

## FORM 5A - IN

## MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group Contract: EPW14030Lab Code: ACE Case No.: 51495 MA No. :                      SDG No.: MYD5K6Matrix : Soil Analytical Method: ICP-MS% Solids: 96.9Concentration 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               | 100                              |   | 0.18                  | J | 114                 | 87 |   |
| Arsenic   | 75 - 125               | 57                               |   | 21                    |   | 46.5                | 79 |   |
| Barium    | 75 - 125               | 2200                             | D | 150                   | D | 2250                | 90 |   |
| Beryllium | 75 - 125               | 51                               |   | 0.64                  |   | 57.0                | 88 |   |
| Cadmium   | 75 - 125               | 53                               |   | 0.63                  |   | 57.0                | 91 |   |
| Chromium  | 75 - 125               | 220                              |   | 23                    |   | 229.5               | 87 |   |
| Cobalt    | 75 - 125               | 560                              | D | 15                    | D | 573                 | 95 |   |
| Copper    | 75 - 125               | 290                              |   | 55                    |   | 286.5               | 82 |   |
| Lead      | 75 - 125               | 68                               |   | 54                    |   | 22.5                | 57 | * |
| Nickel    | 75 - 125               | 580                              | D | 23                    | D | 573                 | 97 |   |
| Selenium  | 75 - 125               | 110                              |   | 2.1                   | U | 114                 | 96 |   |
| Silver    | 75 - 125               | 44                               |   | 0.35                  | J | 57.0                | 77 |   |
| Thallium  | 75 - 125               | 46                               |   | 0.12                  | J | 57.0                | 80 |   |
| Vanadium  | 75 - 125               | 560                              | D | 44                    | D | 573                 | 90 |   |
| Zinc      | 75 - 125               | 650                              |   | 160                   |   | 573                 | 85 |   |

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Contract: EPW14030

Lab Code: ACE Case No.: 51495

MA No. : SDG No.: MYD5K6

Matrix : Soil

Analytical Method: ICP-MS

% Solids: 96.9

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            | 23                            |   | 0.18               | J | 24.9             | 93  |   |
| Arsenic   | 75 - 125            | 29                            |   | 21                 |   | 9.9              | 84  |   |
| Barium    | 75 - 125            | 600                           | D | 150                | D | 510              | 91  |   |
| Beryllium | 75 - 125            | 13                            |   | 0.64               |   | 12.3             | 96  |   |
| Cadmium   | 75 - 125            | 13                            |   | 0.63               |   | 12.3             | 98  |   |
| Chromium  | 75 - 125            | 70                            |   | 23                 |   | 49.5             | 94  |   |
| Cobalt    | 75 - 125            | 140                           | D | 15                 | D | 123.9            | 101 |   |
| Copper    | 75 - 125            | 110                           |   | 55                 |   | 61.8             | 91  |   |
| Lead      |                     | 60                            |   | 54                 |   | 5.1              | 114 |   |
| Nickel    | 75 - 125            | 150                           | D | 23                 | D | 123.9            | 104 |   |
| Selenium  | 75 - 125            | 30                            |   | 2.1                | U | 24.9             | 121 |   |
| Silver    | 75 - 125            | 11                            |   | 0.35               | J | 12.3             | 83  |   |
| Thallium  | 75 - 125            | 11                            |   | 0.12               | J | 12.3             | 85  |   |
| Vanadium  | 75 - 125            | 160                           | D | 44                 | D | 123.9            | 97  |   |
| Zinc      | 75 - 125            | 280                           |   | 160                |   | 123.9            | 97  |   |