

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB101499

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
Sodium thiosulfate titrant 0.025N	WP71781
IODINE SOLUTION .025N 1L	W2410
Starch Solution, 4L	W2379

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	PB118099BL		1	5.05	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	03/20/2019	14:15
2	K1688-22		1	5.02	50	2.00	1.92	3.82	1.90	0.10	0.02	1.59	03/20/2019	14:18
3	K1688-22DUP		1	5.04	50	2.00	3.82	5.70	1.88	0.12	0.04	3.17	03/20/2019	14:20
4	K1688-24		1	5.02	50	2.00	0.00	1.80	1.80	0.20	0.12	9.56	03/20/2019	14:22
5	K1688-26		1	5.03	50	2.00	1.80	3.62	1.82	0.18	0.10	7.95	03/20/2019	14:25
6	K1688-28		1	5.04	50	2.00	3.62	5.46	1.84	0.16	0.08	6.35	03/20/2019	14:28
7	K1688-30		1	5.02	50	2.00	5.46	7.24	1.78	0.22	0.14	11.16	03/20/2019	14:30
8	K1688-32		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	03/20/2019	14:32
9	K1688-34		1	5.00	50	2.00	1.86	3.62	1.76	0.24	0.16	12.80	03/20/2019	14:35
10	K1688-36		1	5.03	50	2.00	3.62	5.42	1.80	0.20	0.12	9.54	03/20/2019	14:38
11	K1688-38		1	5.04	50	2.00	5.42	7.16	1.74	0.26	0.18	14.29	03/20/2019	14:40
12	K1688-40		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	03/20/2019	14:42

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	K1984-03		1	5.02	50	2.00	1.86	3.68	1.82	0.18	0.10	7.97	03/20/2019	14:45
14	K1984-05		1	5.04	50	2.00	3.68	5.46	1.78	0.22	0.14	11.11	03/20/2019	14:48
15	K1989-04		1	5.05	50	2.00	5.46	7.32	1.86	0.14	0.06	4.75	03/20/2019	14:50
16	K1994-01		1	5.01	50	2.00	0.00	1.82	1.82	0.18	0.10	7.98	03/20/2019	14:52
17	K1994-02		1	5.02	50	2.00	1.82	3.56	1.74	0.26	0.18	14.34	03/20/2019	14:55
18	K1994-03		1	5.04	50	2.00	3.56	5.34	1.78	0.22	0.14	11.11	03/20/2019	14:58
19	K1994-05		1	5.02	50	2.00	5.34	7.20	1.86	0.14	0.06	4.78	03/20/2019	15:02

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