

Analysis Method: 9034
 Parameter: Reactive Sulfide
 Run Number: LB108704

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

Reagent/Standard	Lot/Log #
Sodium thiosulfate titrant 0.025N	WP83473
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	PB128220BL		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.00	0.00	04/14/2020	13:15
2	L2242-04		1	5.03	50	2.00	1.84	3.64	1.80	0.20	0.04	3.18	04/14/2020	13:17
3	L2242-04DUP		1	5.01	50	2.00	3.64	5.46	1.82	0.18	0.02	1.60	04/14/2020	13:18
4	L2243-06		1	5.06	50	2.00	5.46	7.28	1.82	0.18	0.02	1.58	04/14/2020	13:19
5	L2243-13		1	5.04	50	2.00	0.00	1.78	1.78	0.22	0.06	4.76	04/14/2020	13:22
6	L2243-20		1	5.01	50	2.00	1.78	3.60	1.82	0.18	0.02	1.60	04/14/2020	13:23
7	L2244-06		1	5.02	50	2.00	3.60	5.44	1.84	0.16	0.00	0.00	04/14/2020	13:25
8	L2244-13		1	5.05	50	2.00	5.44	7.20	1.76	0.24	0.08	6.34	04/14/2020	13:26
9	L2245-09		1	5.05	50	2.00	0.00	1.80	1.80	0.20	0.04	3.17	04/14/2020	13:29
10	L2245-13		1	5.04	50	2.00	1.80	3.56	1.76	0.24	0.08	6.35	04/14/2020	13:30
11	L2245-17		1	5.03	50	2.00	3.56	5.34	1.78	0.22	0.06	4.77	04/14/2020	13:32
12	L2245-21		1	5.02	50	2.00	5.34	7.14	1.80	0.20	0.04	3.19	04/14/2020	13:34

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	L2245-25		1	5.07	50	2.00	0.00	1.82	1.82	0.18	0.02	1.58	04/14/2020	13:38
14	L2245-29		1	5.04	50	2.00	1.82	3.60	1.78	0.22	0.06	4.76	04/14/2020	13:40
15	L2245-33		1	5.04	50	2.00	3.60	5.40	1.80	0.20	0.04	3.17	04/14/2020	13:42
16	L2245-37		1	5.03	50	2.00	5.40	7.22	1.82	0.18	0.02	1.59	04/14/2020	13:43
17	L2245-40		1	5.09	50	2.00	0.00	1.74	1.74	0.26	0.10	7.86	04/14/2020	13:46
18	L2245-43		1	5.06	50	2.00	1.74	3.54	1.80	0.20	0.04	3.16	04/14/2020	13:48

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