

## FORM 5A - IN

## MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group

Contract: EPW14030

Lab Code: ACE Case No.: 51879

MA No. : SDG No.: MBHHJ1

Matrix : Soil

Analytical Method: ICP-AES

% Solids: 78.7

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            | 14                              | 0.84 J               | 17.1             | 77    |   |
| Arsenic   | 75 - 125            | 17                              | 12                   | 6.82             | 79    |   |
| Barium    | 75 - 125            | 550                             | 270                  | 341              | 82    |   |
| Beryllium | 75 - 125            | 7.9                             | 0.45 J               | 8.53             | 87    |   |
| Cadmium   | 75 - 125            | 11                              | 2.4                  | 8.53             | 97    |   |
| Chromium  | 75 - 125            | 48                              | 17                   | 34.1             | 91    |   |
| Cobalt    | 75 - 125            | 94                              | 8.6                  | 85.3             | 100   |   |
| Copper    | 75 - 125            | 86                              | 57                   | 42.6             | 69    | * |
| Lead      |                     | 490                             | 530                  | 3.41             | -1193 |   |
| Manganese |                     | 1100                            | 1100                 | 85.3             | -43   |   |
| Nickel    | 75 - 125            | 100                             | 18                   | 85.3             | 99    |   |
| Selenium  | 75 - 125            | 11                              | 3.2 U                | 17.1             | 64    | * |
| Silver    | 75 - 125            | 6.2                             | 0.92 U               | 8.53             | 73    | * |
| Thallium  | 75 - 125            | 7.2                             | 2.3 U                | 8.53             | 84    |   |
| Vanadium  | 75 - 125            | 96                              | 18                   | 85.3             | 92    |   |
| Zinc      | 75 - 125            | 350                             | 310                  | 85.3             | 46    | * |