

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB121538

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	PB147042BL		1	5.00	50	2.00	0.00	1.90	1.90	0.10	0.00	0.00	08/15/2022	14:25
2	N4189-02		1	5.02	50	2.00	1.90	3.76	1.86	0.14	0.04	3.19	08/15/2022	14:28
3	N4189-02DUP		1	5.06	50	2.00	3.76	5.64	1.88	0.12	0.02	1.58	08/15/2022	14:30
4	N4189-04		1	5.05	50	2.00	5.64	7.48	1.84	0.16	0.06	4.75	08/15/2022	14:32
5	N4189-06		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.04	3.18	08/15/2022	14:35
6	N4189-08		1	5.07	50	2.00	1.86	3.74	1.88	0.12	0.02	1.58	08/15/2022	14:38
7	N4189-10		1	5.08	50	2.00	3.74	5.60	1.86	0.14	0.04	3.15	08/15/2022	14:40
8	N4189-12		1	5.06	50	2.00	5.60	7.42	1.82	0.18	0.08	6.32	08/15/2022	14:42
9	N4189-14		1	5.09	50	2.00	0.00	1.88	1.88	0.12	0.02	1.57	08/15/2022	14:45
10	N4189-16		1	5.07	50	2.00	1.88	3.72	1.84	0.16	0.06	4.73	08/15/2022	14:48
11	N4189-18		1	5.09	50	2.00	3.72	5.58	1.86	0.14	0.04	3.14	08/15/2022	14:50
12	N4189-20		1	5.08	50	2.00	5.58	7.40	1.82	0.18	0.08	6.30	08/15/2022	14:52

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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Normality2: 0.025

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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	N4200-02		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.06	4.76	08/15/2022	14:55
14	N4200-05		1	5.07	50	2.00	1.84	3.64	1.80	0.20	0.10	7.89	08/15/2022	14:58
15	N4200-08		1	5.06	50	2.00	3.64	5.50	1.86	0.14	0.04	3.16	08/15/2022	15:00
16	N4200-11		1	5.07	50	2.00	5.50	7.34	1.84	0.16	0.06	4.73	08/15/2022	15:02
17	N4200-14		1	5.09	50	2.00	0.00	1.88	1.88	0.12	0.02	1.57	08/15/2022	15:05
18	N4200-17		1	5.08	50	2.00	1.88	3.72	1.84	0.16	0.06	4.72	08/15/2022	15:08
19	N4202-02		1	5.05	50	2.00	3.72	5.58	1.86	0.14	0.04	3.17	08/15/2022	15:10
20	N4202-04		1	5.06	50	2.00	5.58	7.40	1.82	0.18	0.08	6.32	08/15/2022	15:12
21	N4211-01		1	5.07	50	2.00	0.00	1.82	1.82	0.18	0.08	6.31	08/15/2022	15:15
22	N4211-02		1	5.09	50	2.00	1.82	3.66	1.84	0.16	0.06	4.72	08/15/2022	15:18

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