

FORM 3 - IN
BLANKS

Lab Name: <u>Alliance Technical Group, LLC</u>	Contract: <u>68HERH20D0011</u>
Lab Code: <u>ACE</u> Case No.: <u>51879</u>	MA No. : _____ SDG No.: <u>MBHJJ2</u>
Preparation Blank Matrix : _____	
Preparation Blank Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, or μg): _____	
Analytical Method: <u>ICP-AES</u>	Preparation Batch: _____
Run Batch: <u>LB134114</u>	Preparation Method: _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB003	Q	ID: CCB019	Q	ID: CCB020	Q	ID: CCB021	Q	ID:	Q
Aluminum	200	U	46	J	200	U	200	U		
Antimony	60.0	U	60.0	U	-6.3	J	-6.5	J		
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	0.29	J	5.0	U	5.0	U		
Calcium	5000	U	5000	U	5000	U	5000	U		
Chromium	-1.5	J	1.2	J	-1.5	J	-0.8	J		
Cobalt	50.0	U	50.0	U	50.0	U	50.0	U		
Copper	-6.1	J	25.0	U	-11	J	25.0	U		
Iron	100	U	79	J	20	J	35	J		
Lead	-3.6	J	10.0	U	10.0	U	3.7	J		
Magnesium	5000	U	5000	U	5000	U	5000	U		
Manganese	15.0	U	1.7	J	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	1.6	J	1.7	J	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	-12	J	7.5	J	-10	J	-10	J		
Zinc	60.0	U	60.0	U	60.0	U	32	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: LB134114 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB022	Q	ID: CCB023	Q	ID: CCB024	Q	ID:	Q
Aluminum			42	J	200	U	23	J		
Antimony			60.0	U	60.0	U	60.0	U		
Arsenic			10.0	U	10.0	U	10.0	U		
Barium			200	U	-7.2	J	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			-1.5	J	-0.8	J	-1.7	J		
Cobalt			50.0	U	50.0	U	50.0	U		
Copper			25.0	U	-6.3	J	-13	J		
Iron			27	J	100	U	24	J		
Lead			3.3	J	3.8	J	10.0	U		
Magnesium			5000	U	5000	U	5000	U		
Manganese			15.0	U	1.6	J	2.3	J		
Nickel			40.0	U	40.0	U	40.0	U		
Potassium			590	J	5000	U	5000	U		
Selenium			35.0	U	35.0	U	35.0	U		
Silver			1.6	J	1.6	J	10.0	U		
Sodium			5000	U	5000	U	5000	U		
Thallium			25.0	U	25.0	U	25.0	U		
Vanadium			-8.4	J	50.0	U	50.0	U		
Zinc			33	J	32	J	31	J		

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Lab Code: ACE Case No.: 51879	MA No. : SDG No.: MBHJJ2
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: LB134114	Preparation Method: _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB025	Q	ID: CCB026	Q	ID: CCB027	Q	ID:	Q
Aluminum			40	J	200	U	200	U		
Antimony			60.0	U	60.0	U	60.0	U		
Arsenic			10.0	U	10.0	U	6.0	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			10.0	U	-1.5	J	10.0	U		
Cobalt			50.0	U	50.0	U	50.0	U		
Copper			-6.3	J	-5.6	J	25.0	U		
Iron			31	J	100	U	51	J		
Lead			3.6	J	2.9	J	10.0	U		
Magnesium			5000	U	5000	U	5000	U		
Manganese			6.4	J	15.0	U	3.2	J		
Nickel			40.0	U	40.0	U	40.0	U		
Potassium			800	J	700	J	820	J		
Selenium			35.0	U	35.0	U	35.0	U		
Silver			1.3	J	1.7	J	1.2	J		
Sodium			5000	U	5000	U	5000	U		
Thallium			25.0	U	25.0	U	25.0	U		
Vanadium			-7.3	J	50.0	U	-5.8	J		
Zinc			32	J	31	J	32	J		

