

EPA SAMPLE NO.

MYCZN8L

FORM 8-IN

ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51779 MA No.:                      SDG No.: MYCZF9Matrix : Soil Analytical Method: ICP-AES% Solids: 99.4Concentration Units ( $\mu\text{g/L}$ ,  $\text{mg/L}$  or  $\text{mg/kg}$  dry weight): mg/kg

| Analyte   | Initial Sample<br>Result (I) |    | Serial<br>Dilution<br>Result (S) |    | %<br>Difference |   |
|-----------|------------------------------|----|----------------------------------|----|-----------------|---|
|           |                              | Q  |                                  | Q  |                 | Q |
| Aluminum  | 7000                         | D  | 7200                             | D  | 3               |   |
| Antimony  | 2.6                          | JD | 48.0                             | UD | 100             |   |
| Arsenic   | 13                           | D  | 12                               | D  | 4               |   |
| Barium    | 59                           | D  | 61                               | JD | 2               |   |
| Beryllium | 0.56                         | JD | 0.64                             | JD | 14              |   |
| Cadmium   | 0.2                          | JD | 0.27                             | JD | 38              |   |
| Calcium   | 3500                         | D  | 3600                             | JD | 4               |   |
| Chromium  | 16                           | D  | 15                               | D  | 1               |   |
| Cobalt    | 11                           | D  | 12                               | JD | 5               |   |
| Copper    | 44                           | D  | 42                               | D  | 4               |   |
| Iron      | 16000                        | D  | 17000                            | D  | 3               |   |
| Lead      | 13                           | D  | 11                               | D  | 11              |   |
| Magnesium | 4700                         | D  | 4900                             | D  | 5               |   |
| Manganese | 350                          | D  | 360                              | D  | 4               |   |
| Nickel    | 15                           | D  | 14                               | JD | 4               |   |
| Potassium | 890                          | D  | 540                              | JD | 40              |   |
| Selenium  | 7.5                          | D  | 8.4                              | JD | 11              |   |
| Silver    | 0.79                         | JD | 8.0                              | UD | 100             |   |
| Sodium    | 180                          | JD | 4000                             | UD | 100             |   |
| Thallium  | 4.0                          | UD | 20.0                             | UD |                 |   |
| Vanadium  | 38                           | D  | 35                               | JD | 6               |   |
| Zinc      | 55                           | D  | 58                               | D  | 5               |   |