

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

**client:** Core Environmental Consultants and Service    **level:** low    **sdg no.:** Q2681  
**contract:** CORE02    **lab code:** ACE  
**matrix:** Water    **sample id:** Q2691-08    **client id:** 299MS  
**Percent Solids for Sample:** NA    **Spiked ID:** Q2691-08MS    **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  | 75 - 125               | 3830             |   | 32.2             | J | 4000           | 95            |      | P  |
| Barium   | ug/L  | 75 - 125               | 1810             |   | 922              |   | 1000           | 89            |      | P  |
| Cadmium  | ug/L  | 75 - 125               | 835              |   | 4.21             | J | 1000           | 83            |      | P  |
| Chromium | ug/L  | 75 - 125               | 1840             |   | 50.0             | U | 2000           | 92            |      | P  |
| Lead     | ug/L  | 75 - 125               | 4320             |   | 14.6             | J | 5000           | 86            |      | P  |
| Mercury  | ug/L  | 75 - 125               | 44.5             |   | 2.00             | U | 40.0           | 111           |      | CV |
| Selenium | ug/L  | 75 - 125               | 9550             |   | 100              | U | 10000          | 96            |      | P  |
| Silver   | ug/L  | 75 - 125               | 357              |   | 50.0             | U | 380            | 94            |      | P  |

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

|                                                                  |                                      |                                                   |
|------------------------------------------------------------------|--------------------------------------|---------------------------------------------------|
| <b>client:</b> <u>Core Environmental Consultants and Service</u> | <b>level:</b> <u>low</u>             | <b>sdg no.:</b> <u>Q2681</u>                      |
| <b>contract:</b> <u>CORE02</u>                                   |                                      | <b>lab code:</b> <u>ACE</u>                       |
| <b>matrix:</b> <u>Water</u>                                      | <b>sample id:</b> <u>Q2691-08</u>    | <b>client id:</b> <u>299MSD</u>                   |
| <b>Percent Solids for Sample:</b> <u>NA</u>                      | <b>Spiked ID:</b> <u>Q2691-08MSD</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               | 3750          |   | 32.2             | J | 4000           | 93            |      | P  |
| Barium   | ug/L  | 75 - 125               | 1760          |   | 922              |   | 1000           | 84            |      | P  |
| Cadmium  | ug/L  | 75 - 125               | 805           |   | 4.21             | J | 1000           | 80            |      | P  |
| Chromium | ug/L  | 75 - 125               | 1780          |   | 50.0             | U | 2000           | 89            |      | P  |
| Lead     | ug/L  | 75 - 125               | 4200          |   | 14.6             | J | 5000           | 84            |      | P  |
| Mercury  | ug/L  | 75 - 125               | 46.9          |   | 2.00             | U | 40.0           | 117           |      | CV |
| Selenium | ug/L  | 75 - 125               | 9390          |   | 100              | U | 10000          | 94            |      | P  |
| Silver   | ug/L  | 75 - 125               | 349           |   | 50.0             | U | 380            | 92            |      | P  |