FORM 3 - IN
BLANKS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: 51779 MA No. : SDG No.: MYCZ39

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: PB165541

Run Batch: LB133948 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: PBS541	Q
Antimony	2.0	U	0.24	J	0.23	J	0.21	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	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
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	0.23	J	0.25	J	0.34	J	1.0	U
Lead	1.0	U	0.29	J	0.26	J	0.25	J	0.5	U
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	0.5	U
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	-0.4	J
Silver	1.0	U	0.09	J	0.11	J	0.1	J	0.5	U
Thallium	1.0	U	0.12	J	0.09	J	0.09	J	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 (µg/L, mg/L, mg/kg dry weight, or µg):

Analytical Method: ICP-MS Preparation Batch:

Run Batch: LB133948 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
Antimony			0.2	J	0.18	J	0.26	J		
Arsenic			1.0	U	1.0	U	1.0	U		
Barium			10.0	U	10.0	U	0.55	J		
Beryllium			1.0	U	1.0	U	1.0	U		
Cadmium			1.0	U	1.0	U	1.0	U		
Chromium			2.0	U	2.0	U	2.0	U		
Cobalt			1.0	U	1.0	U	1.0	U		
Copper			0.31	J	2.0	U	0.36	J		
Lead			0.22	J	1.0	U	0.51	J		
Nickel			1.0	U	1.0	U	1.0	U		
Selenium			5.0	U	5.0	U	5.0	U		
Silver			0.1	J	1.0	U	0.15	J		
Thallium			0.08	J	1.0	U	0.12	J		
Vanadium			5.0	U	5.0	U	0.04	J		
Zinc			5.0	U	5.0	U	5.0	U		

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Preparation Blank Matrix :

Preparation Blank Concentration Units (µg/L, mg/L, mg/kg dry weight, or µg):

Analytical Method: ICP-MS Preparation Batch:

Run Batch: LB133948 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB007	Q	ID:	Q	ID:	Q	ID:	Q
Antimony			0.21	J						
Arsenic			1.0	U						
Barium			10.0	U						
Beryllium			1.0	U						
Cadmium			1.0	U						
Chromium			2.0	U						
Cobalt			1.0	U						
Copper			0.22	J						
Lead			0.15	J						
Nickel			1.0	U						
Selenium			5.0	U						
Silver			1.0	U						
Thallium			1.0	U						
Vanadium			5.0	U						
Zinc			5.0	U						

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Preparation Blank Matrix :

Preparation Blank Concentration Units (µg/L, mg/L, mg/kg dry weight, or µg):

Analytical Method: ICP-MS Preparation Batch:

Run Batch: LB134003 Preparation Method:

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:	Q
Antimony	2.0	U	0.21	J	0.23	J	0.2	J		
Arsenic	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		
Beryllium	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		
Chromium	2.0	U	0.23	J	0.21	J	2.0	U		
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U		
Copper	2.0	U	0.45	J	0.37	J	0.35	J		
Lead	1.0	U	0.36	J	0.25	J	0.16	J		
Nickel	1.0	U	1.0	U	1.0	U	1.0	U		
Selenium	5.0	U	5.0	U	5.0	U	5.0	U		
Silver	1.0	U	0.1	J	0.09	J	1.0	U		
Thallium	1.0	U	0.14	J	0.09	J	1.0	U		
Vanadium	5.0	U	5.0	U	0.04	J	5.0	U		
Zinc	5.0	U	5.0	U	5.0	U	5.0	U		

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Preparation Blank Matrix :

Preparation Blank Concentration Units (µg/L, mg/L, mg/kg dry weight, or µg):

Analytical Method: ICP-MS Preparation Batch:

Run Batch: LB134025 Preparation Method:

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:	Q
Antimony	2.0	U	0.19	J	0.25	J	0.23	J		
Arsenic	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		
Beryllium	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		
Chromium	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		
Copper	2.0	U	0.21	J	0.43	J	0.31	J		
Lead	1.0	U	0.31	J	0.39	J	0.38	J		
Nickel	1.0	U	1.0	U	1.0	U	1.0	U		
Selenium	5.0	U	5.0	U	5.0	U	5.0	U		
Silver	1.0	U	1.0	U	0.11	J	0.11	J		
Thallium	1.0	U	0.14	J	0.11	J	0.08	J		
Vanadium	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		

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Preparation Blank Concentration Units (µg/L, mg/L, mg/kg dry weight, or µg):

Analytical Method: ICP-MS Preparation Batch:

Run Batch: LB134025 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: CCB026	Q	ID:	Q
Antimony			0.22	J	2.0	U	0.21	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		
Chromium			2.0	U	2.0	U	2.0	U		
Cobalt			1.0	U	1.0	U	1.0	U		
Copper			0.84	J	0.43	J	0.45	J		
Lead			0.35	J	1.0	U	0.35	J		
Nickel			1.0	U	1.0	U	1.0	U		
Selenium			5.0	U	5.0	U	5.0	U		
Silver			0.11	J	1.0	U	0.11	J		
Thallium			1.0	U	1.0	U	0.09	J		
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: LB134025 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB027	Q	ID: CCB028	Q	ID:	Q	ID:	Q
Antimony			0.18	J	0.18	J				
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				
Chromium			2.0	U	2.0	U				
Cobalt			1.0	U	1.0	U				
Copper			0.56	J	0.55	J				
Lead			0.26	J	0.25	J				
Nickel			1.0	U	1.0	U				
Selenium			5.0	U	5.0	U				
Silver			0.09	J	0.09	J				
Thallium			0.08	J	1.0	U				
Vanadium			5.0	U	5.0	U				
Zinc			5.0	U	5.0	U				