

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB121404

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W2843
IODINE SOLUTION .025N 1L	W2924
Starch Solution, 4L	W2766

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	PB146822BL		1	5.00	50	2.00	0.00	1.90	1.90	0.10	0.00	0.00	08/08/2022	14:45
2	N4060-08		1	5.06	50	2.00	1.90	3.78	1.88	0.12	0.02	1.58	08/08/2022	14:47
3	N4060-08DUP		1	5.04	50	2.00	3.78	5.64	1.86	0.14	0.04	3.17	08/08/2022	14:50
4	N4061-02		1	5.09	50	2.00	5.64	7.46	1.82	0.18	0.08	6.29	08/08/2022	14:52
5	N4061-04		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.06	4.73	08/08/2022	14:55
6	N4061-06		1	5.08	50	2.00	1.84	3.70	1.86	0.14	0.04	3.15	08/08/2022	14:57
7	N4061-08		1	5.04	50	2.00	3.70	5.58	1.88	0.12	0.02	1.59	08/08/2022	15:00
8	N4064-01		1	5.06	50	2.00	5.58	7.40	1.82	0.18	0.08	6.32	08/08/2022	15:02
9	N4064-02		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.04	3.17	08/08/2022	15:05
10	N4064-03		1	5.07	50	2.00	1.86	3.70	1.84	0.16	0.06	4.73	08/08/2022	15:08
11	N4064-04		1	5.06	50	2.00	3.70	5.50	1.80	0.20	0.10	7.91	08/08/2022	15:10
12	N4064-05		1	5.08	50	2.00	5.50	7.32	1.82	0.18	0.08	6.30	08/08/2022	15:12

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	N4064-06		1	5.09	50	2.00	0.00	1.84	1.84	0.16	0.06	4.72	08/08/2022	15:15
14	N4064-07		1	5.07	50	2.00	1.84	3.66	1.82	0.18	0.08	6.31	08/08/2022	15:18
15	N4064-08		1	5.04	50	2.00	3.66	5.50	1.84	0.16	0.06	4.76	08/08/2022	15:20
16	N4074-01		1	5.06	50	2.00	5.50	7.36	1.86	0.14	0.04	3.16	08/08/2022	15:22
17	N4077-01		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.02	1.58	08/08/2022	15:25
18	N4077-02		1	5.08	50	2.00	1.88	3.72	1.84	0.16	0.06	4.72	08/08/2022	15:28
19	N4081-01		1	5.07	50	2.00	3.72	5.52	1.80	0.20	0.10	7.89	08/08/2022	15:30

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