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

Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHJJ2

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: LB134114 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB028	Q	ID: CCB029	Q	ID: CCB030	Q	ID:	Q
Aluminum			-25	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			-1.3	J	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			36	J	49	J	71	J		
Lead			10.0	U	10.0	U	5.2	J		
Magnesium			5000	U	160	J	5000	U		
Manganese			1.8	J	2.9	J	3.9	J		
Nickel			40.0	U	40.0	U	40.0	U		
Potassium			670	J	770	J	840	J		
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			-17	J	50.0	U	50.0	U		
Zinc			33	J	32	J	33	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: LB134114	Preparation Method: _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB031	Q	ID:	Q	ID:	Q	ID:	Q
Aluminum			-23	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			49	J						
Lead			3.7	J						
Magnesium			5000	U						
Manganese			2.8	J						
Nickel			40.0	U						
Potassium			790	J						
Selenium			35.0	U						
Silver			1.8	J						
Sodium			5000	U						
Thallium			25.0	U						
Vanadium			50.0	U						
Zinc			32	J						

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Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHJJ2
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: LB134132 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB005	Q	ID: CCB049	Q	ID: CCB050	Q	ID: CCB051	Q	ID:	Q
Aluminum	200	U	23	J	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	0.35	J		
Calcium	5000	U	5000	U	5000	U	5000	U		
Chromium	10.0	U	10.0	U	1.5	J	2.0	J		
Cobalt	50.0	U	50.0	U	50.0	U	50.0	U		
Copper	6.2	J	25.0	U	25.0	U	25.0	U		
Iron	-23	J	40	J	33	J	26	J		
Lead	10.0	U	3.0	J	10.0	U	4.6	J		
Magnesium	5000	U	5000	U	5000	U	5000	U		
Manganese	15.0	U	15.0	U	1.4	J	3.0	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	1.2	J	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	-7.1	J	50.0	U	50.0	U	-6.2	J		
Zinc	60.0	U	60.0	U	60.0	U	60.0	U		

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

Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHJJ2

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: LB134139 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB006	Q	ID: CCB053	Q	ID: CCB054	Q	ID:	Q	ID:	Q
Aluminum	200	U	80	J	200	U				
Antimony	60.0	U	60.0	U	60.0	U				
Arsenic	10.0	U	10.0	U	-5.1	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	-1.0	J	-0.99	J	-1.1	J				
Cobalt	50.0	U	50.0	U	50.0	U				
Copper	25.0	U	25.0	U	25.0	U				
Iron	-38	J	100	U	100	U				
Lead	10.0	U	10.0	U	10.0	U				
Magnesium	5000	U	5000	U	5000	U				
Manganese	-9.2	J	-6.0	J	-3.8	J				
Nickel	40.0	U	40.0	U	40.0	U				
Potassium	-1100	J	-970	J	5000	U				
Selenium	-11	J	35.0	U	35.0	U				
Silver	-1.4	J	-1.2	J	-1.8	J				
Sodium	5000	U	5000	U	5000	U				
Thallium	25.0	U	25.0	U	25.0	U				
Vanadium	-8.0	J	50.0	U	50.0	U				
Zinc	-9.9	J	60.0	U	60.0	U				

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHJJ2
 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: PB165326
 Run Batch: LB134151 Preparation Method: 3050B

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB007	Q	ID: CCB055	Q	ID: CCB056	Q	ID:	Q	ID: PBS326	Q
Aluminum	34	J	200	U	200	U			20.0	U
Antimony	60.0	U	-7.1	J	60.0	U			-0.66	J
Arsenic	10.0	U	10.0	U	10.0	U			1.0	U
Barium	200	U	200	U	200	U			20.0	U
Beryllium	5.0	U	5.0	U	5.0	U			0.5	U
Cadmium	5.0	U	5.0	U	5.0	U			0.5	U
Calcium	5000	U	5000	U	5000	U			500	U
Chromium	10.0	U	0.89	J	10.0	U			1.0	U
Cobalt	50.0	U	50.0	U	50.0	U			5.0	U
Copper	25.0	U	25.0	U	25.0	U			2.5	U
Iron	42	J	99	J	31	J			6.3	J
Lead	10.0	U	10.0	U	10.0	U			1.0	U
Magnesium	-210	J	5000	U	-170	J			500	U
Manganese	7.6	J	7.9	J	4.5	J			0.46	J
Nickel	40.0	U	40.0	U	40.0	U			4.0	U
Potassium	5000	U	5000	U	1100	J			500	U
Selenium	35.0	U	35.0	U	35.0	U			3.5	U
Silver	10.0	U	10.0	U	10.0	U			1.0	U
Sodium	5000	U	5000	U	2300	J			500	U
Thallium	25.0	U	25.0	U	25.0	U			2.5	U
Vanadium	50.0	U	50.0	U	50.0	U			5.0	U
Zinc	60.0	U	60.0	U	60.0	U			6.0	U