

## FORM 5A - IN

## MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group

Contract: EPW14030

Lab Code: ACE Case No.: 51779

MA No. : SDG No.: MYCZD9

Matrix : Soil

Analytical Method: ICP-MS

% Solids: 98.4

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            | 120                           |   | 0.16               | J | 130.5            | 95  |   |
| Arsenic   | 75 - 125            | 150                           |   | 110                |   | 52.5             | 81  |   |
| Barium    | 75 - 125            | 2700                          | D | 81                 | D | 2550             | 98  |   |
| Beryllium | 75 - 125            | 62                            |   | 0.34               | J | 64.5             | 95  |   |
| Cadmium   | 75 - 125            | 66                            |   | 3.0                |   | 64.5             | 96  |   |
| Chromium  | 75 - 125            | 370                           |   | 150                |   | 261              | 85  |   |
| Cobalt    | 75 - 125            | 670                           | D | 54                 | D | 651              | 95  |   |
| Copper    | 75 - 125            | 610                           |   | 380                |   | 325.5            | 72  | * |
| Lead      | 75 - 125            | 100                           |   | 84                 |   | 25.5             | 61  | * |
| Nickel    | 75 - 125            | 700                           | D | 99                 | D | 651              | 92  |   |
| Selenium  | 75 - 125            | 140                           |   | 1.0                | J | 130.5            | 108 |   |
| Silver    | 75 - 125            | 25                            |   | 0.48               |   | 64.5             | 37  | * |
| Thallium  | 75 - 125            | 62                            |   | 0.084              | J | 64.5             | 95  |   |
| Vanadium  | 75 - 125            | 820                           | D | 220                | D | 651              | 93  |   |
| Zinc      | 75 - 125            | 790                           |   | 230                |   | 651              | 87  |   |

MYCZF8S

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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                               |   | 0.16                  | J | 24.6                | 108  |   |
| Arsenic   |                        | 110                              |   | 110                   |   | 9.9                 | 12   |   |
| Barium    | 75 - 125               | 660                              | D | 81                    | D | 480                 | 118  |   |
| Beryllium | 75 - 125               | 14                               |   | 0.34                  | J | 12.3                | 109  |   |
| Cadmium   | 75 - 125               | 16                               |   | 3.0                   |   | 12.3                | 109  |   |
| Chromium  | 75 - 125               | 190                              |   | 150                   |   | 49.2                | 80   |   |
| Cobalt    | 75 - 125               | 190                              | D | 54                    | D | 123                 | 112  |   |
| Copper    |                        | 390                              |   | 380                   |   | 61.5                | 28   |   |
| Lead      |                        | 76                               |   | 84                    |   | 4.8                 | -153 |   |
| Nickel    | 75 - 125               | 240                              | D | 99                    | D | 123                 | 110  |   |
| Selenium  | 75 - 125               | 31                               |   | 1.0                   | J | 24.6                | 121  |   |
| Silver    | 75 - 125               | 13                               |   | 0.48                  |   | 12.3                | 101  |   |
| Thallium  | 75 - 125               | 13                               |   | 0.084                 | J | 12.3                | 105  |   |
| Vanadium  | 75 - 125               | 340                              | D | 220                   | D | 123                 | 97   |   |
| Zinc      | 75 - 125               | 330                              |   | 230                   |   | 123                 | 85   |   |