

A6342S

FORM 5A - IN

## MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group

Contract: EPW14030

Lab Code: ACE Case No.: 51952

MA No. : SDG No.: A6313

Matrix : Soil

Analytical Method: ICP-MS

% Solids: 61.9

Concentration Units (µg/L, mg/L or mg/kg dry weight): mg/kg

| Analyte   | Control<br>Limit<br>%R | Spiked<br>Sample<br>Result (SSR) | Q | Sample<br>Result (SR) | Q | Spike Added<br>(SA) | %R    | Q |
|-----------|------------------------|----------------------------------|---|-----------------------|---|---------------------|-------|---|
| Antimony  | 75 - 125               | 10                               |   | 1.1                   | U | 12.6                | 79    |   |
| Arsenic   | 75 - 125               | 9.6                              |   | 3.5                   |   | 5.0                 | 120   |   |
| Barium    | 75 - 125               | 280                              |   | 26                    |   | 250                 | 99    |   |
| Beryllium | 75 - 125               | 6.2                              |   | 0.34                  | J | 6.3                 | 93    |   |
| Cadmium   | 75 - 125               | 6.2                              |   | 0.55                  | U | 6.3                 | 98    |   |
| Chromium  | 75 - 125               | 42                               |   | 17                    |   | 25.2                | 102   |   |
| Cobalt    | 75 - 125               | 64                               |   | 2.7                   |   | 63.1                | 98    |   |
| Copper    | 75 - 125               | 39                               |   | 6.2                   |   | 31.6                | 104   |   |
| Lead      |                        | 60                               |   | 93                    |   | 2.5                 | -1288 |   |
| Manganese | 75 - 125               | 150                              |   | 79                    |   | 63.1                | 104   |   |
| Nickel    | 75 - 125               | 74                               |   | 9.3                   |   | 63.1                | 102   |   |
| Selenium  | 75 - 125               | 2.2                              | J | 2.7                   | U | 12.6                | 17    | * |
| Silver    | 75 - 125               | 6.1                              |   | 0.55                  | U | 6.3                 | 97    |   |
| Thallium  | 75 - 125               | 5.4                              |   | 0.1                   | J | 6.3                 | 84    |   |
| Vanadium  | 75 - 125               | 76                               |   | 15                    |   | 63.1                | 98    |   |
| Zinc      | 75 - 125               | 90                               |   | 25                    |   | 63.1                | 103   |   |