

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

|                                             |                                     |                                                            |
|---------------------------------------------|-------------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>ENTACT</u>                | <b>level:</b> <u>low</u>            | <b>sdg no.:</b> <u>Q1822</u>                               |
| <b>contract:</b> <u>ENTA05</u>              | <b>lab code:</b> <u>CHEM</u>        | <b>case no.:</b> <u>Q1822</u> <b>sas no.:</b> <u>Q1822</u> |
| <b>matrix:</b> <u>Water</u>                 | <b>sample id:</b> <u>Q1814-01</u>   | <b>client id:</b> <u>A3729MS</u>                           |
| <b>Percent Solids for Sample:</b> <u>NA</u> | <b>Spiked ID:</b> <u>Q1814-01MS</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               | 90.3             |   | 3.00             | U | 100            | 90            |      | P |
| Copper  | ug/L  | 75 - 125               | 149              |   | 14.8             |   | 150            | 89            |      | P |
| Lead    | ug/L  | 75 - 125               | 443              |   | 4.82             | J | 500            | 88            |      | P |
| Nickel  | ug/L  | 75 - 125               | 225              |   | 5.30             | J | 250            | 88            |      | P |
| Zinc    | ug/L  | 75 - 125               | 127              |   | 36.1             |   | 100            | 90            |      | P |

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**MATRIX SPIKE DUPLICATE SUMMARY**

|                                             |                                      |                                                            |
|---------------------------------------------|--------------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>ENTACT</u>                | <b>level:</b> <u>low</u>             | <b>sdg no.:</b> <u>Q1822</u>                               |
| <b>contract:</b> <u>ENTA05</u>              | <b>lab code:</b> <u>CHEM</u>         | <b>case no.:</b> <u>Q1822</u> <b>sas no.:</b> <u>Q1822</u> |
| <b>matrix:</b> <u>Water</u>                 | <b>sample id:</b> <u>Q1814-01</u>    | <b>client id:</b> <u>A3729MSD</u>                          |
| <b>Percent Solids for Sample:</b> <u>NA</u> | <b>Spiked ID:</b> <u>Q1814-01MSD</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 |
|---------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Cadmium | ug/L  | 75 - 125               | 91.3          |   | 3.00             | U | 100            | 91            |      | P |
| Copper  | ug/L  | 75 - 125               | 150           |   | 14.8             |   | 150            | 90            |      | P |
| Lead    | ug/L  | 75 - 125               | 447           |   | 4.82             | J | 500            | 88            |      | P |
| Nickel  | ug/L  | 75 - 125               | 228           |   | 5.30             | J | 250            | 89            |      | P |
| Zinc    | ug/L  | 75 - 125               | 127           |   | 36.1             |   | 100            | 91            |      | P |

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**MATRIX SPIKE SUMMARY**

**client:** ENTACT **level:** low **sdg no.:** Q1822  
**contract:** ENTA05 **lab code:** CHEM **case no.:** Q1822 **sas no.:** Q1822  
**matrix:** Water **sample id:** Q1822-01 **client id:** TW-WTS-06MS  
**Percent Solids for Sample:** NA **Spiked ID:** Q1822-01MS **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  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 75 - 125               | 3.57             |   | 0.20             | U | 4.0            | 89            |      | CV |

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**MATRIX SPIKE DUPLICATE SUMMARY**

|                                   |               |                   |                    |                                         |                     |                 |              |
|-----------------------------------|---------------|-------------------|--------------------|-----------------------------------------|---------------------|-----------------|--------------|
| <b>client:</b>                    | <u>ENTACT</u> | <b>level:</b>     | <u>low</u>         | <b>sdg no.:</b>                         | <u>Q1822</u>        |                 |              |
| <b>contract:</b>                  | <u>ENTA05</u> | <b>lab code:</b>  | <u>CHEM</u>        | <b>case no.:</b>                        | <u>Q1822</u>        | <b>sas no.:</b> | <u>Q1822</u> |
| <b>matrix:</b>                    | <u>Water</u>  | <b>sample id:</b> | <u>Q1822-01</u>    | <b>client id:</b>                       | <u>TW-WTS-06MSD</u> |                 |              |
| <b>Percent Solids for Sample:</b> | <u>NA</u>     | <b>Spiked ID:</b> | <u>Q1822-01MSD</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  |
|---------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 75 - 125               | 3.54          |   | 0.20             | U | 4.0            | 88            |      | CV |