

Analysis Method: 9034

ANALYST: Iwona

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: jignesh

Run Number: LB122102

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	PB147753BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	09/21/2022	11:10
2	N4695-01		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	09/21/2022	11:12
3	N4695-01DUP		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	09/21/2022	11:15
4	N4697-02		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	09/21/2022	11:18
5	N4697-04		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	09/21/2022	11:20
6	N4697-06		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	09/21/2022	11:23
7	N4697-08		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	09/21/2022	11:25
8	N4697-10		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	09/21/2022	11:28
9	N4697-12		1	5.07	50	2.00	0.00	1.82	1.82	0.18	0.10	7.89	09/21/2022	11:30
10	N4697-14		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	09/21/2022	11:32
11	N4697-16		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	09/21/2022	11:35
12	N4697-18		1	5.02	50	2.00	0.00	1.84	1.84	0.16	0.08	6.37	09/21/2022	11:38

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
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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	N4697-20		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	09/21/2022	11:40
14	N4716-01		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.08	6.35	09/21/2022	11:43
15	N4716-02		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	09/21/2022	11:45
16	N4718-01		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	09/21/2022	11:48
17	N4718-02		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	09/21/2022	11:50

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