

**Metals**

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**DUPLICATE SAMPLE SUMMARY**

|                                   |                                          |                     |                 |                                         |                       |
|-----------------------------------|------------------------------------------|---------------------|-----------------|-----------------------------------------|-----------------------|
| <b>Client:</b>                    | <u>Remington &amp; Vernick Engineers</u> | <b>Level:</b>       | <u>LOW</u>      | <b>SDG No.:</b>                         | <u>Q3495</u>          |
| <b>Contract:</b>                  | <u>REMI02</u>                            |                     |                 | <b>Lab Code:</b>                        | <u>ACE</u>            |
| <b>Matrix:</b>                    | <u>Water</u>                             | <b>Sample ID:</b>   | <u>Q3484-01</u> | <b>Client ID:</b>                       | <u>TRE-25-0118DUP</u> |
| <b>Percent Solids for Sample:</b> | NA                                       | <b>Duplicate ID</b> | Q3484-01DUP     | <b>Percent Solids for Spike Sample:</b> | NA                    |

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | C | Duplicate<br>Result | C | RPD | Qual | M  |
|---------|-------|---------------------|------------------|---|---------------------|---|-----|------|----|
| Mercury | ug/L  | 20                  | 0.12             | J | 0.17                | J | 37  |      | CV |

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**DUPLICATE SAMPLE SUMMARY**

|                                   |                                          |                     |                   |                                         |                       |
|-----------------------------------|------------------------------------------|---------------------|-------------------|-----------------------------------------|-----------------------|
| <b>Client:</b>                    | <u>Remington &amp; Vernick Engineers</u> | <b>Level:</b>       | <u>LOW</u>        | <b>SDG No.:</b>                         | <u>Q3495</u>          |
| <b>Contract:</b>                  | <u>REMI02</u>                            |                     |                   | <b>Lab Code:</b>                        | <u>ACE</u>            |
| <b>Matrix:</b>                    | <u>Water</u>                             | <b>Sample ID:</b>   | <u>Q3484-01MS</u> | <b>Client ID:</b>                       | <u>TRE-25-0118MSD</u> |
| <b>Percent Solids for Sample:</b> | NA                                       | <b>Duplicate ID</b> | Q3484-01MSD       | <b>Percent Solids for Spike Sample:</b> | NA                    |

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | C | Duplicate<br>Result | C | RPD | Qual | M  |
|---------|-------|---------------------|------------------|---|---------------------|---|-----|------|----|
| Mercury | ug/L  | 20                  | 3.83             |   | 3.54                |   | 8   |      | CV |

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**DUPLICATE SAMPLE SUMMARY**

**Client:** Remington & Vernick Engineers      **Level:** LOW      **SDG No.:** Q3495  
**Contract:** REMI02      **Lab Code:** ACE  
**Matrix:** Solid      **Sample ID:** Q3495-01      **Client ID:** SB-1025-1DUP

**Percent Solids for Sample:** 76.2      **Duplicate ID** Q3495-01DUP      **Percent Solids for Spike Sample:** 76.2

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Aluminum  | mg/Kg | 20               | 3700          |   | 3770             |   | 2   |      | P  |
| Antimony  | mg/Kg | 20               | 2.96          | U | 2.90             | U |     |      | P  |
| Arsenic   | mg/Kg | 20               | 4.36          |   | 4.44             |   | 2   |      | P  |
| Barium    | mg/Kg | 20               | 9.51          |   | 9.63             |   | 1   |      | P  |
| Beryllium | mg/Kg | 20               | 0.39          |   | 0.38             |   | 4   |      | P  |
| Cadmium   | mg/Kg | 20               | 0.55          |   | 0.61             |   | 9   |      | P  |
| Calcium   | mg/Kg | 20               | 466           |   | 472              |   | 1   |      | P  |
| Chromium  | mg/Kg | 20               | 14.8          |   | 15.0             |   | 1   |      | P  |
| Cobalt    | mg/Kg | 20               | 1.93          |   | 2.06             |   | 7   |      | P  |
| Copper    | mg/Kg | 20               | 4.81          |   | 4.63             |   | 4   |      | P  |
| Iron      | mg/Kg | 20               | 12200         |   | 12600            |   | 3   |      | P  |
| Lead      | mg/Kg | 20               | 7.93          |   | 7.95             |   | 0   |      | P  |
| Magnesium | mg/Kg | 20               | 709           |   | 701              |   | 1   |      | P  |
| Manganese | mg/Kg | 20               | 23.2          |   | 23.1             |   | 0   |      | P  |
| Mercury   | mg/Kg | 20               | 0.027         |   | 0.026            |   | 4   |      | CV |
| Nickel    | mg/Kg | 20               | 4.98          |   | 5.27             |   | 6   |      | P  |
| Potassium | mg/Kg | 20               | 585           |   | 599              |   | 2   |      | P  |
| Selenium  | mg/Kg | 20               | 1.18          | U | 1.16             | U |     |      | P  |
| Silver    | mg/Kg | 20               | 0.51          | J | 0.63             |   | 20  |      | P  |
| Sodium    | mg/Kg | 20               | 54.5          | J | 54.6             | J | 0   |      | P  |
| Thallium  | mg/Kg | 20               | 2.36          | U | 2.32             | U |     |      | P  |
| Vanadium  | mg/Kg | 20               | 14.7          |   | 14.7             |   | 0   |      | P  |
| Zinc      | mg/Kg | 20               | 19.4          |   | 20.5             |   | 6   |      | P  |

