08/2023	08:25
4	O5628-04		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.08	6.36	12/08/2023	08:28
5	O5628-06		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.06	4.75	12/08/2023	08:30
6	O5628-08		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	12/08/2023	08:33
7	O5629-03		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.08	6.32	12/08/2023	08:35
8	O5629-06		1	5.04	50	2.00	0.00	1.92	1.92	0.08	0.02	1.59	12/08/2023	08:38
9	O5635-01		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.06	4.75	12/08/2023	08:40
10	O5635-02		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.06	4.74	12/08/2023	08:42
11	O5635-03		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	12/08/2023	08:45
12	O5635-04		1	5.08	50	2.00	0.00	1.86	1.86	0.14	0.08	6.30	12/08/2023	08:48

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	05635-05		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	12/08/2023	08:50
14	05635-06		1	5.05	50	2.00	0.00	1.92	1.92	0.08	0.02	1.58	12/08/2023	08:53
15	05635-07		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.10	7.94	12/08/2023	08:55
16	05639-02		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	12/08/2023	08:58
17	05657-02		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.08	6.34	12/08/2023	09:00
18	05671-04		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.08	6.31	12/08/2023	09:02
19	05671-08		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.06	4.74	12/08/2023	09:05

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