

FORM 3 - IN  
BLANKS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011  
 Lab Code: ACE Case No.: 51879 MA No. :                      SDG No.: MBHLE9  
 Preparation Blank Matrix : Soil  
 Preparation Blank Concentration Units (µg/L, mg/L, mg/kg dry weight, or µg): mg/kg  
 Analytical Method: ICP-AES Preparation Batch: PB165571  
 Run Batch: LB134114 Preparation Method: 3050B

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |            |   |            |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|------------|---|------------|---|---------------------------------------------|---|
|           | ID: ICB003                       | Q | ID: CCB019                          | Q | ID: CCB020 | Q | ID: CCB021 | Q | ID: PBS571                                  | Q |
| Aluminum  | 200                              | U | 46                                  | J | 200        | U | 200        | U | 20.0                                        | U |
| Antimony  | 60.0                             | U | 60.0                                | U | -6.3       | J | -6.5       | J | 6.0                                         | U |
| Arsenic   | 10.0                             | U | 10.0                                | U | 10.0       | U | 10.0       | U | 1.0                                         | U |
| Barium    | 200                              | U | 200                                 | U | 200        | U | 200        | U | 20.0                                        | U |
| Beryllium | 5.0                              | U | 5.0                                 | U | 5.0        | U | 5.0        | U | 0.5                                         | U |
| Cadmium   | 5.0                              | U | 0.29                                | J | 5.0        | U | 5.0        | U | 0.5                                         | U |
| Calcium   | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U | 500                                         | U |
| Chromium  | -1.5                             | J | 1.2                                 | J | -1.5       | J | -0.8       | J | -0.086                                      | J |
| Cobalt    | 50.0                             | U | 50.0                                | U | 50.0       | U | 50.0       | U | 5.0                                         | U |
| Copper    | -6.1                             | J | 25.0                                | U | -11        | J | 25.0       | U | -0.84                                       | J |
| Iron      | 100                              | U | 79                                  | J | 20         | J | 35         | J | 10.0                                        | U |
| Lead      | -3.6                             | J | 10.0                                | U | 10.0       | U | 3.7        | J | -0.42                                       | J |
| Magnesium | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U | 500                                         | U |
| Manganese | 15.0                             | U | 1.7                                 | J | 15.0       | U | 15.0       | U | 1.5                                         | U |
| Nickel    | 40.0                             | U | 40.0                                | U | 40.0       | U | 40.0       | U | 4.0                                         | U |
| Potassium | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U | 500                                         | U |
| Selenium  | 35.0                             | U | 35.0                                | U | 35.0       | U | 35.0       | U | 3.5                                         | U |
| Silver    | 1.6                              | J | 1.7                                 | J | 10.0       | U | 10.0       | U | 1.0                                         | U |
| Sodium    | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U | 500                                         | U |
| Thallium  | 25.0                             | U | 25.0                                | U | 25.0       | U | 25.0       | U | 2.5                                         | U |
| Vanadium  | -12                              | J | 7.5                                 | J | -10        | J | -10        | J | 5.0                                         | U |
| Zinc      | 60.0                             | U | 60.0                                | U | 60.0       | U | 32         | J | 6.0                                         | U |

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Preparation Blank Matrix :

Preparation Blank Concentration Units ( $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{mg/kg}$  dry weight, or  $\mu\text{g}$ ):

Analytical Method: ICP-AES Preparation Batch:

Run Batch: LB134114 Preparation Method:

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |            |   |            |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|------------|---|------------|---|---------------------------------------------|---|
|           | ID:                              | Q | ID: CCB022                          | Q | ID: CCB023 | Q | ID: CCB024 | Q | ID:                                         | Q |
| Aluminum  |                                  |   | 42                                  | J | 200        | U | 23         | J |                                             |   |
| Antimony  |                                  |   | 60.0                                | U | 60.0       | U | 60.0       | U |                                             |   |
| Arsenic   |                                  |   | 10.0                                | U | 10.0       | U | 10.0       | U |                                             |   |
| Barium    |                                  |   | 200                                 | U | -7.2       | J | 200        | U |                                             |   |
| Beryllium |                                  |   | 5.0                                 | U | 5.0        | U | 5.0        | U |                                             |   |
| Cadmium   |                                  |   | 5.0                                 | U | 5.0        | U | 5.0        | U |                                             |   |
| Calcium   |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Chromium  |                                  |   | -1.5                                | J | -0.8       | J | -1.7       | J |                                             |   |
| Cobalt    |                                  |   | 50.0                                | U | 50.0       | U | 50.0       | U |                                             |   |
| Copper    |                                  |   | 25.0                                | U | -6.3       | J | -13        | J |                                             |   |
| Iron      |                                  |   | 27                                  | J | 100        | U | 24         | J |                                             |   |
| Lead      |                                  |   | 3.3                                 | J | 3.8        | J | 10.0       | U |                                             |   |
| Magnesium |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Manganese |                                  |   | 15.0                                | U | 1.6        | J | 2.3        | J |                                             |   |
| Nickel    |                                  |   | 40.0                                | U | 40.0       | U | 40.0       | U |                                             |   |
| Potassium |                                  |   | 590                                 | J | 5000       | U | 5000       | U |                                             |   |
| Selenium  |                                  |   | 35.0                                | U | 35.0       | U | 35.0       | U |                                             |   |
| Silver    |                                  |   | 1.6                                 | J | 1.6        | J | 10.0       | U |                                             |   |
| Sodium    |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Thallium  |                                  |   | 25.0                                | U | 25.0       | U | 25.0       | U |                                             |   |
| Vanadium  |                                  |   | -8.4                                | J | 50.0       | U | 50.0       | U |                                             |   |
| Zinc      |                                  |   | 33                                  | J | 32         | J | 31         | J |                                             |   |

