

## FORM 5A - IN

## MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group

Contract: EPW14030

Lab Code: ACE Case No.: 51495

MA No. : SDG No.: MYE443

Matrix : Soil

Analytical Method: ICP-MS

% Solids: 99.1

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               | 90                               |   | 0.29                  | J | 108                 | 82  |   |
| Arsenic   | 75 - 125               | 77                               |   | 42                    |   | 43.5                | 80  |   |
| Barium    | 75 - 125               | 2200                             | D | 170                   | D | 2100                | 92  |   |
| Beryllium | 75 - 125               | 49                               |   | 0.44                  |   | 54.0                | 89  |   |
| Cadmium   | 75 - 125               | 48                               |   | 0.27                  | J | 54.0                | 89  |   |
| Chromium  | 75 - 125               | 240                              |   | 52                    |   | 216                 | 87  |   |
| Cobalt    | 75 - 125               | 580                              | D | 35                    | D | 540                 | 100 |   |
| Copper    | 75 - 125               | 290                              |   | 68                    |   | 270                 | 83  |   |
| Lead      | 75 - 125               | 35                               |   | 17                    |   | 21.0                | 81  |   |
| Nickel    | 75 - 125               | 590                              | D | 47                    | D | 540                 | 101 |   |
| Selenium  | 75 - 125               | 100                              |   | 1.8                   | U | 108                 | 92  |   |
| Silver    | 75 - 125               | 45                               |   | 0.062                 | J | 54.0                | 83  |   |
| Thallium  | 75 - 125               | 46                               |   | 0.12                  | J | 54.0                | 85  |   |
| Vanadium  | 75 - 125               | 630                              | D | 110                   | D | 540                 | 95  |   |
| Zinc      | 75 - 125               | 590                              |   | 110                   |   | 540                 | 89  |   |

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| 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               | 20                               |   | 0.29                  | J | 23.4                | 85  |   |
| Arsenic   |                        | 52                               |   | 42                    |   | 9.3                 | 107 |   |
| Barium    | 75 - 125               | 610                              | D | 170                   | D | 480                 | 94  |   |
| Beryllium | 75 - 125               | 11                               |   | 0.44                  |   | 11.7                | 91  |   |
| Cadmium   | 75 - 125               | 11                               |   | 0.27                  | J | 11.7                | 90  |   |
| Chromium  | 75 - 125               | 95                               |   | 52                    |   | 46.5                | 91  |   |
| Cobalt    | 75 - 125               | 160                              | D | 35                    | D | 116.4               | 105 |   |
| Copper    | 75 - 125               | 120                              |   | 68                    |   | 58.2                | 86  |   |
| Lead      | 75 - 125               | 22                               |   | 17                    |   | 4.8                 | 99  |   |
| Nickel    | 75 - 125               | 170                              | D | 47                    | D | 116.4               | 108 |   |
| Selenium  | 75 - 125               | 22                               |   | 1.8                   | U | 23.4                | 94  |   |
| Silver    | 75 - 125               | 10                               |   | 0.062                 | J | 11.7                | 85  |   |
| Thallium  | 75 - 125               | 9.3                              |   | 0.12                  | J | 11.7                | 79  |   |
| Vanadium  | 75 - 125               | 240                              | D | 110                   | D | 116.4               | 105 |   |
| Zinc      | 75 - 125               | 220                              |   | 110                   |   | 116.4               | 90  |   |