

Analysis Method: 9034

ANALYST: Iwona

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: jignesh

Run Number: LB122180

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	PB147692BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	09/16/2022	12:50
2	N4597-02		1	5.06	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	09/16/2022	12:52
3	N4597-02DUP		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	09/16/2022	12:55
4	N4597-04		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	09/16/2022	12:58
5	N4597-06		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	09/16/2022	13:00
6	N4600-02		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	09/16/2022	13:03
7	N4602-01		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	09/16/2022	13:05
8	N4602-02		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	09/16/2022	13:08
9	N4602-03		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.08	6.31	09/16/2022	13:10
10	N4630-02		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	09/16/2022	13:13
11	N4630-07		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	09/16/2022	13:15
12	N4630-12		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.10	7.97	09/16/2022	13:18

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

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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	N4630-17		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	09/16/2022	13:20
14	N4630-22		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	09/16/2022	13:23
15	N4653-02		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	09/16/2022	13:25
16	N4665-01		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	09/16/2022	13:28
17	N4665-02		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	09/16/2022	13:30

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