

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB121509

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	PB146970BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	08/12/2022	17:02
2	N4139-02		1	5.07	50	2.00	1.92	3.80	1.88	0.12	0.04	3.16	08/12/2022	17:05
3	N4139-02DUP		1	5.06	50	2.00	3.80	5.70	1.90	0.10	0.02	1.58	08/12/2022	17:08
4	N4141-01		1	5.09	50	2.00	5.70	7.56	1.86	0.14	0.06	4.72	08/12/2022	17:10
5	N4159-01		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.08	6.31	08/12/2022	17:12
6	N4159-02		1	5.05	50	2.00	1.84	3.72	1.88	0.12	0.04	3.17	08/12/2022	17:15
7	N4179-01		1	5.07	50	2.00	3.72	5.62	1.90	0.10	0.02	1.58	08/12/2022	17:18
8	N4188-02		1	5.09	50	2.00	5.62	7.50	1.88	0.12	0.04	3.14	08/12/2022	17:20
9	N4188-05		1	5.08	50	2.00	0.00	1.90	1.90	0.10	0.02	1.57	08/12/2022	17:22
10	N4188-08		1	5.06	50	2.00	1.90	3.76	1.86	0.14	0.06	4.74	08/12/2022	17:25
11	N4188-11		1	5.07	50	2.00	3.76	5.60	1.84	0.16	0.08	6.31	08/12/2022	17:28
12	N4188-14		1	5.09	50	2.00	5.60	7.48	1.88	0.12	0.04	3.14	08/12/2022	17:30

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

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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
13	N4188-17		1	5.08	50	2.00	0.00	1.84	1.84	0.16	0.08	6.30	08/12/2022	17:32
14	N4188-20		1	5.06	50	2.00	1.84	3.70	1.86	0.14	0.06	4.74	08/12/2022	17:35
15	N4188-23		1	5.07	50	2.00	3.70	5.60	1.90	0.10	0.02	1.58	08/12/2022	17:38
16	N4188-26		1	5.05	50	2.00	5.60	7.48	1.88	0.12	0.04	3.17	08/12/2022	17:40
17	N4191-01		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	08/12/2022	17:42
18	N4191-02		1	5.09	50	2.00	1.86	3.70	1.84	0.16	0.08	6.29	08/12/2022	17:45
19	N4191-03		1	5.08	50	2.00	3.70	5.60	1.90	0.10	0.02	1.57	08/12/2022	17:48

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