

FORM 3 - IN
BLANKS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51918 MA No. : SDG No.: MJNBZ5
 Preparation Blank Matrix : Soil
 Preparation Blank Concentration Units (µg/L, mg/L, mg/kg dry weight, or µg): mg/kg
 Analytical Method: ICP-MS Preparation Batch: PB165880
 Run Batch: LB134112 Preparation Method: 200.8

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB002	Q	ID: CCB011	Q	ID: CCB012	Q	ID: CCB013	Q	ID: PBS880	Q
Aluminum	20.0	U	20.0	U	20.0	U	20.0	U	0.44	J
Antimony	2.0	U	0.23	J	0.23	J	2.0	U	1.0	U
Arsenic	1.0	U	1.0	U	1.0	U	1.0	U	0.5	U
Barium	10.0	U	10.0	U	10.0	U	10.0	U	5.0	U
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	0.5	U
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	0.5	U
Calcium	500	U	19	J	28	J	500	U	1.4	J
Chromium	2.0	U	2.0	U	2.0	U	2.0	U	1.0	U
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U	0.5	U
Copper	2.0	U	0.3	J	2.0	U	2.0	U	1.0	U
Iron	200	U	200	U	200	U	200	U	0.82	J
Lead	1.0	U	0.21	J	0.26	J	1.0	U	0.5	U
Magnesium	500	U	500	U	500	U	500	U	250	U
Manganese	1.0	U	1.0	U	1.0	U	1.0	U	0.5	U
Molybdenum	4.0	U	0.46	J	0.62	J	4.0	U	2.0	U
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	0.5	U
Potassium	500	U	500	U	500	U	500	U	1.4	J
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	2.5	U
Silver	1.0	U	1.0	U	1.0	U	1.0	U	0.5	U
Sodium	500	U	500	U	500	U	500	U	1.5	J
Thallium	1.0	U	0.1	J	1.0	U	1.0	U	0.5	U
Vanadium	5.0	U	5.0	U	5.0	U	5.0	U	2.5	U
Zinc	5.0	U	5.0	U	5.0	U	5.0	U	2.5	U

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Preparation Blank Matrix :
Preparation Blank Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, or μg):
Analytical Method: ICP-MS Preparation Batch:
Run Batch: LB134112 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB014	Q	ID: CCB015	Q	ID: CCB016	Q	ID:	Q
Aluminum			20.0	U	20.0	U	20.0	U		
Antimony			0.26	J	2.0	U	0.18	J		
Arsenic			1.0	U	1.0	U	1.0	U		
Barium			10.0	U	10.0	U	10.0	U		
Beryllium			1.0	U	1.0	U	1.0	U		
Cadmium			1.0	U	1.0	U	1.0	U		
Calcium			35	J	500	U	500	U		
Chromium			2.0	U	2.0	U	2.0	U		
Cobalt			1.0	U	1.0	U	1.0	U		
Copper			0.21	J	2.0	U	2.0	U		
Iron			200	U	200	U	200	U		
Lead			0.31	J	1.0	U	1.0	U		
Magnesium			500	U	500	U	500	U		
Manganese			1.0	U	1.0	U	1.0	U		
Molybdenum			0.7	J	4.0	U	0.28	J		
Nickel			1.0	U	1.0	U	1.0	U		
Potassium			500	U	500	U	500	U		
Selenium			5.0	U	5.0	U	5.0	U		
Silver			0.09	J	1.0	U	1.0	U		
Sodium			500	U	500	U	500	U		
Thallium			0.09	J	1.0	U	1.0	U		
Vanadium			5.0	U	5.0	U	5.0	U		
Zinc			5.0	U	5.0	U	5.0	U		

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Preparation Blank Matrix :

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

Analytical Method: ICP-MS Preparation Batch:

Run Batch: LB134112 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB017	Q	ID: CCB018	Q	ID: CCB019	Q	ID:	Q
Aluminum			20.0	U	20.0	U	20.0	U		
Antimony			0.18	J	0.24	J	0.24	J		
Arsenic			1.0	U	1.0	U	1.0	U		
Barium			10.0	U	10.0	U	10.0	U		
Beryllium			1.0	U	1.0	U	1.0	U		
Cadmium			1.0	U	1.0	U	1.0	U		
Calcium			500	U	33	J	28	J		
Chromium			2.0	U	2.0	U	2.0	U		
Cobalt			1.0	U	1.0	U	1.0	U		
Copper			2.0	U	0.46	J	0.5	J		
Iron			200	U	200	U	200	U		
Lead			1.0	U	0.35	J	0.31	J		
Magnesium			500	U	500	U	500	U		
Manganese			1.0	U	0.42	J	0.44	J		
Molybdenum			4.0	U	0.75	J	0.63	J		
Nickel			1.0	U	1.0	U	1.0	U		
Potassium			500	U	500	U	500	U		
Selenium			5.0	U	5.0	U	5.0	U		
Silver			1.0	U	0.1	J	0.09	J		
Sodium			500	U	500	U	500	U		
Thallium			1.0	U	0.11	J	0.1	J		
Vanadium			5.0	U	0.04	J	0.04	J		
Zinc			5.0	U	5.0	U	5.0	U		

