

MYE519S

FORM 5A - IN

## MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group

Contract: EPW14030

Lab Code: ACE Case No.: 51817

MA No. : SDG No.: MYE516

Matrix : Soil

Analytical Method: ICP-AES

% Solids: 98.4

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               | 25                               | D | 2.5                   | JD | 27.8                | 82   |   |
| Arsenic   |                        | 61                               | D | 68                    | D  | 11.14               | -61  |   |
| Barium    | 75 - 125               | 700                              | D | 220                   | D  | 556                 | 85   |   |
| Beryllium | 75 - 125               | 14                               | D | 0.9                   | D  | 13.92               | 90   |   |
| Cadmium   | 75 - 125               | 15                               | D | 1.7                   | D  | 13.92               | 93   |   |
| Chromium  | 75 - 125               | 90                               | D | 43                    | D  | 55.6                | 84   |   |
| Cobalt    | 75 - 125               | 160                              | D | 28                    | D  | 139.2               | 91   |   |
| Copper    | 75 - 125               | 210                              | D | 190                   | D  | 69.6                | 27   | * |
| Lead      |                        | 69                               | D | 82                    | D  | 5.56                | -232 |   |
| Manganese |                        | 1000                             | D | 1100                  | D  | 139.2               | -79  |   |
| Nickel    | 75 - 125               | 170                              | D | 50                    | D  | 139.2               | 87   |   |
| Selenium  | 75 - 125               | 14                               | D | 6.0                   | UD | 27.8                | 100  |   |
| Silver    | 75 - 125               | 9.0                              | D | 1.7                   | UD | 13.92               | 96   |   |
| Thallium  | 75 - 125               | 5.9                              | D | 4.3                   | UD | 13.92               | 103  |   |
| Vanadium  | 75 - 125               | 220                              | D | 120                   | D  | 139.2               | 75   |   |
| Zinc      | 75 - 125               | 250                              | D | 170                   | D  | 139.2               | 58   | * |