

FORM 3 - IN
BLANKS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301
 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: PB166384
 Run Batch: LB134522 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: PBS384	Q
Aluminum	20.0	U	8.0	J	20.0	U	20.0	U	1.9	J
Antimony	0.14	J	2.0	U	0.11	J	0.26	J	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	0.84	J	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	-0.2	J	1.0	U	0.5	U
Calcium	500	U	27	J	25	J	87	J	4.0	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	0.08	J	0.5	U
Copper	2.0	U	2.0	U	0.29	J	0.83	J	1.0	U
Iron	200	U	200	U	200	U	18	J	1.3	J
Lead	1.0	U	0.39	J	0.31	J	0.84	J	0.06	J
Magnesium	500	U	500	U	500	U	38	J	3.3	J
Manganese	1.0	U	1.0	U	0.34	J	0.82	J	0.5	U
Nickel	-0.27	J	-0.34	J	1.0	U	-0.44	J	-0.2	J
Potassium	500	U	500	U	500	U	500	U	-1.1	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	0.24	J	0.5	U
Sodium	500	U	500	U	500	U	500	U	15	J
Thallium	1.0	U	0.09	J	0.08	J	0.24	J	0.5	U
Vanadium	5.0	U	5.0	U	5.0	U	0.09	J	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: LB134522 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB014	Q	ID:	Q	ID:	Q	ID:	Q
Aluminum			20.0	U						
Antimony			0.24	J						
Arsenic			1.0	U						
Barium			0.72	J						
Beryllium			1.0	U						
Cadmium			1.0	U						
Calcium			73	J						
Chromium			2.0	U						
Cobalt			0.07	J						
Copper			0.71	J						
Iron			17	J						
Lead			0.69	J						
Magnesium			35	J						
Manganese			0.84	J						
Nickel			-0.58	J						
Potassium			500	U						
Selenium			5.0	U						
Silver			0.17	J						
Sodium			500	U						
Thallium			0.17	J						
Vanadium			0.06	J						
Zinc			5.0	U						

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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: PB166570

Run Batch: LB134612 Preparation Method: 200.8

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: PBW570	Q
Aluminum	20.0	U	20.0	U	20.0	U	20.0	U	20.0	U
Antimony	2.0	U	2.0	U	0.14	J	0.14	J	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	0.08	J	0.15	J	0.15	J	1.0	U
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Calcium	500	U	500	U	500	U	500	U	500	U
Chromium	-0.14	J	-0.16	J	-0.15	J	2.0	U	-0.21	J
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Copper	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Iron	200	U	200	U	200	U	200	U	200	U
Lead	1.0	U	1.0	U	0.29	J	0.26	J	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
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	0.24	J
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	1.0	U	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: LB134612 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB004	Q	ID: CCB005	Q	ID: CCB006	Q	ID:	Q
Aluminum			20.0	U	20.0	U	20.0	U		
Antimony			2.0	U	0.14	J	2.0	U		
Arsenic			1.0	U	1.0	U	1.0	U		
Barium			10.0	U	10.0	U	10.0	U		
Beryllium			1.0	U	0.2	J	0.27	J		
Cadmium			1.0	U	1.0	U	1.0	U		
Calcium			500	U	500	U	500	U		
Chromium			2.0	U	0.1	J	0.15	J		
Cobalt			1.0	U	1.0	U	1.0	U		
Copper			2.0	U	2.0	U	2.0	U		
Iron			200	U	200	U	200	U		
Lead			1.0	U	0.28	J	0.23	J		
Magnesium			500	U	500	U	500	U		
Manganese			1.0	U	1.0	U	1.0	U		
Nickel			0.25	J	0.34	J	0.4	J		
Potassium			500	U	500	U	500	U		
Selenium			5.0	U	5.0	U	5.0	U		
Silver			1.0	U	1.0	U	1.0	U		
Sodium			500	U	500	U	500	U		
Thallium			1.0	U	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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Analytical Method: ICP-MS Preparation Batch:
Run Batch: LB134612 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB007	Q	ID: CCB008	Q	ID:	Q	ID:	Q
Aluminum			20.0	U	20.0	U				
Antimony			2.0	U	0.15	J				
Arsenic			1.0	U	1.0	U				
Barium			10.0	U	10.0	U				
Beryllium			0.21	J	0.21	J				
Cadmium			1.0	U	1.0	U				
Calcium			500	U	500	U				
Chromium			2.0	U	-0.2	J				
Cobalt			1.0	U	1.0	U				
Copper			2.0	U	2.0	U				
Iron			200	U	200	U				
Lead			1.0	U	0.29	J				
Magnesium			500	U	500	U				
Manganese			1.0	U	1.0	U				
Nickel			0.42	J	0.27	J				
Potassium			500	U	500	U				
Selenium			5.0	U	5.0	U				
Silver			1.0	U	1.0	U				
Sodium			500	U	500	U				
Thallium			1.0	U	1.0	U				
Vanadium			5.0	U	5.0	U				
Zinc			5.0	U	5.0	U				