FORM 3 - IN  
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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011  
Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHLE9  
Preparation Blank Matrix :  
Preparation Blank Concentration Units ( $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{mg/kg}$  dry weight, or  $\mu\text{g}$ ):  
Analytical Method: ICP-AES Preparation Batch:  
Run Batch: LB134114 Preparation Method:

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |     |   |     |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|-----|---|-----|---|---------------------------------------------|---|
|           | ID:                              | Q | ID: CCB025                          | Q | ID: | Q | ID: | Q | ID:                                         | Q |
| Aluminum  |                                  |   | 40                                  | J |     |   |     |   |                                             |   |
| Antimony  |                                  |   | 60.0                                | U |     |   |     |   |                                             |   |
| Arsenic   |                                  |   | 10.0                                | U |     |   |     |   |                                             |   |
| Barium    |                                  |   | 200                                 | U |     |   |     |   |                                             |   |
| Beryllium |                                  |   | 5.0                                 | U |     |   |     |   |                                             |   |
| Cadmium   |                                  |   | 5.0                                 | U |     |   |     |   |                                             |   |
| Calcium   |                                  |   | 5000                                | U |     |   |     |   |                                             |   |
| Chromium  |                                  |   | 10.0                                | U |     |   |     |   |                                             |   |
| Cobalt    |                                  |   | 50.0                                | U |     |   |     |   |                                             |   |
| Copper    |                                  |   | -6.3                                | J |     |   |     |   |                                             |   |
| Iron      |                                  |   | 31                                  | J |     |   |     |   |                                             |   |
| Lead      |                                  |   | 3.6                                 | J |     |   |     |   |                                             |   |
| Magnesium |                                  |   | 5000                                | U |     |   |     |   |                                             |   |
| Manganese |                                  |   | 6.4                                 | J |     |   |     |   |                                             |   |
| Nickel    |                                  |   | 40.0                                | U |     |   |     |   |                                             |   |
| Potassium |                                  |   | 800                                 | J |     |   |     |   |                                             |   |
| Selenium  |                                  |   | 35.0                                | U |     |   |     |   |                                             |   |
| Silver    |                                  |   | 1.3                                 | J |     |   |     |   |                                             |   |
| Sodium    |                                  |   | 5000                                | U |     |   |     |   |                                             |   |
| Thallium  |                                  |   | 25.0                                | U |     |   |     |   |                                             |   |
| Vanadium  |                                  |   | -7.3                                | J |     |   |     |   |                                             |   |
| Zinc      |                                  |   | 32                                  | J |     |   |     |   |                                             |   |

FORM 3 - IN  
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Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHLE9

Preparation Blank Matrix :

Preparation Blank Concentration Units ( $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{mg/kg}$  dry weight, or  $\mu\text{g}$ ):

Analytical Method: ICP-AES Preparation Batch:

Run Batch: LB134161 Preparation Method:

