

## ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.:                      SDG No.: MBHM98Matrix : Soil Analytical Method: ICP-AES% Solids: 76.1Concentration Units ( $\mu\text{g/L}$ ,  $\text{mg/L}$  or  $\text{mg/kg}$  dry weight): mg/kg

| Analyte   | Initial Sample<br>Result (I) | Q | Serial<br>Dilution<br>Result (S) | Q | %<br>Difference | Q |
|-----------|------------------------------|---|----------------------------------|---|-----------------|---|
| Aluminum  | 5900                         |   | 6500                             |   | 11              |   |
| Antimony  | 5.3                          | J | 6.0                              | J | 13              |   |
| Arsenic   | 22                           |   | 18                               |   | 18              |   |
| Barium    | 170                          |   | 190                              |   | 9               |   |
| Beryllium | 0.86                         |   | 0.98                             | J | 14              |   |
| Cadmium   | 0.9                          |   | 0.89                             | J | 0               |   |
| Calcium   | 20000                        |   | 22000                            |   | 11              |   |
| Chromium  | 20                           |   | 22                               |   | 11              |   |
| Cobalt    | 12                           |   | 18                               | J | 54              | * |
| Copper    | 63                           |   | 65                               |   | 4               |   |
| Iron      | 20000                        |   | 22000                            |   | 11              |   |
| Lead      | 480                          |   | 470                              |   | 0               |   |
| Magnesium | 5400                         |   | 6100                             |   | 13              |   |
| Manganese | 670                          |   | 740                              |   | 12              |   |
| Nickel    | 23                           |   | 21                               | J | 7               |   |
| Potassium | 660                          |   | 730                              | J | 11              |   |
| Selenium  | 7.9                          |   | 9.1                              | J | 14              |   |
| Silver    | 1.1                          | U | 5.5                              | U |                 |   |
| Sodium    | 110                          | J | 2800                             | U | 100             |   |
| Thallium  | 2.8                          | U | 14.0                             | U |                 |   |
| Vanadium  | 21                           |   | 19                               | J | 11              |   |
| Zinc      | 370                          |   | 410                              |   | 11              |   |