

Analysis Method: 9034

ANALYST: Iwona

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: jignesh

Run Number: LB121901

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	PB147518BL		1	5.00	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	09/06/2022	14:50
2	N4485-06		1	5.06	50	2.00	1.94	3.82	1.88	0.12	0.06	4.74	09/06/2022	14:53
3	N4485-06DUP		1	5.02	50	2.00	3.82	5.72	1.90	0.10	0.04	3.19	09/06/2022	14:56
4	N4490-02		1	5.02	50	2.00	5.72	7.62	1.90	0.10	0.04	3.19	09/06/2022	14:58
5	N4490-07		1	5.04	50	2.00	7.62	9.54	1.92	0.08	0.02	1.59	09/06/2022	15:00
6	N4495-02		1	5.02	50	2.00	0.00	1.92	1.92	0.08	0.02	1.59	09/06/2022	15:03
7	N4500-02		1	5.05	50	2.00	1.92	3.82	1.90	0.10	0.04	3.17	09/06/2022	15:05
8	N4500-04		1	5.03	50	2.00	3.82	5.68	1.86	0.14	0.08	6.36	09/06/2022	15:08
9	N4500-06		1	5.07	50	2.00	5.68	7.58	1.90	0.10	0.04	3.16	09/06/2022	15:10
10	N4500-08		1	5.04	50	2.00	7.58	9.46	1.88	0.12	0.06	4.76	09/06/2022	15:13
11	N4500-10		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.06	4.77	09/06/2022	15:15
12	N4500-12		1	5.02	50	2.00	1.88	3.80	1.92	0.08	0.02	1.59	09/06/2022	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

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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	N4500-14		1	5.06	50	2.00	3.80	5.68	1.88	0.12	0.06	4.74	09/06/2022	15:20
14	N4500-16		1	5.04	50	2.00	5.68	7.58	1.90	0.10	0.04	3.17	09/06/2022	15:23
15	N4500-18		1	5.05	50	2.00	7.58	9.50	1.92	0.08	0.02	1.58	09/06/2022	15:25
16	N4500-20		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.08	6.37	09/06/2022	15:28
17	N4502-01		1	5.05	50	2.00	1.86	3.76	1.90	0.10	0.04	3.17	09/06/2022	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