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |            |   |            |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|------------|---|------------|---|---------------------------------------------|---|
|           | ID: ICB051                       | Q | ID: CCB100                          | Q | ID: CCB101 | Q | ID: CCB102 | Q | ID:                                         | Q |
| Aluminum  | 200                              | U | 200                                 | U | 200        | U | 200        | U |                                             |   |
| Antimony  | 60.0                             | U | 60.0                                | U | 60.0       | U | 60.0       | U |                                             |   |
| Arsenic   | 10.0                             | U | 10.0                                | U | 10         |   | 10.0       | U |                                             |   |
| Barium    | 200                              | U | 200                                 | U | 200        | U | 200        | U |                                             |   |
| Beryllium | 5.0                              | U | 5.0                                 | U | 5.0        | U | 5.0        | U |                                             |   |
| Cadmium   | 5.0                              | U | 5.0                                 | U | 5.0        | U | 5.0        | U |                                             |   |
| Calcium   | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Chromium  | 10.0                             | U | 10.0                                | U | -1.1       | J | 10.0       | U |                                             |   |
| Cobalt    | 50.0                             | U | 50.0                                | U | 50.0       | U | 50.0       | U |                                             |   |
| Copper    | 25.0                             | U | 25.0                                | U | 7.1        | J | -19        | J |                                             |   |
| Iron      | 100                              | U | 100                                 | U | 100        | U | 43         | J |                                             |   |
| Lead      | -3.3                             | J | 10.0                                | U | 10.0       | U | 10.0       | U |                                             |   |
| Magnesium | -200                             | J | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Manganese | 15.0                             | U | 15.0                                | U | 15.0       | U | 1.6        | J |                                             |   |
| Nickel    | 40.0                             | U | 40.0                                | U | 40.0       | U | 40.0       | U |                                             |   |
| Potassium | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Selenium  | 35.0                             | U | 35.0                                | U | 35.0       | U | 35.0       | U |                                             |   |
| Silver    | 10.0                             | U | 10.0                                | U | 10.0       | U | 10.0       | U |                                             |   |
| Sodium    | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Thallium  | 25.0                             | U | 25.0                                | U | 25.0       | U | 25.0       | U |                                             |   |
| Vanadium  | 50.0                             | U | 50.0                                | U | -17        | J | 50.0       | U |                                             |   |
| Zinc      | 60.0                             | U | 60.0                                | U | 60.0       | U | 60.0       | U |                                             |   |

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Preparation Blank Matrix :

Preparation Blank Concentration Units ( $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{mg/kg}$  dry weight, or  $\mu\text{g}$ ):

Analytical Method: ICP-AES Preparation Batch:

Run Batch: LB134161 Preparation Method:

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |            |   |            |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|------------|---|------------|---|---------------------------------------------|---|
|           | ID:                              | Q | ID: CCB103                          | Q | ID: CCB104 | Q | ID: CCB105 | Q | ID:                                         | Q |
| Aluminum  |                                  |   | 68                                  | J | 74         | J | 200        | U |                                             |   |
| Antimony  |                                  |   | 60.0                                | U | 60.0       | U | 60.0       | U |                                             |   |
| Arsenic   |                                  |   | 10.0                                | U | 10.0       | U | 10.0       | U |                                             |   |
| Barium    |                                  |   | 200                                 | U | 200        | U | 200        | U |                                             |   |
| Beryllium |                                  |   | 5.0                                 | U | 5.0        | U | 5.0        | U |                                             |   |
| Cadmium   |                                  |   | 5.0                                 | U | 5.0        | U | 5.0        | U |                                             |   |
| Calcium   |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Chromium  |                                  |   | 10.0                                | U | 10.0       | U | 10.0       | U |                                             |   |
| Cobalt    |                                  |   | 50.0                                | U | 50.0       | U | 50.0       | U |                                             |   |
| Copper    |                                  |   | -9.4                                | J | -11        | J | 25.0       | U |                                             |   |
| Iron      |                                  |   | 100                                 | U | 24         | J | 45         | J |                                             |   |
| Lead      |                                  |   | 10.0                                | U | 10.0       | U | 10.0       | U |                                             |   |
| Magnesium |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Manganese |                                  |   | 3.9                                 | J | 4.4        | J | 4.7        | J |                                             |   |
| Nickel    |                                  |   | 40.0                                | U | 40.0       | U | 40.0       | U |                                             |   |
| Potassium |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Selenium  |                                  |   | 35.0                                | U | 35.0       | U | 35.0       | U |                                             |   |
| Silver    |                                  |   | 1.7                                 | J | 10.0       | U | 1.6        | J |                                             |   |
| Sodium    |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Thallium  |                                  |   | 25.0                                | U | 25.0       | U | 25.0       | U |                                             |   |
| Vanadium  |                                  |   | 50.0                                | U | -9.1       | J | -7.7       | J |                                             |   |
| Zinc      |                                  |   | 60.0                                | U | 60.0       | U | 60.0       | U |                                             |   |

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Preparation Blank Matrix :

Preparation Blank Concentration Units ( $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{mg/kg}$  dry weight, or  $\mu\text{g}$ ):

Analytical Method: ICP-AES Preparation Batch:

Run Batch: LB134161 Preparation Method:

