

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB121365

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	PB146755BL		1	5.00	50	2.00	0.00	1.96	1.96	0.04	0.00	0.00	08/05/2022	11:15
2	N3997-11		1	5.02	50	2.00	1.96	3.88	1.92	0.08	0.04	3.19	08/05/2022	11:18
3	N3997-11DUP		1	5.04	50	2.00	3.88	5.82	1.94	0.06	0.02	1.59	08/05/2022	11:20
4	N3997-12		1	5.05	50	2.00	5.82	7.72	1.90	0.10	0.06	4.75	08/05/2022	11:22
5	N3997-13		1	5.07	50	2.00	0.00	1.94	1.94	0.06	0.02	1.58	08/05/2022	11:25
6	N3997-14		1	5.06	50	2.00	1.94	3.82	1.88	0.12	0.08	6.32	08/05/2022	11:28
7	N4017-01		1	5.03	50	2.00	3.82	5.72	1.90	0.10	0.06	4.77	08/05/2022	11:30
8	N4017-02		1	5.04	50	2.00	5.72	7.64	1.92	0.08	0.04	3.17	08/05/2022	11:32
9	N4017-03		1	5.03	50	2.00	0.00	1.94	1.94	0.06	0.02	1.59	08/05/2022	11:35
10	N4017-04		1	5.08	50	2.00	1.94	3.82	1.88	0.12	0.08	6.30	08/05/2022	11:38
11	N4017-05		1	5.09	50	2.00	3.82	5.72	1.90	0.10	0.06	4.72	08/05/2022	11:40
12	N4017-06		1	5.07	50	2.00	5.72	7.58	1.86	0.14	0.10	7.89	08/05/2022	11:42

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	N4017-07		1	5.09	50	2.00	0.00	1.92	1.92	0.08	0.04	3.14	08/05/2022	11:45
14	N4017-08		1	5.07	50	2.00	1.92	3.80	1.88	0.12	0.08	6.31	08/05/2022	11:48
15	N4017-09		1	5.06	50	2.00	3.80	5.70	1.90	0.10	0.06	4.74	08/05/2022	11:50
16	N4017-10		1	5.04	50	2.00	5.70	7.64	1.94	0.06	0.02	1.59	08/05/2022	11:52
17	N4023-02		1	5.07	50	2.00	0.00	1.92	1.92	0.08	0.04	3.16	08/05/2022	11:55
18	N4023-05		1	5.09	50	2.00	1.92	3.80	1.88	0.12	0.08	6.29	08/05/2022	11:58
19	N4023-08		1	5.08	50	2.00	3.80	5.74	1.94	0.06	0.02	1.57	08/05/2022	12:00

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