

FORM 3 - IN
BLANKS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHHR1
 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: PB165192
 Run Batch: LB133698 Preparation Method: 3050B

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB011	Q	ID: CCB071	Q	ID: CCB072	Q	ID: CCB073	Q	ID: PBS192	Q
Aluminum	130	J	200	U	100	J	45	J	6.5	J
Antimony	60.0	U	60.0	U	60.0	U	60.0	U	6.0	U
Arsenic	5.6	J	6.1	J	10.0	U	8.7	J	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	1.0	J	0.85	J	10.0	U	1.2	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	100	U	100	U	100	U	10.0	U
Lead	-3.3	J	-3.4	J	10.0	U	10.0	U	-0.3	J
Magnesium	5000	U	5000	U	5000	U	5000	U	500	U
Manganese	15.0	U	15.0	U	15.0	U	15.0	U	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	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	50.0	U	50.0	U	5.0	U
Zinc	60.0	U	60.0	U	60.0	U	60.0	U	6.0	U

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHHR1
 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: PB165190
 Run Batch: LB133698 Preparation Method: 200.7

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB074	Q	ID: CCB075	Q	ID: CCB076	Q	ID: PBW190	Q
Aluminum			200	U	52	J	200	U	200	U
Antimony			60.0	U	60.0	U	60.0	U	60.0	U
Arsenic			10.0	U	6.9	J	10.0	U	9.0	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	1.7	J	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	22	J	100	U
Lead			10.0	U	10.0	U	10.0	U	-4.6	J
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	-620	J	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			60.0	U	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: LB133883	Preparation Method: _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB014	Q	ID: CCB089	Q	ID: CCB090	Q	ID: CCB091	Q	ID:	Q
Aluminum	200	U	130	J	200	U	42	J		
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	-1.1	J	10.0	U		
Cobalt	50.0	U	50.0	U	50.0	U	50.0	U		
Copper	25.0	U	15	J	25.0	U	25.0	U		
Iron	100	U	21	J	22	J	24	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	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	10.0	U	1.3	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	50.0	U	50.0	U	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 : _____	
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>LB133883</u>	Preparation Method: _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB092	Q	ID: CCB093	Q	ID: CCB094	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	10.0	U		
Cobalt			50.0	U	50.0	U	50.0	U		
Copper			9.3	J	6.1	J	25.0	U		
Iron			36	J	40	J	25	J		
Lead			10.0	U	10.0	U	10.0	U		
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			-580	J	-680	J	-670	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			50.0	U	50.0	U	50.0	U		
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: LB133883	Preparation Method: _____

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB095	Q	ID: CCB096	Q	ID:	Q	ID:	Q
Aluminum			200	U	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	10.0	U				
Cobalt			50.0	U	50.0	U				
Copper			25.0	U	10	J				
Iron			100	U	22	J				
Lead			10.0	U	4.6	J				
Magnesium			5000	U	5000	U				
Manganese			15.0	U	15.0	U				
Nickel			40.0	U	40.0	U				
Potassium			-620	J	-540	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	50.0	U				
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: LB133949 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB002	Q	ID: CCB007	Q	ID: CCB008	Q	ID: CCB009	Q	ID:	Q
Aluminum	200	U	200	U	74	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	0.26	J	0.53	J	5.0	U		
Calcium	5000	U	5000	U	5000	U	5000	U		
Chromium	10.0	U	2.0	J	4.7	J	-0.88	J		
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	28	J	71	J	100	U		
Lead	10.0	U	5.7	J	7.2	J	3.2	J		
Magnesium	5000	U	5000	U	150	J	5000	U		
Manganese	15.0	U	2.0	J	3.0	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	1300	J	2400	J	2300	J	1700	J		
Thallium	25.0	U	25.0	U	25.0	U	25.0	U		
Vanadium	-11	J	50.0	U	-7.3	J	50.0	U		
Zinc	60.0	U	60.0	U	10	J	60.0	U		

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Analytical Method: ICP-AES Preparation Batch:
Run Batch: LB133949 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			200	U						
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			100	U						
Lead			10.0	U						
Magnesium			5000	U						
Manganese			15.0	U						
Nickel			40.0	U						
Potassium			5000	U						
Selenium			35.0	U						
Silver			10.0	U						
Sodium			2100	J						
Thallium			25.0	U						
Vanadium			-14	J						
Zinc			60.0	U						