

**metals**  
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**MATRIX SPIKE SUMMARY**

|                                             |                                     |                                                            |
|---------------------------------------------|-------------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>ENTACT</u>                | <b>level:</b> <u>low</u>            | <b>sdg no.:</b> <u>Q1666</u>                               |
| <b>contract:</b> <u>ENTA05</u>              | <b>lab code:</b> <u>CHEM</u>        | <b>case no.:</b> <u>Q1666</u> <b>sas no.:</b> <u>Q1666</u> |
| <b>matrix:</b> <u>Water</u>                 | <b>sample id:</b> <u>Q1690-01</u>   | <b>client id:</b> <u>MW112010MS</u>                        |
| <b>Percent Solids for Sample:</b> <u>NA</u> | <b>Spiked ID:</b> <u>Q1690-01MS</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  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Cadmium | ug/L  | 75 - 125               | 86.1             |   | 0.11             | J | 100            | 86            |      | P  |
| Copper  | ug/L  | 75 - 125               | 164              |   | 25.1             |   | 150            | 92            |      | P  |
| Lead    | ug/L  | 75 - 125               | 445              |   | 30.2             |   | 500            | 83            |      | P  |
| Mercury | ug/L  | 75 - 125               | 4.17             |   | 0.20             | U | 4.0            | 104           |      | CV |
| Nickel  | ug/L  | 75 - 125               | 227              |   | 6.49             | J | 250            | 88            |      | P  |
| Zinc    | ug/L  | 75 - 125               | 172              |   | 85.5             |   | 100            | 86            |      | P  |

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

**client:** ENTACT **level:** low **sdg no.:** Q1666  
**contract:** ENTA05 **lab code:** CHEM **case no.:** Q1666 **sas no.:** Q1666  
**matrix:** Water **sample id:** Q1690-01 **client id:** MW112010MSD  
**Percent Solids for Sample:** NA **Spiked ID:** Q1690-01MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|----|
| Cadmium | ug/L  | 75 - 125               | 84.8          |   | 0.11             | J | 100            | 85            |      | P  |
| Copper  | ug/L  | 75 - 125               | 161           |   | 25.1             |   | 150            | 90            |      | P  |
| Lead    | ug/L  | 75 - 125               | 439           |   | 30.2             |   | 500            | 82            |      | P  |
| Mercury | ug/L  | 75 - 125               | 4.08          |   | 0.20             | U | 4.0            | 102           |      | CV |
| Nickel  | ug/L  | 75 - 125               | 225           |   | 6.49             | J | 250            | 87            |      | P  |
| Zinc    | ug/L  | 75 - 125               | 172           |   | 85.5             |   | 100            | 87            |      | P  |