

## ICP-AES AND ICP-MS SERIAL DILUTIONS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011Lab Code: ACE Case No.: 51772 MA No.:                      SDG No.: MYDB23Matrix : Soil Analytical Method: ICP-AES% Solids: 98Concentration 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  | 11000                        | D  | 12000                            | D  | 10              |   |
| Antimony  | 8.8                          | UD | 44.0                             | UD |                 |   |
| Arsenic   | 28                           | D  | 31                               | D  | 9               |   |
| Barium    | 100                          | D  | 110                              | JD | 10              |   |
| Beryllium | 0.71                         | JD | 0.85                             | JD | 20              |   |
| Cadmium   | 1.0                          | D  | 0.91                             | JD | 10              |   |
| Calcium   | 4300                         | D  | 4800                             | D  | 12              |   |
| Chromium  | 11                           | D  | 12                               | D  | 9               |   |
| Cobalt    | 13                           | D  | 13                               | JD | 1               |   |
| Copper    | 38                           | D  | 41                               | D  | 9               |   |
| Iron      | 27000                        | D  | 30000                            | D  | 12              |   |
| Lead      | 29                           | D  | 32                               | D  | 10              |   |
| Magnesium | 4700                         | D  | 5200                             | D  | 11              |   |
| Manganese | 550                          | D  | 610                              | D  | 12              |   |
| Nickel    | 15                           | D  | 16                               | JD | 4               |   |
| Potassium | 2900                         | D  | 3200                             | JD | 10              |   |
| Selenium  | 5.1                          | UD | 26.0                             | UD |                 |   |
| Silver    | 1.5                          | UD | 7.3                              | UD |                 |   |
| Sodium    | 730                          | UD | 3600                             | UD |                 |   |
| Thallium  | 3.6                          | UD | 18.0                             | UD |                 |   |
| Vanadium  | 42                           | D  | 44                               | D  | 6               |   |
| Zinc      | 99                           | D  | 110                              | D  | 13              |   |