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## DUPLICATE SAMPLE SUMMARY

|                                   |                                          |                     |                   |                                         |                     |
|-----------------------------------|------------------------------------------|---------------------|-------------------|-----------------------------------------|---------------------|
| <b>Client:</b>                    | <u>Remington &amp; Vernick Engineers</u> | <b>Level:</b>       | <u>LOW</u>        | <b>SDG No.:</b>                         | <u>Q3495</u>        |
| <b>Contract:</b>                  | <u>REMI02</u>                            |                     |                   | <b>Lab Code:</b>                        | <u>ACE</u>          |
| <b>Matrix:</b>                    | <u>Solid</u>                             | <b>Sample ID:</b>   | <u>Q3495-01MS</u> | <b>Client ID:</b>                       | <u>SB-1025-1MSD</u> |
| <b>Percent Solids for Sample:</b> | 76.2                                     | <b>Duplicate ID</b> | Q3495-01MSD       | <b>Percent Solids for Spike Sample:</b> | 76.2                |

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Aluminum  | mg/Kg | 20               | 2240          |   | 2290             |   | 2   |      | P  |
| Antimony  | mg/Kg | 20               | 25.0          |   | 25.5             |   | 2   |      | P  |
| Arsenic   | mg/Kg | 20               | 39.7          |   | 40.5             |   | 2   |      | P  |
| Barium    | mg/Kg | 20               | 18.9          |   | 19.4             |   | 3   |      | P  |
| Beryllium | mg/Kg | 20               | 10.5          |   | 10.7             |   | 2   |      | P  |
| Cadmium   | mg/Kg | 20               | 10.5          |   | 10.7             |   | 2   |      | P  |
| Calcium   | mg/Kg | 20               | 233           |   | 238              |   | 2   |      | P  |
| Chromium  | mg/Kg | 20               | 28.6          |   | 29.0             |   | 1   |      | P  |
| Cobalt    | mg/Kg | 20               | 11.5          |   | 11.7             |   | 2   |      | P  |
| Copper    | mg/Kg | 20               | 17.7          |   | 18.0             |   | 2   |      | P  |
| Iron      | mg/Kg | 20               | 5260          |   | 5390             |   | 2   |      | P  |
| Lead      | mg/Kg | 20               | 57.1          |   | 58.2             |   | 2   |      | P  |
| Magnesium | mg/Kg | 20               | 338           |   | 344              |   | 2   |      | P  |
| Manganese | mg/Kg | 20               | 22.4          |   | 22.9             |   | 2   |      | P  |
| Mercury   | mg/Kg | 20               | 0.39          |   | 0.35             |   | 10  |      | CV |
| Nickel    | mg/Kg | 20               | 28.7          |   | 29.3             |   | 2   |      | P  |
| Potassium | mg/Kg | 20               | 819           |   | 842              |   | 3   |      | P  |
| Selenium  | mg/Kg | 20               | 94.0          |   | 95.9             |   | 2   |      | P  |
| Silver    | mg/Kg | 20               | 4.27          |   | 4.33             |   | 1   |      | P  |
| Sodium    | mg/Kg | 20               | 191           |   | 192              |   | 1   |      | P  |
| Thallium  | mg/Kg | 20               | 109           |   | 109              |   | 0   |      | P  |
| Vanadium  | mg/Kg | 20               | 23.4          |   | 23.9             |   | 2   |      | P  |
| Zinc      | mg/Kg | 20               | 15.4          |   | 15.7             |   | 2   |      | P  |

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**DUPLICATE SAMPLE SUMMARY**

