

Analysis Method: 9034  
 Parameter: Sulfide  
 Run Number: LB105357

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

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| Sodium thiosulfate titrant 0.025N | WP77620   |
| IODINE SOLUTION .025N 1L          | W2508     |
| 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) | AnalDate   | Anal Time |
|-----|-------------|-------------------|----|--------------------|-------------------|---------|------------|----------|---------------|-------------------|----------------------------|--------------|------------|-----------|
| 1   | PB123435BL  |                   | 1  | 5.05               | 50                | 5.00    | 0.00       | 4.78     | 4.78          | 0.22              | 0.00                       | 0.00         | 09/27/2019 | 12:05     |
| 2   | PB123435BS  | 250               | 1  | 5.02               | 50                | 5.00    | 4.78       | 7.04     | 2.26          | 2.74              | 2.52                       | 200.80       | 09/27/2019 | 12:08     |
| 3   | K5038-01    |                   | 1  | 5.02               | 50                | 5.00    | 0.00       | 4.72     | 4.72          | 0.28              | 0.06                       | 4.78         | 09/27/2019 | 12:12     |
| 4   | K5038-01DUP |                   | 1  | 5.04               | 50                | 5.00    | 4.72       | 9.46     | 4.74          | 0.26              | 0.04                       | 3.17         | 09/27/2019 | 12:15     |
| 5   | K5038-01MS  | 250               | 1  | 5.05               | 50                | 5.00    | 0.00       | 3.26     | 3.26          | 1.74              | 1.52                       | 120.40       | 09/27/2019 | 12:18     |
| 6   | K5038-01MSD | 250               | 1  | 5.05               | 50                | 5.00    | 3.26       | 6.50     | 3.24          | 1.76              | 1.54                       | 121.98       | 09/27/2019 | 12:22     |
| 7   | K5038-03    |                   | 1  | 5.02               | 50                | 5.00    | 0.00       | 4.74     | 4.74          | 0.26              | 0.04                       | 3.19         | 09/27/2019 | 12:25     |
| 8   | K5038-05    |                   | 1  | 5.03               | 50                | 5.00    | 4.74       | 9.12     | 4.38          | 0.62              | 0.40                       | 31.81        | 09/27/2019 | 12:28     |
| 9   | K5038-07    |                   | 1  | 5.03               | 50                | 5.00    | 0.00       | 4.70     | 4.70          | 0.30              | 0.08                       | 6.36         | 09/27/2019 | 12:32     |
| 10  | K5038-09    |                   | 1  | 5.04               | 50                | 5.00    | 4.70       | 9.14     | 4.44          | 0.56              | 0.34                       | 26.98        | 09/27/2019 | 12:35     |
| 11  | K5038-11    |                   | 1  | 5.02               | 50                | 5.00    | 0.00       | 4.76     | 4.76          | 0.24              | 0.02                       | 1.59         | 09/27/2019 | 12:38     |

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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|-----|----------|-------------------|----|--------------------|-------------------|---------|------------|----------|---------------|-------------------|----------------------------|--------------|------------|-----------|
| 12  | K5060-01 |                   | 1  | 5.04               | 50                | 5.00    | 4.76       | 9.12     | 4.36          | 0.64              | 0.42                       | 33.33        | 09/27/2019 | 12:42     |

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