

FORM 3 - IN
BLANKS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHMK3
 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: PB165842
 Run Batch: LB134162 Preparation Method: 3050B

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB052	Q	ID: CCB112	Q	ID: CCB113	Q	ID: CCB114	Q	ID: PBS842	Q
Aluminum	-29	J	200	U	200	U	200	U	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	-6.3	J	10.0	U	-0.54	J
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	0.5	U
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	-1.2	J	10.0	U	10.0	U	1.0	J	1.0	U
Cobalt	50.0	U	50.0	U	50.0	U	50.0	U	5.0	U
Copper	-15	J	25.0	U	-12	J	-8.5	J	-1.1	J
Iron	45	J	100	U	100	U	100	U	10.0	U
Lead	10.0	U	5.1	J	10.0	U	10.0	U	1.0	U
Magnesium	5000	U	5000	U	5000	U	5000	U	500	U
Manganese	1.5	J	15.0	U	15.0	U	15.0	U	0.22	J
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	0.96	J
Silver	1.7	J	-1.2	J	10.0	U	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	-11	J	-7.3	J	-9.1	J	50.0	U	-1.1	J
Zinc	60.0	U	60.0	U	60.0	U	60.0	U	6.0	U

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Preparation Blank Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, or μg):
Analytical Method: ICP-AES Preparation Batch:
Run Batch: LB134162 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB115	Q	ID: CCB116	Q	ID: CCB117	Q	ID:	Q
Aluminum			22	J	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	10.0	U		
Cobalt			50.0	U	50.0	U	50.0	U		
Copper			-5.6	J	-15	J	5.9	J		
Iron			24	J	100	U	37	J		
Lead			10.0	U	3.4	J	10.0	U		
Magnesium			5000	U	5000	U	5000	U		
Manganese			15.0	U	15.0	U	2.3	J		
Nickel			40.0	U	40.0	U	40.0	U		
Potassium			5000	U	5000	U	5000	U		
Selenium			35.0	U	35.0	U	12	J		
Silver			10.0	U	10.0	U	10.0	U		
Sodium			5000	U	5000	U	5000	U		
Thallium			25.0	U	25.0	U	25.0	U		
Vanadium			50.0	U	50.0	U	-15	J		
Zinc			60.0	U	60.0	U	60.0	U		

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Analytical Method: ICP-AES Preparation Batch:
Run Batch: LB134162 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB118	Q	ID: CCB119	Q	ID:	Q	ID:	Q
Aluminum			200	U	24	J				
Antimony			60.0	U	60.0	U				
Arsenic			6.0	J	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			10.0	U	10.0	U				
Cobalt			50.0	U	50.0	U				
Copper			-9.8	J	25.0	U				
Iron			100	U	68	J				
Lead			10.0	U	4.1	J				
Magnesium			5000	U	5000	U				
Manganese			1.7	J	4.6	J				
Nickel			40.0	U	40.0	U				
Potassium			5000	U	5000	U				
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	50.0	U				
Zinc			60.0	U	60.0	U				

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Analytical Method: ICP-AES Preparation Batch:
Run Batch: LB134174 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB053	Q	ID: CCB120	Q	ID: CCB121	Q	ID: CCB122	Q	ID:	Q
Aluminum	200	U	40	J	33	J	47	J		
Antimony	60.0	U	60.0	U	60.0	U	60.0	U		
Arsenic	10.0	U	10.0	U	-6.1	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	5.0	U	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	-17	J	25.0	U	-22	J	-22	J		
Iron	-37	J	-34	J	-43	J	-37	J		
Lead	10.0	U	-3.8	J	10.0	U	10.0	U		
Magnesium	5000	U	5000	U	5000	U	-150	J		
Manganese	1.4	J	15.0	U	2.1	J	3.1	J		
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	10.0	U	10.0	U	10.0	U		
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	-21	J	-12	J	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: LB134174 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB123	Q	ID: CCB124	Q	ID: CCB125	Q	ID:	Q
Aluminum			200	U	55	J	62	J		
Antimony			60.0	U	60.0	U	60.0	U		
Arsenic			-6.2	J	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	10.0	U		
Cobalt			50.0	U	50.0	U	50.0	U		
Copper			25.0	U	25.0	U	25.0	U		
Iron			100	U	-35	J	100	U		
Lead			10.0	U	10.0	U	10.0	U		
Magnesium			5000	U	5000	U	5000	U		
Manganese			3.4	J	4.3	J	3.3	J		
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	1.9	J	10.0	U		
Sodium			5000	U	5000	U	5000	U		
Thallium			25.0	U	25.0	U	25.0	U		
Vanadium			50.0	U	-8.0	J	50.0	U		
Zinc			60.0	U	60.0	U	60.0	U		

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Analytical Method: ICP-AES Preparation Batch:
Run Batch: LB134174 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB126	Q	ID: CCB127	Q	ID:	Q	ID:	Q
Aluminum			200	U	200	U				
Antimony			60.0	U	60.0	U				
Arsenic			10.0	U	-5.4	J				
Barium			200	U	9.4	J				
Beryllium			5.0	U	5.0	U				
Cadmium			5.0	U	5.0	U				
Calcium			5000	U	5000	U				
Chromium			0.81	J	10.0	U				
Cobalt			50.0	U	50.0	U				
Copper			-18	J	25.0	U				
Iron			-52	J	-34	J				
Lead			10.0	U	10.0	U				
Magnesium			5000	U	5000	U				
Manganese			9.2	J	5.7	J				
Nickel			40.0	U	40.0	U				
Potassium			5000	U	5000	U				
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	-11	J				
Zinc			60.0	U	60.0	U				

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Preparation Blank Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, or μg):
Analytical Method: ICP-AES Preparation Batch:
Run Batch: LB134186 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB054	Q	ID: CCB128	Q	ID: CCB129	Q	ID: CCB130	Q	ID:	Q
Aluminum	200	U	200	U	-41	J	200	U		
Antimony	60.0	U	60.0	U	60.0	U	60.0	U		
Arsenic	10.0	U	10.0	U	-6.7	J	5.0	J		
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	5.0	U	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	-5.9	J	-13	J	-13	J	25.0	U		
Iron	67	J	69	J	50	J	-54	J		
Lead	10.0	U	3.6	J	3.5	J	6.5	J		
Magnesium	5000	U	5000	U	5000	U	220	J		
Manganese	1.7	J	1.7	J	4.8	J	3.2	J		
Nickel	40.0	U	40.0	U	40.0	U	40.0	U		
Potassium	980	J	2000	J	1400	J	920	J		
Selenium	35.0	U	35.0	U	35.0	U	35.0	U		
Silver	5.1	J	1.7	J	3.5	J	2.3	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	-11	J	50.0	U	50.0	U		
Zinc	60.0	U	60.0	U	60.0	U	60.0	U		

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Preparation Blank Matrix :

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Analytical Method: ICP-AES Preparation Batch:

Run Batch: LB134186 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB131	Q	ID:	Q	ID:	Q	ID:	Q
Aluminum			78	J						
Antimony			60.0	U						
Arsenic			6.7	J						
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			21	J						
Lead			4.5	J						
Magnesium			5000	U						
Manganese			1.4	J						
Nickel			40.0	U						
Potassium			1300	J						
Selenium			35.0	U						
Silver			3.8	J						
Sodium			5000	U						
Thallium			25.0	U						
Vanadium			18	J						
Zinc			60.0	U						