**Client:** Remington & Vernick Engineers      **Level:** LOW      **SDG No.:** Q3495  
**Contract:** REMI02      **Lab Code:** ACE  
**Matrix:** Water      **Sample ID:** Q3495-03      **Client ID:** TW-1025-1DUP  
**Percent Solids for Sample:** NA      **Duplicate ID** Q3495-03DUP      **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 2530          |   | 2640             |   | 4   |      | P |
| Antimony  | ug/L  | 20               | 25.0          | U | 25.0             | U |     |      | P |
| Arsenic   | ug/L  | 20               | 10.0          | U | 10.0             | U |     |      | P |
| Barium    | ug/L  | 20               | 130           |   | 138              |   | 6   |      | P |
| Beryllium | ug/L  | 20               | 0.38          | J | 0.39             | J | 4   |      | P |
| Cadmium   | ug/L  | 20               | 3.00          | U | 3.00             | U |     |      | P |
| Calcium   | ug/L  | 20               | 56600         |   | 59900            |   | 6   |      | P |
| Chromium  | ug/L  | 20               | 16.6          |   | 17.5             |   | 5   |      | P |
| Cobalt    | ug/L  | 20               | 15.0          | U | 15.0             | U |     |      | P |
| Copper    | ug/L  | 20               | 10.0          | U | 10.0             | U |     |      | P |
| Iron      | ug/L  | 20               | 17300         |   | 17800            |   | 3   |      | P |
| Lead      | ug/L  | 20               | 3.49          | J | 3.77             | J | 8   |      | P |
| Magnesium | ug/L  | 20               | 22200         |   | 23600            |   | 6   |      | P |
| Manganese | ug/L  | 20               | 88.2          |   | 110              |   | 22  | *    | P |
| Nickel    | ug/L  | 20               | 3.61          | J | 4.32             | J | 18  |      | P |
| Potassium | ug/L  | 20               | 17200         |   | 20200            |   | 16  |      | P |
| Selenium  | ug/L  | 20               | 10.0          | U | 10.0             | U |     |      | P |
| Silver    | ug/L  | 20               | 5.00          | U | 5.00             | U |     |      | P |
| Sodium    | ug/L  | 20               | 122000        |   | 128000           |   | 5   |      | P |
| Thallium  | ug/L  | 20               | 20.0          | U | 20.0             | U |     |      | P |
| Vanadium  | ug/L  | 20               | 13.1          | J | 9.48             | J | 32  |      | P |
| Zinc      | ug/L  | 20               | 10.2          | J | 18.5             | J | 58  |      | P |

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**DUPLICATE SAMPLE SUMMARY**

|                                   |                                          |                     |                   |                                         |                     |
|-----------------------------------|------------------------------------------|---------------------|-------------------|-----------------------------------------|---------------------|
| <b>Client:</b>                    | <u>Remington &amp; Vernick Engineers</u> | <b>Level:</b>       | <u>LOW</u>        | <b>SDG No.:</b>                         | <u>Q3495</u>        |
| <b>Contract:</b>                  | <u>REMI02</u>                            |                     |                   | <b>Lab Code:</b>                        | <u>ACE</u>          |
| <b>Matrix:</b>                    | <u>Water</u>                             | <b>Sample ID:</b>   | <u>Q3495-03MS</u> | <b>Client ID:</b>                       | <u>TW-1025-1MSD</u> |
| <b>Percent Solids for Sample:</b> | NA                                       | <b>Duplicate ID</b> | Q3495-03MSD       | <b>Percent Solids for Spike Sample:</b> | NA                  |

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 4810          |   | 4670             |   | 3   |      | P |
| Antimony  | ug/L  | 20               | 379           |   | 374              |   | 1   |      | P |
| Arsenic   | ug/L  | 20               | 398           |   | 392              |   | 2   |      | P |
| Barium    | ug/L  | 20               | 230           |   | 230              |   | 0   |      | P |
| Beryllium | ug/L  | 20               | 97.2          |   | 97.4             |   | 0   |      | P |
| Cadmium   | ug/L  | 20               | 94.5          |   | 93.2             |   | 1   |      | P |
| Calcium   | ug/L  | 20               | 59100         |   | 57800            |   | 2   |      | P |
| Chromium  | ug/L  | 20               | 214           |   | 206              |   | 4   |      | P |
| Cobalt    | ug/L  | 20               | 97.8          |   | 96.9             |   | 1   |      | P |
| Copper    | ug/L  | 20               | 143           |   | 142              |   | 1   |      | P |
| Iron      | ug/L  | 20               | 19400         |   | 18700            |   | 4   |      | P |
| Lead      | ug/L  | 20               | 457           |   | 451              |   | 1   |      | P |
| Magnesium | ug/L  | 20               | 24100         |   | 23500            |   | 3   |      | P |
| Manganese | ug/L  | 20               | 187           |   | 187              |   | 0   |      | P |
| Nickel    | ug/L  | 20               | 247           |   | 244              |   | 1   |      | P |
| Potassium | ug/L  | 20               | 24200         |   | 23000            |   | 5   |      | P |
| Selenium  | ug/L  | 20               | 994           |   | 976              |   | 2   |      | P |
| Silver    | ug/L  | 20               | 35.9          |   | 33.6             |   | 7   |      | P |
| Sodium    | ug/L  | 20               | 126000        |   | 124000           |   | 2   |      | P |
| Thallium  | ug/L  | 20               | 911           |   | 905              |   | 1   |      | P |
| Vanadium  | ug/L  | 20               | 160           |   | 158              |   | 1   |      | P |
| Zinc      | ug/L  | 20               | 120           |   | 115              |   | 4   |      | P |