

FORM 3 - IN
BLANKS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHL70
 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: PB165494
 Run Batch: LB134014 Preparation Method: 3050B

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB007	Q	ID: CCB060	Q	ID: CCB061	Q	ID: CCB062	Q	ID: PBS494	Q
Aluminum	200	U	200	U	20	J	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	10.0	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	0.5	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	0.96	J	1.7	J	1.5	J	1.0	U
Cobalt	50.0	U	50.0	U	50.0	U	50.0	U	5.0	U
Copper	-5.9	J	25.0	U	25.0	U	25.0	U	2.5	U
Iron	27	J	35	J	47	J	45	J	10.0	U
Lead	10.0	U	10.0	U	3.0	J	10.0	U	1.0	U
Magnesium	5000	U	5000	U	5000	U	5000	U	500	U
Manganese	15.0	U	3.1	J	3.7	J	3.3	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	10.0	U	10.0	U	1.0	U
Sodium	5000	U	5000	U	5000	U	1400	J	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	50.0	U	50.0	U	5.0	U
Zinc	60.0	U	20	J	60.0	U	60.0	U	6.0	U

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Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHL70

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: LB134014 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB063	Q	ID: CCB064	Q	ID: CCB065	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	1.2	J	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	100	U	26	J		
Lead			3.9	J	10.0	U	3.1	J		
Magnesium			5000	U	5000	U	5000	U		
Manganese			4.2	J	2.0	J	3.5	J		
Nickel			40.0	U	40.0	U	40.0	U		
Potassium			5000	U	5000	U	630	J		
Selenium			35.0	U	35.0	U	35.0	U		
Silver			10.0	U	10.0	U	10.0	U		
Sodium			1800	J	1300	J	5000	U		
Thallium			25.0	U	25.0	U	25.0	U		
Vanadium			50.0	U	50.0	U	50.0	U		
Zinc			14	J	16	J	13	J		

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Lab Code: ACE Case No.: 51879 MA No.: SDG No.: MBHL70

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: LB134014 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB066	Q	ID: CCB067	Q	ID:	Q	ID:	Q
Aluminum			24	J	200	U				
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			10.0	U	1.1	J				
Cobalt			50.0	U	50.0	U				
Copper			25.0	U	25.0	U				
Iron			100	U	45	J				
Lead			10.0	U	10.0	U				
Magnesium			5000	U	5000	U				
Manganese			3.7	J	5.3	J				
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	1600	J				
Thallium			25.0	U	25.0	U				
Vanadium			50.0	U	50.0	U				
Zinc			21	J	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: LB134057 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB009	Q	ID: CCB081	Q	ID: CCB082	Q	ID: CCB083	Q	ID:	Q
Aluminum	200	U	200	U	28	J	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	0.3	J	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	100	U	100	U	100	U		
Lead	10.0	U	10.0	U	4.5	J	3.1	J		
Magnesium	5000	U	5000	U	5000	U	5000	U		
Manganese	15.0	U	1.5	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	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	-11	J	-10	J	50.0	U	-9.3	J		
Zinc	60.0	U	60.0	U	60.0	U	8.7	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: LB134057 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB084	Q	ID: CCB085	Q	ID: CCB086	Q	ID:	Q
Aluminum			200	U	200	U	21	J		
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			25.0	U	-5.8	J	25.0	U		
Iron			100	U	20	J	27	J		
Lead			10.0	U	10.0	U	10.0	U		
Magnesium			5000	U	5000	U	140	J		
Manganese			15.0	U	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			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	-15	J		
Zinc			60.0	U	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: LB134057 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB087	Q	ID: CCB088	Q	ID: CCB089	Q	ID:	Q
Aluminum			200	U	23	J	29	J		
Antimony			60.0	U	60.0	U	60.0	U		
Arsenic			10.0	U	5.0	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	0.35	J	5.0	U		
Calcium			5000	U	5000	U	5000	U		
Chromium			10.0	U	1.2	J	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	100	U	100	U		
Lead			10.0	U	4.1	J	10.0	U		
Magnesium			5000	U	5000	U	140	J		
Manganese			15.0	U	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			1.3	J	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	-11	J		
Zinc			60.0	U	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: LB134057 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB090	Q	ID: CCB091	Q	ID: CCB092	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			0.27	J	5.0	U	5.0	U		
Calcium			5000	U	5000	U	5000	U		
Chromium			1.0	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			29	J	37	J	29	J		
Lead			3.1	J	4.1	J	3.1	J		
Magnesium			5000	U	5000	U	5000	U		
Manganese			15.0	U	15.0	U	15.0	U		
Nickel			40.0	U	40.0	U	40.0	U		
Potassium			5000	U	5000	U	-560	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	1700	J		
Thallium			25.0	U	25.0	U	25.0	U		
Vanadium			50.0	U	-5.9	J	-7.0	J		
Zinc			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.: MBHL70
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: LB134057 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB093	Q	ID: CCB094	Q	ID: CCB095	Q	ID:	Q
Aluminum			200	U	29	J	26	J		
Antimony			60.0	U	60.0	U	60.0	U		
Arsenic			5.1	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	0.27	J		
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			7.2	J	25.0	U	25.0	U		
Iron			100	U	33	J	27	J		
Lead			4.0	J	4.5	J	6.2	J		
Magnesium			5000	U	5000	U	5000	U		
Manganese			15.0	U	15.0	U	15.0	U		
Nickel			40.0	U	40.0	U	40.0	U		
Potassium			-760	J	-900	J	-760	J		
Selenium			35.0	U	35.0	U	35.0	U		
Silver			10.0	U	10.0	U	10.0	U		
Sodium			1900	J	2500	J	2000	J		
Thallium			25.0	U	25.0	U	25.0	U		
Vanadium			50.0	U	-11	J	-7.8	J		
Zinc			8.8	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.: MBHL70

