

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

**client:** Weston Solutions **level:** low **sdg no.:** Q1569  
**contract:** WEST04 **lab code:** CHEM **case no.:** Q1569 **sas no.:** Q1569  
**matrix:** Water **sample id:** Q1568-04 **client id:** JC-03-03132025MS  
**Percent Solids for Sample:** NA **Spiked ID:** Q1568-04MS **Percent Solids for Spike Sample:** NA

| Analyte  | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Arsenic  | ug/L  | 87 - 113               | 4220             |   | 100              | U | 4000           | 106           |      | P  |
| Barium   | ug/L  | 88 - 113               | 2690             |   | 1710             |   | 1000           | 98            |      | P  |
| Cadmium  | ug/L  | 88 - 113               | 1000             |   | 2.07             | J | 1000           | 100           |      | P  |
| Chromium | ug/L  | 90 - 113               | 2130             |   | 50.0             | U | 2000           | 106           |      | P  |
| Lead     | ug/L  | 86 - 113               | 4920             |   | 70.8             |   | 5000           | 97            |      | P  |
| Mercury  | ug/L  | 82 - 119               | 39.4             |   | 2.00             | U | 40.0           | 98            |      | CV |
| Selenium | ug/L  | 83 - 114               | 10200            |   | 100              | U | 10000          | 102           |      | P  |
| Silver   | ug/L  | 84 - 115               | 396              |   | 50.0             | U | 380            | 104           |      | P  |

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

|                                   |                         |                   |                 |                                         |                          |
|-----------------------------------|-------------------------|-------------------|-----------------|-----------------------------------------|--------------------------|
| <b>client:</b>                    | <u>Weston Solutions</u> | <b>level:</b>     | <u>low</u>      | <b>sdg no.:</b>                         | <u>Q1569</u>             |
| <b>contract:</b>                  | <u>WEST04</u>           | <b>lab code:</b>  | <u>CHEM</u>     | <b>case no.:</b>                        | <u>Q1569</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> | NA                      | <b>Spiked ID:</b> | Q1568-04MSD     | <b>Percent Solids for Spike Sample:</b> | NA                       |

| Analyte  | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|----|
| Arsenic  | ug/L  | 87 - 113               | 4250          |   | 100              | U | 4000           | 106           |      | P  |
| Barium   | ug/L  | 88 - 113               | 2680          |   | 1710             |   | 1000           | 97            |      | P  |
| Cadmium  | ug/L  | 88 - 113               | 1010          |   | 2.07             | J | 1000           | 101           |      | P  |
| Chromium | ug/L  | 90 - 113               | 2150          |   | 50.0             | U | 2000           | 108           |      | P  |
| Lead     | ug/L  | 86 - 113               | 4950          |   | 70.8             |   | 5000           | 98            |      | P  |
| Mercury  | ug/L  | 82 - 119               | 38.9          |   | 2.00             | U | 40.0           | 97            |      | CV |
| Selenium | ug/L  | 83 - 114               | 10300         |   | 100              | U | 10000          | 103           |      | P  |
| Silver   | ug/L  | 84 - 115               | 400           |   | 50.0             | U | 380            | 105           |      | P  |