

FORM 3 - IN
BLANKS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51698 MA No. : SDG No.: MBHCN1
 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: PB164543
 Run Batch: LB133244 Preparation Method: 3050B

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB002	Q	ID: CCB009	Q	ID: CCB010	Q	ID: CCB011	Q	ID: PBS543	Q
Aluminum	200	U	51	J	37	J	28	J	20.0	U
Antimony	60.0	U	60.0	U	60.0	U	60.0	U	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	0.029	J
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U	0.5	U
Calcium	5000	U	5000	U	5000	U	5000	U	500	U
Chromium	0.91	J	2.9	J	1.0	J	1.4	J	1.0	U
Cobalt	50.0	U	50.0	U	50.0	U	50.0	U	5.0	U
Copper	25.0	U	25.0	U	25.0	U	25.0	U	2.5	U
Iron	100	U	43	J	52	J	36	J	2.7	J
Lead	10.0	U	10.0	U	10.0	U	10.0	U	1.0	U
Magnesium	5000	U	5000	U	5000	U	5000	U	500	U
Manganese	15.0	U	15.0	U	1.8	J	1.4	J	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	10.0	U	10.0	U	-2.1	J	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	-10	J	-14	J	-14	J	-13	J	-0.9	J
Zinc	60.0	U	60.0	U	60.0	U	60.0	U	6.0	U

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Analytical Method: ICP-AES Preparation Batch:
Run Batch: LB133244 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB012	Q	ID: CCB013	Q	ID:	Q	ID:	Q
Aluminum			47	J	47	J				
Antimony			60.0	U	60.0	U				
Arsenic			10.0	U	10.0	U				
Barium			200	U	200	U				
Beryllium			5.0	U	5.0	U				
Cadmium			5.0	U	5.0	U				
Calcium			5000	U	5000	U				
Chromium			1.1	J	1.3	J				
Cobalt			50.0	U	50.0	U				
Copper			25.0	U	25.0	U				
Iron			66	J	49	J				
Lead			3.8	J	10.0	U				
Magnesium			5000	U	5000	U				
Manganese			15.0	U	15.0	U				
Nickel			40.0	U	40.0	U				
Potassium			5000	U	-580	J				
Selenium			35.0	U	35.0	U				
Silver			10.0	U	10.0	U				
Sodium			5000	U	5000	U				
Thallium			25.0	U	25.0	U				
Vanadium			50.0	U	-13	J				
Zinc			60.0	U	60.0	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-AES Preparation Batch:

Run Batch: LB133314 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB003	Q	ID: CCB017	Q	ID: CCB018	Q	ID: CCB019	Q	ID:	Q
Aluminum	200	U	32	J	45	J	200	U		
Antimony	60.0	U	60.0	U	60.0	U	60.0	U		
Arsenic	10.0	U	10.0	U	7.3	J	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	0.27	J	5.0	U	5.0	U		
Calcium	5000	U	5000	U	5000	U	5000	U		
Chromium	10.0	U	10.0	U	10.0	U	10.0	U		
Cobalt	50.0	U	50.0	U	50.0	U	50.0	U		
Copper	25.0	U	25.0	U	25.0	U	25.0	U		
Iron	100	U	29	J	31	J	100	U		
Lead	2.9	J	4.3	J	4.5	J	10.0	U		
Magnesium	5000	U	5000	U	5000	U	5000	U		
Manganese	15.0	U	15.0	U	15.0	U	15.0	U		
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	-2.6	J	10.0	U	-1.6	J		
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	12	J	50.0	U	50.0	U		
Zinc	60.0	U	60.0	U	60.0	U	60.0	U		

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Analytical Method: ICP-AES Preparation Batch:
Run Batch: LB133314 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB020	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			25.0	U						
Iron			24	J						
Lead			10.0	U						
Magnesium			5000	U						
Manganese			15.0	U						
Nickel			40.0	U						
Potassium			5000	U						
Selenium			35.0	U						
Silver			-2.0	J						
Sodium			5000	U						
Thallium			25.0	U						
Vanadium			7.6	J						
Zinc			60.0	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-AES Preparation Batch: _____

Run Batch: LB133346 Preparation Method: _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB005	Q	ID: CCB029	Q	ID: CCB030	Q	ID:	Q	ID:	Q
Aluminum	200	U	200	U	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	0.94	J				
Cobalt	50.0	U	50.0	U	50.0	U				
Copper	25.0	U	25.0	U	25.0	U				
Iron	-27	J	100	U	100	U				
Lead	10.0	U	10.0	U	10.0	U				
Magnesium	5000	U	5000	U	5000	U				
Manganese	2.1	J	2.8	J	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	10.0	U	1.7	J	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				