

## FORM 5A - IN

## MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group

Contract: EPW14030

Lab Code: ACE Case No.: 51817

MA No. : SDG No.: MYE4Y7

Matrix : Soil

Analytical Method: ICP-MS

% Solids: 98.5

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

| Analyte   | Control Limit<br>%R | Spiked Sample<br>Result (SSR) Q | Sample Result (SR) Q | Spike Added (SA) | %R  | Q |
|-----------|---------------------|---------------------------------|----------------------|------------------|-----|---|
| Antimony  | 75 - 125            | 97                              | 1.3                  | 108              | 89  |   |
| Arsenic   | 75 - 125            | 110                             | 80                   | 43.5             | 64  | * |
| Barium    | 75 - 125            | 2100 D                          | 170 D                | 2100             | 90  |   |
| Beryllium | 75 - 125            | 51                              | 0.58                 | 54.0             | 92  |   |
| Cadmium   | 75 - 125            | 49                              | 1.5                  | 54.0             | 89  |   |
| Chromium  | 75 - 125            | 230                             | 33                   | 216              | 93  |   |
| Cobalt    | 75 - 125            | 570 D                           | 22 D                 | 540              | 101 |   |
| Copper    | 75 - 125            | 420                             | 190                  | 270              | 85  |   |
| Lead      | 75 - 125            | 70                              | 58                   | 21.0             | 59  | * |
| Nickel    | 75 - 125            | 590 D                           | 35 D                 | 540              | 102 |   |
| Selenium  | 75 - 125            | 110                             | 0.31 J               | 108              | 98  |   |
| Silver    | 75 - 125            | 41                              | 0.42                 | 54.0             | 75  |   |
| Thallium  | 75 - 125            | 48                              | 0.18 J               | 54.0             | 89  |   |
| Vanadium  | 75 - 125            | 590 D                           | 76 D                 | 540              | 94  |   |
| Zinc      | 75 - 125            | 650                             | 160                  | 540              | 92  |   |

MYE4Z6S

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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               | 27                               |   | 1.3                   |   | 26.4                | 97  |   |
| Arsenic   |                        | 100                              |   | 80                    |   | 10.5                | 194 |   |
| Barium    | 75 - 125               | 680                              | D | 170                   | D | 540                 | 97  |   |
| Beryllium | 75 - 125               | 13                               |   | 0.58                  |   | 13.2                | 97  |   |
| Cadmium   | 75 - 125               | 14                               |   | 1.5                   |   | 13.2                | 97  |   |
| Chromium  | 75 - 125               | 89                               |   | 33                    |   | 52.5                | 106 |   |
| Cobalt    | 75 - 125               | 160                              | D | 22                    | D | 131.4               | 106 |   |
| Copper    | 75 - 125               | 270                              |   | 190                   |   | 65.7                | 130 | * |
| Lead      |                        | 71                               |   | 58                    |   | 5.4                 | 246 |   |
| Nickel    | 75 - 125               | 180                              | D | 35                    | D | 131.4               | 108 |   |
| Selenium  | 75 - 125               | 27                               |   | 0.31                  | J | 26.4                | 101 |   |
| Silver    | 75 - 125               | 11                               |   | 0.42                  |   | 13.2                | 81  |   |
| Thallium  | 75 - 125               | 13                               |   | 0.18                  | J | 13.2                | 96  |   |
| Vanadium  | 75 - 125               | 220                              | D | 76                    | D | 131.4               | 108 |   |
| Zinc      | 75 - 125               | 310                              |   | 160                   |   | 131.4               | 115 |   |