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: LB134057 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB096	Q	ID:	Q	ID:	Q	ID:	Q
Aluminum			200	U						
Antimony			60.0	U						
Arsenic			5.2	J						
Barium			200	U						
Beryllium			5.0	U						
Cadmium			0.28	J						
Calcium			5000	U						
Chromium			10.0	U						
Cobalt			50.0	U						
Copper			-11	J						
Iron			45	J						
Lead			5.4	J						
Magnesium			5000	U						
Manganese			1.9	J						
Nickel			40.0	U						
Potassium			-660	J						
Selenium			35.0	U						
Silver			10.0	U						
Sodium			1700	J						
Thallium			25.0	U						
Vanadium			-14	J						
Zinc			10	J						

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHL70
 Preparation Blank Matrix : Water
 Preparation Blank Concentration Units (µg/L, mg/L, mg/kg dry weight, or µg): ug/L
 Analytical Method: ICP-AES Preparation Batch: PB165669
 Run Batch: LB134069 Preparation Method: 200.7

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: PBW669	Q
Aluminum	37	J	38	J	32	J	28	J	200	U
Antimony	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U
Arsenic	10.0	U	10.0	U	-5.2	J	10.0	U	10.0	U
Barium	200	U	200	U	200	U	200	U	200	U
Beryllium	5.0	U	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	5.0	U
Calcium	5000	U	5000	U	5000	U	5000	U	5000	U
Chromium	10.0	U	10.0	U	-1.0	J	-1.1	J	10.0	U
Cobalt	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U
Copper	25.0	U	8.4	J	25.0	U	25.0	U	7.5	J
Iron	100	U	33	J	26	J	31	J	100	U
Lead	10.0	U	3.7	J	10.0	U	3.7	J	10.0	U
Magnesium	5000	U	5000	U	5000	U	5000	U	5000	U
Manganese	15.0	U	1.5	J	2.2	J	15.0	U	15.0	U
Nickel	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U
Potassium	5000	U	5000	U	5000	U	-600	J	-1300	J
Selenium	35.0	U	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	10.0	U
Sodium	5000	U	5000	U	5000	U	5000	U	-1700	J
Thallium	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U
Vanadium	50.0	U	8.1	J	50.0	U	50.0	U	50.0	U
Zinc	60.0	U	60.0	U	60.0	U	60.0	U	-20	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: LB134069 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
Aluminum			61	J	33	J	41	J		
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	0.93	J	10.0	U		
Cobalt			50.0	U	50.0	U	50.0	U		
Copper			8.9	J	25.0	U	5.7	J		
Iron			44	J	67	J	33	J		
Lead			3.2	J	8.2	J	5.1	J		
Magnesium			5000	U	5000	U	5000	U		
Manganese			2.0	J	3.7	J	2.9	J		
Nickel			40.0	U	40.0	U	40.0	U		
Potassium			-620	J	-670	J	-900	J		
Selenium			35.0	U	35.0	U	35.0	U		
Silver			10.0	U	10.0	U	10.0	U		
Sodium			-1800	J	-2000	J	5000	U		
Thallium			25.0	U	25.0	U	25.0	U		
Vanadium			50.0	U	50.0	U	50.0	U		
Zinc			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.: MBHL70
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: LB134069	Preparation Method: _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB007	Q	ID: CCB008	Q	ID: CCB009	Q	ID:	Q
Aluminum			46	J	20	J	38	J		
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			25.0	U	25.0	U	6.7	J		
Iron			53	J	38	J	100	U		
Lead			3.9	J	4.2	J	10.0	U		
Magnesium			5000	U	200	J	5000	U		
Manganese			2.4	J	3.4	J	2.2	J		
Nickel			40.0	U	40.0	U	40.0	U		
Potassium			-1000	J	-1100	J	-1200	J		
Selenium			35.0	U	35.0	U	35.0	U		
Silver			10.0	U	10.0	U	10.0	U		
Sodium			-2000	J	-1600	J	-1400	J		
Thallium			25.0	U	25.0	U	25.0	U		
Vanadium			50.0	U	50.0	U	50.0	U		
Zinc			9.1	J	60.0	U	60.0	U		

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>MBHL70</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>LB134069</u>	Preparation Method: _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB010	Q	ID:	Q	ID:	Q	ID:	Q
Aluminum			56	J						
Antimony			60.0	U						
Arsenic			-6.2	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			31	J						
Lead			5.5	J						
Magnesium			5000	U						
Manganese			2.1	J						
Nickel			40.0	U						
Potassium			-1100	J						
Selenium			35.0	U						
Silver			10.0	U						
Sodium			-1400	J						
Thallium			25.0	U						
Vanadium			50.0	U						
Zinc			60.0	U						