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 Lab Code: ACE Case No.: 51918 MA No. : SDG No.: MJNBZ5
 Preparation Blank Matrix : Water
 Preparation Blank Concentration Units (µg/L, mg/L, mg/kg dry weight, or µg): ug/L
 Analytical Method: ICP-MS Preparation Batch: PB165859
 Run Batch: LB134140 Preparation Method: 200.8

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB003	Q	ID: CCB021	Q	ID: CCB022	Q	ID: CCB023	Q	ID: PBW859	Q
Aluminum	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U
Antimony	2.0	U	0.23	J	0.23	J	2.0	U	2.0	U
Arsenic	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Barium	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	500	U	19	J	28	J	500	U	500	U
Chromium	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Copper	2.0	U	0.3	J	2.0	U	2.0	U	2.0	U
Iron	200	U	200	U	200	U	200	U	200	U
Lead	1.0	U	0.21	J	0.26	J	1.0	U	1.0	U
Magnesium	500	U	500	U	500	U	500	U	500	U
Manganese	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Molybdenum	5.0	U	0.46	J	0.62	J	5.0	U	5.0	U
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Potassium	500	U	500	U	500	U	500	U	500	U
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Silver	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Sodium	500	U	500	U	500	U	500	U	500	U
Thallium	1.0	U	0.1	J	1.0	U	1.0	U	1.0	U
Vanadium	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
Zinc	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U

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Preparation Blank Matrix :

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

Analytical Method: ICP-MS Preparation Batch:

Run Batch: LB134140 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB024	Q	ID: CCB025	Q	ID:	Q	ID:	Q
Aluminum			20.0	U	20.0	U				
Antimony			0.26	J	2.0	U				
Arsenic			1.0	U	1.0	U				
Barium			10.0	U	10.0	U				
Beryllium			1.0	U	1.0	U				
Cadmium			1.0	U	1.0	U				
Calcium			35	J	500	U				
Chromium			2.0	U	2.0	U				
Cobalt			1.0	U	1.0	U				
Copper			0.21	J	2.0	U				
Iron			200	U	200	U				
Lead			0.31	J	1.0	U				
Magnesium			500	U	500	U				
Manganese			1.0	U	1.0	U				
Molybdenum			0.7	J	5.0	U				
Nickel			1.0	U	1.0	U				
Potassium			500	U	500	U				
Selenium			5.0	U	5.0	U				
Silver			0.09	J	1.0	U				
Sodium			500	U	500	U				
Thallium			0.09	J	1.0	U				
Vanadium			5.0	U	5.0	U				
Zinc			5.0	U	5.0	U				

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Preparation Blank Matrix :

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

Analytical Method: ICP-MS Preparation Batch:

Run Batch: LB134219 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:	Q	ID:	Q
Aluminum	20.0	U	20.0	U	20.0	U				
Antimony	2.0	U	2.0	U	0.24	J				
Arsenic	1.0	U	1.0	U	1.0	U				
Barium	10.0	U	10.0	U	0.6	J				
Beryllium	1.0	U	1.0	U	1.0	U				
Cadmium	-0.29	J	-0.23	J	-0.23	J				
Calcium	500	U	500	U	64	J				
Chromium	2.0	U	2.0	U	2.0	U				
Cobalt	1.0	U	1.0	U	1.0	U				
Copper	2.0	U	0.53	J	0.89	J				
Iron	200	U	200	U	18	J				
Lead	1.0	U	1.0	U	0.6	J				
Magnesium	500	U	500	U	34	J				
Manganese	1.0	U	1.0	U	0.68	J				
Molybdenum	0.27	J	4.0	U	1.2	J				
Nickel	1.0	U	1.0	U	1.0	U				
Potassium	500	U	500	U	500	U				
Selenium	5.0	U	5.0	U	5.0	U				
Silver	1.0	U	1.0	U	0.17	J				
Sodium	500	U	500	U	500	U				
Thallium	1.0	U	1.0	U	0.16	J				
Vanadium	5.0	U	5.0	U	0.07	J				
Zinc	5.0	U	5.0	U	5.0	U				