

**Metals**

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**DUPLICATE SAMPLE SUMMARY**

**Client:** Nobis Group **Level:** LOW **SDG No.:** Q1984  
**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984  
**Matrix:** Solid **Sample ID:** Q1984-15 **Client ID:** OU4-TS-28-050725DUP  
**Percent Solids for Sample:** 64.6 **Duplicate ID** Q1984-15DUP **Percent Solids for Spike Sample:** 64.6

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD   | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-------|------|---|
| Aluminum  | mg/Kg | 20               | 20400         |   | 18000            |   | 13    |      | P |
| Antimony  | mg/Kg | 20               | 3.38          | U | 3.35             | U |       |      | P |
| Arsenic   | mg/Kg | 20               | 30.2          |   | 26.0             |   | 15    |      | P |
| Barium    | mg/Kg | 20               | 123           |   | 112              |   | 9     |      | P |
| Beryllium | mg/Kg | 20               | 1.09          |   | 0.98             |   | 11    |      | P |
| Cadmium   | mg/Kg | 20               | 2.39          |   | 2.03             |   | 16    |      | P |
| Calcium   | mg/Kg | 20               | 3330          |   | 4360             |   | 27    | *    | P |
| Chromium  | mg/Kg | 20               | 28.9          |   | 27.0             |   | 7     |      | P |
| Cobalt    | mg/Kg | 20               | 19.0          |   | 17.4             |   | 9     |      | P |
| Copper    | mg/Kg | 20               | 53.7          |   | 50.1             |   | 7     |      | P |
| Iron      | mg/Kg | 20               | 32600         |   | 26900            |   | 19    |      | P |
| Lead      | mg/Kg | 20               | 35.7          |   | 32.4             |   | 10    |      | P |
| Magnesium | mg/Kg | 20               | 6820          |   | 6260             |   | 9     |      | P |
| Manganese | mg/Kg | 20               | 481           |   | 520              |   | 8     |      | P |
| Nickel    | mg/Kg | 20               | 34.7          |   | 31.0             |   | 11    |      | P |
| Potassium | mg/Kg | 20               | 6620          |   | 5590             |   | 17    |      | P |
| Selenium  | mg/Kg | 20               | 1.35          | U | 1.34             | U |       |      | P |
| Silver    | mg/Kg | 20               | 0.29          | J | 0.67             | U | 200.0 |      | P |
| Sodium    | mg/Kg | 20               | 238           |   | 245              |   | 3     |      | P |
| Thallium  | mg/Kg | 20               | 2.70          | U | 2.68             | U |       |      | P |
| Vanadium  | mg/Kg | 20               | 43.5          |   | 39.2             |   | 10    |      | P |
| Zinc      | mg/Kg | 20               | 90.7          |   | 87.4             |   | 4     |      | P |

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**DUPLICATE SAMPLE SUMMARY**

**Client:** Nobis Group **Level:** LOW **SDG No.:** Q1984  
**Contract:** NOBI03 **Lab Code:** CHEM **Case No.:** Q1984 **SAS No.:** Q1984  
**Matrix:** Solid **Sample ID:** Q1984-15MS **Client ID:** OU4-TS-28-050725MSD  
**Percent Solids for Sample:** 64.6 **Duplicate ID** Q1984-15MSD **Percent Solids for Spike Sample:** 64.6

