

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB135511

Constant: 16000

Normality1: 0.025

Normality2: 0.025

| Reagent/Standard                   | Lot/Log # |
|------------------------------------|-----------|
| SODIUM THIOSULFATE, 0.025N, 4LITRE | W3105     |
| IODINE SOLUTION .025N 1L           | W3114     |
| Starch Solution, 4L                | W3149     |

| 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   | PB167683BL  |                   | 1  | 5.00               | 50                | 2.00    | 0.00       | 1.94     | 1.94          | 0.06              | 0.00                       | 0.00         | 04/21/2025 | 15:40     |
| 2   | Q1832-06    |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.92     | 1.92          | 0.08              | 0.02                       | 1.59         | 04/21/2025 | 15:43     |
| 3   | Q1832-06DUP |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.92     | 1.92          | 0.08              | 0.02                       | 1.59         | 04/21/2025 | 15:46     |
| 4   | Q1832-12    |                   | 1  | 5.03               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.08                       | 6.36         | 04/21/2025 | 15:48     |
| 5   | Q1832-18    |                   | 1  | 5.08               | 50                | 2.00    | 0.00       | 1.90     | 1.90          | 0.10              | 0.04                       | 3.15         | 04/21/2025 | 15:50     |
| 6   | Q1832-24    |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.88     | 1.88          | 0.12              | 0.06                       | 4.78         | 04/21/2025 | 15:52     |
| 7   | Q1832-30    |                   | 1  | 5.01               | 50                | 2.00    | 0.00       | 1.92     | 1.92          | 0.08              | 0.02                       | 1.60         | 04/21/2025 | 15:55     |
| 8   | Q1832-36    |                   | 1  | 5.05               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.08                       | 6.34         | 04/21/2025 | 15:58     |
| 9   | Q1832-42    |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.90     | 1.90          | 0.10              | 0.04                       | 3.19         | 04/21/2025 | 16:00     |
| 10  | Q1842-06    |                   | 1  | 5.07               | 50                | 2.00    | 0.00       | 1.88     | 1.88          | 0.12              | 0.06                       | 4.73         | 04/21/2025 | 16:03     |
| 11  | Q1842-12    |                   | 1  | 5.02               | 50                | 2.00    | 0.00       | 1.88     | 1.88          | 0.12              | 0.06                       | 4.78         | 04/21/2025 | 16:06     |
| 12  | Q1842-18    |                   | 1  | 5.03               | 50                | 2.00    | 0.00       | 1.90     | 1.90          | 0.10              | 0.04                       | 3.18         | 04/21/2025 | 16:08     |

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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Normality1: 0.025

Normality2: 0.025

| Reagent/Standard                   | Lot/Log # |
|------------------------------------|-----------|
| SODIUM THIOSULFATE, 0.025N, 4LITRE | W3105     |
| IODINE SOLUTION .025N 1L           | W3114     |
| Starch Solution, 4L                | W3149     |

| 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  | Q1842-24 |                   | 1  | 5.07               | 50                | 2.00    | 0.00       | 1.90     | 1.90          | 0.10              | 0.04                       | 3.16         | 04/21/2025 | 16:10     |
| 14  | Q1842-30 |                   | 1  | 5.03               | 50                | 2.00    | 0.00       | 1.86     | 1.86          | 0.14              | 0.08                       | 6.36         | 04/21/2025 | 16:13     |
| 15  | Q1842-36 |                   | 1  | 5.01               | 50                | 2.00    | 0.00       | 1.88     | 1.88          | 0.12              | 0.06                       | 4.79         | 04/21/2025 | 16:15     |
| 16  | Q1842-42 |                   | 1  | 5.07               | 50                | 2.00    | 0.00       | 1.90     | 1.90          | 0.10              | 0.04                       | 3.16         | 04/21/2025 | 16:18     |

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