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |            |   |            |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|------------|---|------------|---|---------------------------------------------|---|
|           | ID:                              | Q | ID: CCB106                          | Q | ID: CCB107 | Q | ID: CCB108 | Q | ID:                                         | Q |
| Aluminum  |                                  |   | 200                                 | U | 20         | J | 200        | U |                                             |   |
| Antimony  |                                  |   | 60.0                                | U | 60.0       | U | 60.0       | U |                                             |   |
| Arsenic   |                                  |   | 9.3                                 | J | 8.9        | J | 10.0       | U |                                             |   |
| Barium    |                                  |   | 200                                 | U | 200        | U | 200        | U |                                             |   |
| Beryllium |                                  |   | 5.0                                 | U | 5.0        | U | 5.0        | U |                                             |   |
| Cadmium   |                                  |   | 5.0                                 | U | 5.0        | U | 5.0        | U |                                             |   |
| Calcium   |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Chromium  |                                  |   | 10.0                                | U | 10.0       | U | 10.0       | U |                                             |   |
| Cobalt    |                                  |   | 50.0                                | U | 50.0       | U | 50.0       | U |                                             |   |
| Copper    |                                  |   | 25.0                                | U | -5.8       | J | 25.0       | U |                                             |   |
| Iron      |                                  |   | 71                                  | J | 33         | J | 21         | J |                                             |   |
| Lead      |                                  |   | 10.0                                | U | 10.0       | U | 10.0       | U |                                             |   |
| Magnesium |                                  |   | 5000                                | U | -220       | J | -180       | J |                                             |   |
| Manganese |                                  |   | 2.2                                 | J | 5.6        | J | 3.4        | J |                                             |   |
| Nickel    |                                  |   | 40.0                                | U | 40.0       | U | 40.0       | U |                                             |   |
| Potassium |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Selenium  |                                  |   | 35.0                                | U | 35.0       | U | 35.0       | U |                                             |   |
| Silver    |                                  |   | 10.0                                | U | 10.0       | U | 10.0       | U |                                             |   |
| Sodium    |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Thallium  |                                  |   | 25.0                                | U | 25.0       | U | 25.0       | U |                                             |   |
| Vanadium  |                                  |   | -12                                 | J | 50.0       | U | 50.0       | U |                                             |   |
| Zinc      |                                  |   | 60.0                                | U | 60.0       | U | 60.0       | U |                                             |   |

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Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLE9

Preparation Blank Matrix :

Preparation Blank Concentration Units ( $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{mg/kg}$  dry weight, or  $\mu\text{g}$ ):

Analytical Method: ICP-AES Preparation Batch:

Run Batch: LB134162 Preparation Method:

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |            |   |     |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|------------|---|-----|---|---------------------------------------------|---|
|           | ID: ICB052                       | Q | ID: CCB112                          | Q | ID: CCB113 | Q | ID: | Q | ID:                                         | Q |
| Aluminum  | -29                              | J | 200                                 | U | 200        | U |     |   |                                             |   |
| Antimony  | 60.0                             | U | 60.0                                | U | 60.0       | U |     |   |                                             |   |
| Arsenic   | 10.0                             | U | 10.0                                | U | -6.3       | J |     |   |                                             |   |
| Barium    | 200                              | U | 200                                 | U | 200        | U |     |   |                                             |   |
| Beryllium | 5.0                              | U | 5.0                                 | U | 5.0        | U |     |   |                                             |   |
| Cadmium   | 5.0                              | U | 5.0                                 | U | 5.0        | U |     |   |                                             |   |
| Calcium   | 5000                             | U | 5000                                | U | 5000       | U |     |   |                                             |   |
| Chromium  | -1.2                             | J | 10.0                                | U | 10.0       | U |     |   |                                             |   |
| Cobalt    | 50.0                             | U | 50.0                                | U | 50.0       | U |     |   |                                             |   |
| Copper    | -15                              | J | 25.0                                | U | -12        | J |     |   |                                             |   |
| Iron      | 45                               | J | 100                                 | U | 100        | U |     |   |                                             |   |
| Lead      | 10.0                             | U | 5.1                                 | J | 10.0       | U |     |   |                                             |   |
| Magnesium | 5000                             | U | 5000                                | U | 5000       | U |     |   |                                             |   |
| Manganese | 1.5                              | J | 15.0                                | U | 15.0       | U |     |   |                                             |   |
| Nickel    | 40.0                             | U | 40.0                                | U | 40.0       | U |     |   |                                             |   |
| Potassium | 5000                             | U | 5000                                | U | 5000       | U |     |   |                                             |   |
| Selenium  | 35.0                             | U | 35.0                                | U | 35.0       | U |     |   |                                             |   |
| Silver    | 1.7                              | J | -1.2                                | J | 10.0       | U |     |   |                                             |   |
| Sodium    | 5000                             | U | 5000                                | U | 5000       | U |     |   |                                             |   |
| Thallium  | 25.0                             | U | 25.0                                | U | 25.0       | U |     |   |                                             |   |
| Vanadium  | -11                              | J | -7.3                                | J | -9.1       | J |     |   |                                             |   |
| Zinc      | 60.0                             | U | 60.0                                | U | 60.0       | U |     |   |                                             |   |