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | mg/Kg | 20               | 17800         |   | 17100            |   | 4   |      | P |
| Antimony  | mg/Kg | 20               | 12.9          |   | 12.5             |   | 3   |      | P |
| Arsenic   | mg/Kg | 20               | 72.9          |   | 68.3             |   | 7   |      | P |
| Barium    | mg/Kg | 20               | 118           |   | 116              |   | 2   |      | P |
| Beryllium | mg/Kg | 20               | 11.7          |   | 11.2             |   | 4   |      | P |
| Cadmium   | mg/Kg | 20               | 16.0          |   | 15.1             |   | 6   |      | P |
| Calcium   | mg/Kg | 20               | 4110          |   | 4120             |   | 0   |      | P |
| Chromium  | mg/Kg | 20               | 48.3          |   | 44.8             |   | 8   |      | P |
| Cobalt    | mg/Kg | 20               | 31.2          |   | 29.5             |   | 6   |      | P |
| Copper    | mg/Kg | 20               | 62.6          |   | 60.8             |   | 3   |      | P |
| Iron      | mg/Kg | 20               | 27800         |   | 24700            |   | 12  |      | P |
| Lead      | mg/Kg | 20               | 99.8          |   | 93.8             |   | 6   |      | P |
| Magnesium | mg/Kg | 20               | 6370          |   | 6220             |   | 2   |      | P |
| Manganese | mg/Kg | 20               | 523           |   | 551              |   | 5   |      | P |
| Nickel    | mg/Kg | 20               | 65.4          |   | 60.8             |   | 7   |      | P |
| Potassium | mg/Kg | 20               | 6160          |   | 5540             |   | 11  |      | P |
| Selenium  | mg/Kg | 20               | 109           |   | 103              |   | 6   |      | P |
| Silver    | mg/Kg | 20               | 4.59          |   | 4.05             |   | 13  |      | P |
| Sodium    | mg/Kg | 20               | 413           |   | 385              |   | 7   |      | P |
| Thallium  | mg/Kg | 20               | 133           |   | 122              |   | 9   |      | P |
| Vanadium  | mg/Kg | 20               | 55.0          |   | 53.3             |   | 3   |      | P |
| Zinc      | mg/Kg | 20               | 94.7          |   | 87.7             |   | 8   |      | P |

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**DUPLICATE SAMPLE SUMMARY**

|                                   |                    |                     |                 |                                         |                   |
|-----------------------------------|--------------------|---------------------|-----------------|-----------------------------------------|-------------------|
| <b>Client:</b>                    | <u>Nobis Group</u> | <b>Level:</b>       | <u>LOW</u>      | <b>SDG No.:</b>                         | <u>Q1984</u>      |
| <b>Contract:</b>                  | <u>NOBI03</u>      | <b>Lab Code:</b>    | <u>CHEM</u>     | <b>Case No.:</b>                        | <u>Q1984</u>      |
| <b>Matrix:</b>                    | <u>Solid</u>       | <b>Sample ID:</b>   | <u>Q1986-09</u> | <b>Client ID:</b>                       | <u>VNJ-218DUP</u> |
| <b>Percent Solids for Sample:</b> | 91.3               | <b>Duplicate ID</b> | Q1986-09DUP     | <b>Percent Solids for Spike Sample:</b> | 91.3              |

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | mg/Kg | 20               | 0.20          |   | 0.19             |   | 6   |      | CV |

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**DUPLICATE SAMPLE SUMMARY**

|                                   |                    |                     |                   |                                         |                   |
|-----------------------------------|--------------------|---------------------|-------------------|-----------------------------------------|-------------------|
| <b>Client:</b>                    | <u>Nobis Group</u> | <b>Level:</b>       | <u>LOW</u>        | <b>SDG No.:</b>                         | <u>Q1984</u>      |
| <b>Contract:</b>                  | <u>NOBI03</u>      | <b>Lab Code:</b>    | <u>CHEM</u>       | <b>Case No.:</b>                        | <u>Q1984</u>      |
| <b>Matrix:</b>                    | <u>Solid</u>       | <b>Sample ID:</b>   | <u>Q1986-09MS</u> | <b>Client ID:</b>                       | <u>VNJ-218MSD</u> |
| <b>Percent Solids for Sample:</b> | 91.3               | <b>Duplicate ID</b> | Q1986-09MSD       | <b>Percent Solids for Spike Sample:</b> | 91.3              |

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | C | Duplicate<br>Result | C | RPD | Qual | M  |
|---------|-------|---------------------|------------------|---|---------------------|---|-----|------|----|
| Mercury | mg/Kg | 20                  | 0.42             |   | 0.43                |   | 2   |      | CV |