

EPA SAMPLE NO.

MBHJ88L

FORM 8-IN

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51879 MA No.:  SDG No.: MBHJ70Matrix : Soil Analytical Method: ICP-AES% Solids: 83.6Concentration 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  | 12000                        |   | 13000                            |   | 8               |   |
| Antimony  | 3.2                          | J | 26.0                             | U | 100             |   |
| Arsenic   | 7.6                          |   | 7.6                              |   | 0               |   |
| Barium    | 170                          |   | 180                              |   | 8               |   |
| Beryllium | 0.92                         |   | 1.0                              | J | 11              |   |
| Cadmium   | 1.1                          |   | 0.85                             | J | 19              |   |
| Calcium   | 64000                        |   | 69000                            |   | 9               |   |
| Chromium  | 16                           |   | 18                               |   | 13              |   |
| Cobalt    | 14                           |   | 22                               |   | 59              | * |
| Copper    | 34                           |   | 32                               |   | 6               |   |
| Iron      | 24000                        |   | 26000                            |   | 12              |   |
| Lead      | 81                           |   | 85                               |   | 5               |   |
| Magnesium | 23000                        |   | 26000                            |   | 11              |   |
| Manganese | 660                          |   | 730                              |   | 12              |   |
| Nickel    | 30                           |   | 27                               |   | 7               |   |
| Potassium | 710                          |   | 710                              | J | 0               |   |
| Selenium  | 3.0                          | U | 15.0                             | U |                 |   |
| Silver    | 0.87                         | U | 4.3                              | U |                 |   |
| Sodium    | 430                          | U | 2200                             | U |                 |   |
| Thallium  | 1.1                          | J | 7.8                              | J | 616             |   |
| Vanadium  | 22                           |   | 25                               |   | 10              |   |
| Zinc      | 140                          |   | 150                              |   | 5               |   |