

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB101816

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	PB118537BL		1	5.01	50	2.00	0.00	1.86	1.86	0.14	0.00	0.00	04/02/2019	13:45
2	K1695-07		1	5.02	50	2.00	1.86	3.70	1.84	0.16	0.02	1.59	04/02/2019	13:48
3	K1695-07DUP		1	5.04	50	2.00	3.70	5.52	1.82	0.18	0.04	3.17	04/02/2019	13:50
4	K1695-11		1	5.05	50	2.00	0.00	1.80	1.80	0.20	0.06	4.75	04/02/2019	13:52
5	K2185-03		1	5.00	50	2.00	1.80	3.62	1.82	0.18	0.04	3.20	04/02/2019	13:55
6	K2186-02		1	5.02	50	2.00	3.62	5.46	1.84	0.16	0.02	1.59	04/02/2019	13:58
7	K2186-06		1	5.03	50	2.00	5.46	7.28	1.82	0.18	0.04	3.18	04/02/2019	14:02
8	K2186-10		1	5.04	50	2.00	0.00	1.80	1.80	0.20	0.06	4.76	04/02/2019	14:05
9	K2186-14		1	5.02	50	2.00	1.80	3.58	1.78	0.22	0.08	6.37	04/02/2019	14:08
10	K2186-18		1	5.03	50	2.00	3.58	5.42	1.84	0.16	0.02	1.59	04/02/2019	14:10
11	K2186-22		1	5.00	50	2.00	5.42	7.26	1.84	0.16	0.02	1.60	04/02/2019	14:12
12	K2190-03		1	5.03	50	2.00	0.00	1.80	1.80	0.20	0.06	4.77	04/02/2019	14:15

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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13	K2190-06		1	5.04	50	2.00	1.80	3.62	1.82	0.18	0.04	3.17	04/02/2019	14:18
14	K2196-02		1	5.02	50	2.00	3.62	5.40	1.78	0.22	0.08	6.37	04/02/2019	14:20
15	K2213-02		1	5.03	50	2.00	5.40	7.20	1.80	0.20	0.06	4.77	04/02/2019	14:22
16	K2213-04		1	5.01	50	2.00	0.00	1.76	1.76	0.24	0.10	7.98	04/02/2019	14:25
17	K2213-06		1	5.03	50	2.00	1.76	3.58	1.82	0.18	0.04	3.18	04/02/2019	14:28
18	K2213-08		1	5.05	50	2.00	3.58	5.36	1.78	0.22	0.08	6.34	04/02/2019	14:32

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