

EPA SAMPLE NO.

MBHMX3L

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.: MBHMT4Matrix : Soil Analytical Method: ICP-AES% Solids: 86.4Concentration 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  | 6300                         |   | 7300                             |   | 15              |   |
| Antimony  | 3.0                          | J | 3.2                              | J | 4               |   |
| Arsenic   | 18                           |   | 16                               |   | 8               |   |
| Barium    | 210                          |   | 240                              |   | 14              |   |
| Beryllium | 0.85                         |   | 0.9                              | J | 5               |   |
| Cadmium   | 1.0                          |   | 0.88                             | J | 13              |   |
| Calcium   | 5100                         |   | 5800                             |   | 14              |   |
| Chromium  | 13                           |   | 15                               |   | 11              |   |
| Cobalt    | 12                           |   | 13                               | J | 7               |   |
| Copper    | 85                           |   | 99                               |   | 16              |   |
| Iron      | 17000                        |   | 19000                            |   | 13              |   |
| Lead      | 260                          |   | 240                              |   | 7               |   |
| Magnesium | 1800                         |   | 2000                             | J | 16              |   |
| Manganese | 1000                         |   | 1200                             |   | 15              |   |
| Nickel    | 18                           |   | 16                               | J | 11              |   |
| Potassium | 190                          | J | 590                              | J | 217             |   |
| Selenium  | 10                           |   | 14                               | J | 35              |   |
| Silver    | 0.84                         | U | 4.2                              | U |                 |   |
| Sodium    | 140                          | J | 2100                             | U | 100             |   |
| Thallium  | 2.1                          | U | 10.0                             | U |                 |   |
| Vanadium  | 16                           |   | 18                               | J | 12              |   |
| Zinc      | 260                          |   | 290                              |   | 12              |   |