

MYE5N3S

FORM 5A - IN

## MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group

Contract: EPW14030

Lab Code: ACE Case No.: 51817

MA No. : SDG No.: MYE5N3

Matrix : Soil

Analytical Method: ICP-AES

% Solids: 97.3

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               | 29                               | D | 9.8                   | UD | 34.0                | 82  |   |
| Arsenic   | 75 - 125               | 29                               | D | 19                    | D  | 13.6                | 73  | * |
| Barium    | 75 - 125               | 790                              | D | 130                   | D  | 680                 | 97  |   |
| Beryllium | 75 - 125               | 17                               | D | 0.3                   | JD | 16.98               | 97  |   |
| Cadmium   | 75 - 125               | 17                               | D | 0.34                  | JD | 16.98               | 97  |   |
| Chromium  | 75 - 125               | 99                               | D | 28                    | D  | 68.0                | 104 |   |
| Cobalt    | 75 - 125               | 180                              | D | 14                    | D  | 169.8               | 97  |   |
| Copper    | 75 - 125               | 150                              | D | 74                    | D  | 85.0                | 93  |   |
| Lead      | 75 - 125               | 31                               | D | 24                    | D  | 6.8                 | 101 |   |
| Manganese |                        | 930                              | D | 760                   | D  | 169.8               | 104 |   |
| Nickel    | 75 - 125               | 190                              | D | 25                    | D  | 169.8               | 98  |   |
| Selenium  | 75 - 125               | 28                               | D | 5.7                   | UD | 34.0                | 84  |   |
| Silver    | 75 - 125               | 14                               | D | 1.6                   | UD | 16.98               | 92  |   |
| Thallium  | 75 - 125               | 13                               | D | 4.1                   | UD | 16.98               | 97  |   |
| Vanadium  | 75 - 125               | 210                              | D | 39                    | D  | 169.8               | 99  |   |
| Zinc      | 75 - 125               | 220                              | D | 80                    | D  | 169.8               | 84  |   |

MYE5N4S

FORM 5A - IN

## MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Chemtech Consulting Group

Contract: EPW14030

Lab Code: ACE Case No.: 51817

MA No. : SDG No.: MYE5N3

Matrix : Soil

Analytical Method: ICP-AES

% Solids: 95.3

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 | 0.81                  | JD | 30.2                | 79  |   |
| Arsenic   | 75 - 125               | 29                               | D | 18                    | D  | 12.08               | 95  |   |
| Barium    | 75 - 125               | 740                              | D | 150                   | D  | 604                 | 98  |   |
| Beryllium | 75 - 125               | 15                               | D | 0.33                  | JD | 15.1                | 95  |   |
| Cadmium   | 75 - 125               | 15                               | D | 0.73                  | UD | 15.1                | 98  |   |
| Chromium  | 75 - 125               | 96                               | D | 33                    | D  | 60.4                | 105 |   |
| Cobalt    | 75 - 125               | 160                              | D | 16                    | D  | 151                 | 98  |   |
| Copper    | 75 - 125               | 110                              | D | 38                    | D  | 75.4                | 91  |   |
| Lead      | 75 - 125               | 20                               | D | 14                    | D  | 6.04                | 103 |   |
| Manganese |                        | 960                              | D | 800                   | D  | 151                 | 110 |   |
| Nickel    | 75 - 125               | 180                              | D | 31                    | D  | 151                 | 99  |   |
| Selenium  | 75 - 125               | 25                               | D | 5.1                   | UD | 30.2                | 82  |   |
| Silver    | 75 - 125               | 12                               | D | 1.5                   | UD | 15.1                | 91  |   |
| Thallium  | 75 - 125               | 10                               | D | 3.6                   | UD | 15.1                | 92  |   |
| Vanadium  | 75 - 125               | 200                              | D | 43                    | D  | 151                 | 101 |   |
| Zinc      | 75 - 125               | 180                              | D | 55                    | D  | 151                 | 83  |   |