

EPA SAMPLE NO.

MBHMH5L

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.: MBHMF4Matrix : Soil Analytical Method: ICP-AES% Solids: 86.9Concentration 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  | 6000                         |   | 7100                             |   | 18              |   |
| Antimony  | 5.1                          | J | 5.3                              | J | 4               |   |
| Arsenic   | 14                           |   | 16                               |   | 13              |   |
| Barium    | 330                          |   | 390                              |   | 17              |   |
| Beryllium | 0.6                          |   | 0.68                             | J | 13              |   |
| Cadmium   | 1.7                          |   | 1.6                              | J | 6               |   |
| Calcium   | 14000                        |   | 16000                            |   | 17              |   |
| Chromium  | 15                           |   | 18                               |   | 17              |   |
| Cobalt    | 13                           |   | 18                               | J | 34              | * |
| Copper    | 59                           |   | 66                               |   | 12              |   |
| Iron      | 23000                        |   | 27000                            |   | 18              |   |
| Lead      | 510                          |   | 510                              |   | 0               |   |
| Magnesium | 4100                         |   | 4900                             |   | 18              |   |
| Manganese | 1700                         |   | 2000                             |   | 19              |   |
| Nickel    | 17                           |   | 16                               | J | 11              |   |
| Potassium | 710                          |   | 920                              | J | 30              |   |
| Selenium  | 11                           |   | 11                               | J | 2               |   |
| Silver    | 1.0                          | U | 5.1                              | U |                 |   |
| Sodium    | 510                          | U | 2500                             | U |                 |   |
| Thallium  | 2.5                          | U | 13.0                             | U |                 |   |
| Vanadium  | 16                           |   | 19                               | J | 17              |   |
| Zinc      | 560                          |   | 670                              |   | 20              |   |