

FORM 3 - IN  
BLANKS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011  
 Lab Code: ACE Case No.: 51847 MA No. :                      SDG No.: ME28N9  
 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: PB165531  
 Run Batch: LB134014 Preparation Method: 3050B

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |            |   |            |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|------------|---|------------|---|---------------------------------------------|---|
|           | ID: ICB007                       | Q | ID: CCB060                          | Q | ID: CCB061 | Q | ID: CCB062 | Q | ID: PBS531                                  | Q |
| Aluminum  | 200                              | U | 200                                 | U | 20         | J | 200        | U | 20.0                                        | U |
| Calcium   | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U | 500                                         | U |
| Iron      | 27                               | J | 35                                  | J | 47         | J | 45         | J | 10.0                                        | U |
| Magnesium | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U | 500                                         | U |
| Potassium | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U | 500                                         | U |
| Sodium    | 5000                             | U | 5000                                | U | 5000       | U | 1400       | J | 110                                         | J |

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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: LB134014 Preparation Method:

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |            |   |            |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|------------|---|------------|---|---------------------------------------------|---|
|           | ID:                              | Q | ID: CCB063                          | Q | ID: CCB064 | Q | ID: CCB065 | Q | ID:                                         | Q |
| Aluminum  |                                  |   | 200                                 | U | 200        | U | 200        | U |                                             |   |
| Calcium   |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Iron      |                                  |   | 100                                 | U | 100        | U | 26         | J |                                             |   |
| Magnesium |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Potassium |                                  |   | 5000                                | U | 5000       | U | 630        | J |                                             |   |
| Sodium    |                                  |   | 1800                                | J | 1300       | J | 5000       | U |                                             |   |

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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: LB134014 Preparation Method:

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |            |   |            |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|------------|---|------------|---|---------------------------------------------|---|
|           | ID:                              | Q | ID: CCB066                          | Q | ID: CCB067 | Q | ID: CCB068 | Q | ID:                                         | Q |
| Aluminum  |                                  |   | 24                                  | J | 200        | U | 39         | J |                                             |   |
| Calcium   |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Iron      |                                  |   | 100                                 | U | 45         | J | 100        | U |                                             |   |
| Magnesium |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Potassium |                                  |   | 5000                                | U | 580        | J | 540        | J |                                             |   |
| Sodium    |                                  |   | 5000                                | U | 1600       | J | 2000       | J |                                             |   |

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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: LB134057 Preparation Method:

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |            |   |            |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|------------|---|------------|---|---------------------------------------------|---|
|           | ID: ICB009                       | Q | ID: CCB081                          | Q | ID: CCB082 | Q | ID: CCB083 | Q | ID:                                         | Q |
| Aluminum  | 200                              | U | 200                                 | U | 28         | J | 200        | U |                                             |   |
| Calcium   | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Iron      | 100                              | U | 100                                 | U | 100        | U | 100        | U |                                             |   |
| Magnesium | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Potassium | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Sodium    | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U |                                             |   |

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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: LB134057 Preparation Method:

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |            |   |            |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|------------|---|------------|---|---------------------------------------------|---|
|           | ID:                              | Q | ID: CCB084                          | Q | ID: CCB085 | Q | ID: CCB086 | Q | ID:                                         | Q |
| Aluminum  |                                  |   | 200                                 | U | 200        | U | 21         | J |                                             |   |
| Calcium   |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Iron      |                                  |   | 100                                 | U | 20         | J | 27         | J |                                             |   |
| Magnesium |                                  |   | 5000                                | U | 5000       | U | 140        | J |                                             |   |
| Potassium |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Sodium    |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |

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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: LB134057 Preparation Method:

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |            |   |            |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|------------|---|------------|---|---------------------------------------------|---|
|           | ID:                              | Q | ID: CCB087                          | Q | ID: CCB088 | Q | ID: CCB089 | Q | ID:                                         | Q |
| Aluminum  |                                  |   | 200                                 | U | 23         | J | 29         | J |                                             |   |
| Calcium   |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Iron      |                                  |   | 100                                 | U | 100        | U | 100        | U |                                             |   |
| Magnesium |                                  |   | 5000                                | U | 5000       | U | 140        | J |                                             |   |
| Potassium |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Sodium    |                                  |   | 5000                                | U | 5000       | U | 5000       | 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: LB134057 Preparation Method:

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |            |   |            |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|------------|---|------------|---|---------------------------------------------|---|
|           | ID:                              | Q | ID: CCB090                          | Q | ID: CCB091 | Q | ID: CCB092 | Q | ID:                                         | Q |
| Aluminum  |                                  |   | 200                                 | U | 200        | U | 200        | U |                                             |   |
| Calcium   |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Iron      |                                  |   | 29                                  | J | 37         | J | 29         | J |                                             |   |
| Magnesium |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Potassium |                                  |   | 5000                                | U | 5000       | U | -560       | J |                                             |   |
| Sodium    |                                  |   | 5000                                | U | 5000       | U | 1700       | J |                                             |   |

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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: LB134057 Preparation Method:

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |            |   |            |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|------------|---|------------|---|---------------------------------------------|---|
|           | ID:                              | Q | ID: CCB093                          | Q | ID: CCB094 | Q | ID: CCB095 | Q | ID:                                         | Q |
| Aluminum  |                                  |   | 200                                 | U | 29         | J | 26         | J |                                             |   |
| Calcium   |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Iron      |                                  |   | 100                                 | U | 33         | J | 27         | J |                                             |   |
| Magnesium |                                  |   | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Potassium |                                  |   | -760                                | J | -900       | J | -760       | J |                                             |   |
| Sodium    |                                  |   | 1900                                | J | 2500       | J | 2000       | J |                                             |   |

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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: LB134057 Preparation Method:

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |     |   |     |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|-----|---|-----|---|---------------------------------------------|---|
|           | ID:                              | Q | ID: CCB096                          | Q | ID: | Q | ID: | Q | ID:                                         | Q |
| Aluminum  |                                  |   | 200                                 | U |     |   |     |   |                                             |   |
| Calcium   |                                  |   | 5000                                | U |     |   |     |   |                                             |   |
| Iron      |                                  |   | 45                                  | J |     |   |     |   |                                             |   |
| Magnesium |                                  |   | 5000                                | U |     |   |     |   |                                             |   |
| Potassium |                                  |   | -660                                | J |     |   |     |   |                                             |   |
| Sodium    |                                  |   | 1700                                | J |     |   |     |   |                                             |   |

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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: LB134069 Preparation Method:

| Analyte   | Initial Calibration Blank (ug/L) |   | Continuing Calibration Blank (ug/L) |   |            |   |            |   | Preparation Blank/Leachate Extraction Blank |   |
|-----------|----------------------------------|---|-------------------------------------|---|------------|---|------------|---|---------------------------------------------|---|
|           | ID: ICB001                       | Q | ID: CCB001                          | Q | ID: CCB002 | Q | ID: CCB003 | Q | ID:                                         | Q |
| Aluminum  | 37                               | J | 38                                  | J | 32         | J | 28         | J |                                             |   |
| Calcium   | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Iron      | 100                              | U | 33                                  | J | 26         | J | 31         | J |                                             |   |
| Magnesium | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U |                                             |   |
| Potassium | 5000                             | U | 5000                                | U | 5000       | U | -600       | J |                                             |   |
| Sodium    | 5000                             | U | 5000                                | U | 5000       | U | 5000       | U |                                             |   |