

Analysis Method: 9034
 Parameter: Reactive Sulfide
 Run Number: LB108558

ANALYST: Alexander
 SUPERVISOR REVIEW BY: apatel
 Constant: 16000
 Normality1: 0.025
 Normality2: 0.025

Reagent/Standard	Lot/Log #
Sodium thiosulfate titrant 0.025N	WP82689
IODINE SOLUTION .025N 1L	W2669
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	PB127989BL		1	5.00	50	2.00	0.00	1.80	1.80	0.20	0.00	0.00	04/02/2020	16:20
2	L2103-06		1	5.03	50	2.00	1.80	3.52	1.72	0.28	0.08	6.36	04/02/2020	16:22
3	L2103-06DUP		1	5.01	50	2.00	3.52	5.30	1.78	0.22	0.02	1.60	04/02/2020	16:24
4	L2104-01		1	5.06	50	2.00	5.30	6.98	1.68	0.32	0.12	9.49	04/02/2020	16:26
5	L2104-02		1	5.04	50	2.00	6.98	8.74	1.76	0.24	0.04	3.17	04/02/2020	16:28
6	L2104-03		1	5.03	50	2.00	0.00	1.78	1.78	0.22	0.02	1.59	04/02/2020	16:32
7	L2108-06		1	5.02	50	2.00	1.78	3.48	1.70	0.30	0.10	7.97	04/02/2020	16:34
8	L2109-01		1	5.05	50	2.00	3.48	5.22	1.74	0.26	0.06	4.75	04/02/2020	16:36
9	L2109-02		1	5.06	50	2.00	5.22	7.02	1.80	0.20	0.00	0.00	04/02/2020	16:38
10	L2129-04		1	5.07	50	2.00	0.00	1.74	1.74	0.26	0.06	4.73	04/02/2020	16:42
11	L2129-09		1	5.02	50	2.00	1.74	3.50	1.76	0.24	0.04	3.19	04/02/2020	16:44
12	L2129-14		1	5.04	50	2.00	3.50	5.18	1.68	0.32	0.12	9.52	04/02/2020	16:46

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	L2129-19		1	5.04	50	2.00	5.18	6.96	1.78	0.22	0.02	1.59	04/02/2020	16:47
14	L2129-24		1	5.05	50	2.00	6.96	8.66	1.70	0.30	0.10	7.92	04/02/2020	16:49
15	L2129-29		1	5.01	50	2.00	0.00	1.66	1.66	0.34	0.14	11.18	04/02/2020	16:54
16	L2129-34		1	5.00	50	2.00	1.66	3.44	1.78	0.22	0.02	1.60	04/02/2020	16:56
17	L2129-39		1	5.04	50	2.00	3.44	5.16	1.72	0.28	0.08	6.35	04/02/2020	16:58
18	L2129-44		1	5.03	50	2.00	5.16	6.90	1.74	0.26	0.06	4.77	04/02/2020	17:00

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