

## FORM 5A - IN

## MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group

Contract: EPW14030

Lab Code: ACE Case No.: 51810

MA No. : SDG No.: MC0VH4

Matrix : Soil

Analytical Method: ICP-AES

% Solids: 79.6

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               | 17                                 | 1.9 J                   | 19.0                | 77   |   |
| Arsenic   | 75 - 125               | 31                                 | 25                      | 7.61                | 74   | * |
| Barium    | 75 - 125               | 500                                | 150                     | 381                 | 92   |   |
| Beryllium | 75 - 125               | 9.3                                | 0.84                    | 9.52                | 89   |   |
| Cadmium   | 75 - 125               | 11                                 | 1.8                     | 9.52                | 97   |   |
| Chromium  | 75 - 125               | 62                                 | 26                      | 38.1                | 95   |   |
| Cobalt    | 75 - 125               | 100                                | 10                      | 95.2                | 98   |   |
| Copper    | 75 - 125               | 140                                | 100                     | 47.6                | 78   |   |
| Lead      |                        | 300                                | 310                     | 3.81                | -208 |   |
| Manganese | 75 - 125               | 440                                | 370                     | 95.2                | 80   |   |
| Nickel    | 75 - 125               | 130                                | 36                      | 95.2                | 97   |   |
| Selenium  | 75 - 125               | 12                                 | 3.5 U                   | 19.0                | 63   | * |
| Silver    | 75 - 125               | 5.8                                | 0.99 U                  | 9.52                | 61   | * |
| Thallium  | 75 - 125               | 8.6                                | 2.5 U                   | 9.52                | 90   |   |
| Vanadium  | 75 - 125               | 110                                | 21                      | 95.2                | 97   |   |
| Zinc      | 75 - 125               | 310                                | 250                     | 95.2                | 63   | * |