

MYCZB8SRE

## FORM 5A - IN

## MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group

Contract: EPW14030

Lab Code: ACE Case No.: 51779

MA No. : SDG No.: MYCYW9

Matrix : Soil

Analytical Method: ICP-MS

% Solids: 98.8

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<br>Result (SR) Q | Spike Added<br>(SA) | %R  | Q |
|-----------|---------------------|---------------------------------|-------------------------|---------------------|-----|---|
| Antimony  | 75 - 125            | 130                             | 0.072 J                 | 120                 | 106 |   |
| Arsenic   | 75 - 125            | 71                              | 23                      | 48.0                | 100 |   |
| Barium    | 75 - 125            | 2600 D                          | 72 D                    | 2400                | 104 |   |
| Beryllium | 75 - 125            | 62                              | 0.24 J                  | 60.0                | 102 |   |
| Cadmium   | 75 - 125            | 64                              | 0.19 J                  | 60.0                | 105 |   |
| Chromium  | 75 - 125            | 300                             | 63                      | 241.5               | 98  |   |
| Cobalt    | 75 - 125            | 680 D                           | 50 D                    | 603                 | 105 |   |
| Copper    | 75 - 125            | 410                             | 140                     | 301.5               | 90  |   |
| Lead      | 75 - 125            | 26                              | 2.8                     | 24.0                | 97  |   |
| Nickel    | 75 - 125            | 670 D                           | 58 D                    | 603                 | 102 |   |
| Selenium  | 75 - 125            | 140                             | 2.1 U                   | 120                 | 116 |   |
| Silver    | 75 - 125            | 56                              | 0.42 U                  | 60.0                | 93  |   |
| Thallium  | 75 - 125            | 64                              | 0.059 J                 | 60.0                | 105 |   |
| Vanadium  | 75 - 125            | 760 D                           | 150 D                   | 603                 | 102 |   |
| Zinc      | 75 - 125            | 690                             | 75                      | 603                 | 102 |   |

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| Analyte   | Control Limit<br>%R | Spiked Sample<br>Result (SSR) | Q | Sample Result (SR) | Q | Spike Added (SA) | %R  | Q |
|-----------|---------------------|-------------------------------|---|--------------------|---|------------------|-----|---|
| Antimony  | 75 - 125            | 24                            |   | 0.072              | J | 21.3             | 114 |   |
| Arsenic   | 75 - 125            | 29                            |   | 23                 |   | 8.4              | 69  | * |
| Barium    | 75 - 125            | 580                           | D | 72                 | D | 420              | 119 |   |
| Beryllium | 75 - 125            | 13                            |   | 0.24               | J | 10.5             | 122 |   |
| Cadmium   | 75 - 125            | 13                            |   | 0.19               | J | 10.5             | 117 |   |
| Chromium  | 75 - 125            | 110                           |   | 63                 |   | 42.6             | 101 |   |
| Cobalt    | 75 - 125            | 170                           | D | 50                 | D | 106.2            | 113 |   |
| Copper    | 75 - 125            | 180                           |   | 140                |   | 53.1             | 74  | * |
| Lead      | 75 - 125            | 7.0                           |   | 2.8                |   | 4.2              | 99  |   |
| Nickel    | 75 - 125            | 180                           | D | 58                 | D | 106.2            | 114 |   |
| Selenium  | 75 - 125            | 26                            |   | 2.1                | U | 21.3             | 122 |   |
| Silver    | 75 - 125            | 13                            |   | 0.42               | U | 10.5             | 122 |   |
| Thallium  | 75 - 125            | 12                            |   | 0.059              | J | 10.5             | 109 |   |
| Vanadium  | 75 - 125            | 250                           | D | 150                | D | 106.2            | 97  |   |
| Zinc      | 75 - 125            | 190                           |   | 75                 |   | 106.2            | 109 |   |