

FORM 3 - IN
BLANKS

Lab Name: Alliance Technical Group, LLC	Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51879	MA No. : SDG No.: MBHKZ7
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: LB133990	Preparation Method: _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB006	Q	ID: CCB049	Q	ID: CCB050	Q	ID: CCB051	Q	ID:	Q
Aluminum	200	U	200	U	200	U	200	U		
Antimony	60.0	U	60.0	U	60.0	U	60.0	U		
Arsenic	10.0	U	10.0	U	10.0	U	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	8.5	J	10	J	8.2	J	6.2	J		
Iron	100	U	100	U	100	U	25	J		
Lead	10.0	U	10.0	U	10.0	U	10.0	U		
Magnesium	5000	U	5000	U	5000	U	5000	U		
Manganese	15.0	U	15.0	U	-2.3	J	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	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	50.0	U	50.0	U	50.0	U		
Zinc	14	J	60.0	U	29	J	19	J		

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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: LB133990 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB052	Q	ID: CCB053	Q	ID:	Q	ID:	Q
Aluminum			200	U	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			1.2	J	1.6	J				
Cobalt			50.0	U	50.0	U				
Copper			25.0	U	25.0	U				
Iron			100	U	100	U				
Lead			10.0	U	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	5000	U				
Selenium			35.0	U	35.0	U				
Silver			10.0	U	10.0	U				
Sodium			-1300	J	5000	U				
Thallium			25.0	U	25.0	U				
Vanadium			50.0	U	10	J				
Zinc			15	J	24	J				

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 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: PB165506
 Run Batch: LB134161 Preparation Method: 3050B

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB051	Q	ID: CCB100	Q	ID: CCB101	Q	ID: CCB102	Q	ID: PBS506	Q
Aluminum	200	U	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	10		10.0	U	1.0	U
Barium	200	U	200	U	200	U	200	U	-0.63	J
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	10.0	U	10.0	U	-1.1	J	10.0	U	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	7.1	J	-19	J	-0.61	J
Iron	100	U	100	U	100	U	43	J	10.0	U
Lead	-3.3	J	10.0	U	10.0	U	10.0	U	1.0	U
Magnesium	-200	J	5000	U	5000	U	5000	U	500	U
Manganese	15.0	U	15.0	U	15.0	U	1.6	J	0.45	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	3.5	U
Silver	10.0	U	10.0	U	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	50.0	U	50.0	U	-17	J	50.0	U	-0.48	J
Zinc	60.0	U	60.0	U	60.0	U	60.0	U	6.0	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: LB134161 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB103	Q	ID: CCB104	Q	ID: CCB105	Q	ID:	Q
Aluminum			68	J	74	J	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			-9.4	J	-11	J	25.0	U		
Iron			100	U	24	J	45	J		
Lead			10.0	U	10.0	U	10.0	U		
Magnesium			5000	U	5000	U	5000	U		
Manganese			3.9	J	4.4	J	4.7	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			1.7	J	10.0	U	1.6	J		
Sodium			5000	U	5000	U	5000	U		
Thallium			25.0	U	25.0	U	25.0	U		
Vanadium			50.0	U	-9.1	J	-7.7	J		
Zinc			60.0	U	60.0	U	60.0	U		

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Analytical Method: ICP-AES Preparation Batch:
Run Batch: LB134161 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB106	Q	ID: CCB107	Q	ID: CCB108	Q	ID:	Q
Aluminum			200	U	20	J	200	U		
Antimony			60.0	U	60.0	U	60.0	U		
Arsenic			9.3	J	8.9	J	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	-5.8	J	25.0	U		
Iron			71	J	33	J	21	J		
Lead			10.0	U	10.0	U	10.0	U		
Magnesium			5000	U	-220	J	-180	J		
Manganese			2.2	J	5.6	J	3.4	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	10.0	U	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		

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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: ICB052	Q	ID: CCB112	Q	ID: CCB113	Q	ID:	Q	ID:	Q
Aluminum	-29	J	200	U	200	U				
Antimony	60.0	U	60.0	U	60.0	U				
Arsenic	10.0	U	10.0	U	-6.3	J				
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	-1.2	J	10.0	U	10.0	U				
Cobalt	50.0	U	50.0	U	50.0	U				
Copper	-15	J	25.0	U	-12	J				
Iron	45	J	100	U	100	U				
Lead	10.0	U	5.1	J	10.0	U				
Magnesium	5000	U	5000	U	5000	U				
Manganese	1.5	J	15.0	U	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	1.7	J	-1.2	J	10.0	U				
Sodium	5000	U	5000	U	5000	U				
Thallium	25.0	U	25.0	U	25.0	U				
Vanadium	-11	J	-7.3	J	-9.1	J				
Zinc	60.0	U	60.0	U	60.0	U				