

**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

|                                             |                                     |                                                            |
|---------------------------------------------|-------------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>G Environmental</u>       | <b>level:</b> <u>low</u>            | <b>sdg no.:</b> <u>Q1574</u>                               |
| <b>contract:</b> <u>GENV01</u>              | <b>lab code:</b> <u>CHEM</u>        | <b>case no.:</b> <u>Q1574</u> <b>sas no.:</b> <u>Q1574</u> |
| <b>matrix:</b> <u>Water</u>                 | <b>sample id:</b> <u>Q1568-04</u>   | <b>client id:</b> <u>JC-03-03132025MS</u>                  |
| <b>Percent Solids for Sample:</b> <u>NA</u> | <b>Spiked ID:</b> <u>Q1568-04MS</u> | <b>Percent Solids for Spike Sample:</b> <u>NA</u>          |

| Analyte  | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Arsenic  | ug/L  | 75 - 125               | 4220             |   | 100              | U | 4000           | 106           |      | P  |
| Barium   | ug/L  | 75 - 125               | 2690             |   | 1710             |   | 1000           | 98            |      | P  |
| Cadmium  | ug/L  | 75 - 125               | 1000             |   | 2.07             | J | 1000           | 100           |      | P  |
| Chromium | ug/L  | 75 - 125               | 2130             |   | 50.0             | U | 2000           | 106           |      | P  |
| Lead     | ug/L  | 75 - 125               | 4920             |   | 70.8             |   | 5000           | 97            |      | P  |
| Mercury  | ug/L  | 82 - 119               | 39.4             |   | 2.00             | U | 40.0           | 98            |      | CV |
| Selenium | ug/L  | 75 - 125               | 10200            |   | 100              | U | 10000          | 102           |      | P  |
| Silver   | ug/L  | 75 - 125               | 396              |   | 50.0             | U | 380            | 104           |      | P  |

**metals**  
**- 5a -**  
**MATRIX SPIKE DUPLICATE SUMMARY**

|                                             |                                      |                                                            |
|---------------------------------------------|--------------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>G Environmental</u>       | <b>level:</b> <u>low</u>             | <b>sdg no.:</b> <u>Q1574</u>                               |
| <b>contract:</b> <u>GENV01</u>              | <b>lab code:</b> <u>CHEM</u>         | <b>case no.:</b> <u>Q1574</u> <b>sas no.:</b> <u>Q1574</u> |
| <b>matrix:</b> <u>Water</u>                 | <b>sample id:</b> <u>Q1568-04</u>    | <b>client id:</b> <u>JC-03-03132025MSD</u>                 |
| <b>Percent Solids for Sample:</b> <u>NA</u> | <b>Spiked ID:</b> <u>Q1568-04MSD</u> | <b>Percent Solids for Spike Sample:</b> <u>NA</u>          |

| Analyte  | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|----|
| Arsenic  | ug/L  | 75 - 125               | 4250          |   | 100              | U | 4000           | 106           |      | P  |
| Barium   | ug/L  | 75 - 125               | 2680          |   | 1710             |   | 1000           | 97            |      | P  |
| Cadmium  | ug/L  | 75 - 125               | 1010          |   | 2.07             | J | 1000           | 101           |      | P  |
| Chromium | ug/L  | 75 - 125               | 2150          |   | 50.0             | U | 2000           | 108           |      | P  |
| Lead     | ug/L  | 75 - 125               | 4950          |   | 70.8             |   | 5000           | 98            |      | P  |
| Mercury  | ug/L  | 82 - 119               | 38.9          |   | 2.00             | U | 40.0           | 97            |      | CV |
| Selenium | ug/L  | 75 - 125               | 10300         |   | 100              | U | 10000          | 103           |      | P  |
| Silver   | ug/L  | 75 - 125               | 400           |   | 50.0             | U | 380            | 105           |      | P  |