

FORM 3 - IN
BLANKS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHM90
 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: PB165851
 Run Batch: LB134116 Preparation Method: 3050B

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB004	Q	ID: CCB033	Q	ID: CCB034	Q	ID: CCB035	Q	ID: PBS851	Q
Aluminum	200	U	-28	J	200	U	-32	J	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	-0.79	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	1.2	J	1.0	U
Cobalt	50.0	U	50.0	U	50.0	U	50.0	U	5.0	U
Copper	-5.3	J	25.0	U	25.0	U	-7.3	J	2.5	U
Iron	100	U	26	J	100	U	100	U	5.2	J
Lead	10.0	U	3.4	J	10.0	U	3.6	J	1.0	U
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	-96	J
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	-8.7	J	50.0	U	-12	J	-11	J	-1.2	J
Zinc	60.0	U	60.0	U	60.0	U	60.0	U	6.0	U

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Analytical Method: ICP-AES Preparation Batch:

Run Batch: LB134116 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB036	Q	ID: CCB037	Q	ID: CCB038	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			25.0	U	25.0	U	-7.9	J		
Iron			37	J	100	U	20	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			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			50.0	U	-18	J	-15	J		
Zinc			60.0	U	60.0	U	60.0	U		

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Analytical Method: ICP-AES Preparation Batch:

Run Batch: LB134116 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB039	Q	ID: CCB040	Q	ID: CCB041	Q	ID:	Q
Aluminum			36	J	94	J	24	J		
Antimony			60.0	U	60.0	U	60.0	U		
Arsenic			10.0	U	-5.7	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	0.32	J	5.0	U		
Calcium			5000	U	5000	U	5000	U		
Chromium			10.0	U	1.8	J	0.98	J		
Cobalt			50.0	U	50.0	U	50.0	U		
Copper			-6.7	J	-9.6	J	25.0	U		
Iron			100	U	52	J	100	U		
Lead			10.0	U	4.4	J	10.0	U		
Magnesium			5000	U	5000	U	5000	U		
Manganese			15.0	U	1.9	J	15.0	U		
Nickel			40.0	U	40.0	U	40.0	U		
Potassium			5000	U	5000	U	-600	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			-12	J	-20	J	-13	J		
Zinc			60.0	U	60.0	U	60.0	U		

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Analytical Method: ICP-AES Preparation Batch:

Run Batch: LB134116 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB042	Q	ID: CCB043	Q	ID: CCB044	Q	ID:	Q
Aluminum			24	J	200	U	26	J		
Antimony			60.0	U	60.0	U	60.0	U		
Arsenic			10.0	U	-7.0	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	5.0	U	5.0	U		
Calcium			5000	U	5000	U	5000	U		
Chromium			10.0	U	10.0	U	1.3	J		
Cobalt			50.0	U	50.0	U	50.0	U		
Copper			-6.1	J	25.0	U	25.0	U		
Iron			36	J	100	U	100	U		
Lead			10.0	U	10.0	U	10.0	U		
Magnesium			5000	U	5000	U	5000	U		
Manganese			1.7	J	1.6	J	15.0	U		
Nickel			40.0	U	40.0	U	40.0	U		
Potassium			-630	J	-640	J	-710	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	-16	J		
Zinc			60.0	U	60.0	U	60.0	U		

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Analytical Method: ICP-AES Preparation Batch:

Run Batch: LB134116 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB045	Q	ID: CCB046	Q	ID:	Q	ID:	Q
Aluminum			76	J	29	J				
Antimony			60.0	U	60.0	U				
Arsenic			10.0	U	-6.1	J				
Barium			200	U	200	U				
Beryllium			5.0	U	5.0	U				
Cadmium			5.0	U	0.28	J				
Calcium			5000	U	5000	U				
Chromium			10.0	U	1.3	J				
Cobalt			50.0	U	50.0	U				
Copper			-6.0	J	25.0	U				
Iron			26	J	78	J				
Lead			10.0	U	3.4	J				
Magnesium			5000	U	5000	U				
Manganese			15.0	U	2.3	J				
Nickel			40.0	U	40.0	U				
Potassium			-940	J	-970	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			-18	J	-8.5	J				
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: LB134161	Preparation Method: _____

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:	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		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	25.0	U	7.1	J	-19	J		
Iron	100	U	100	U	100	U	43	J		
Lead	-3.3	J	10.0	U	10.0	U	10.0	U		
Magnesium	-200	J	5000	U	5000	U	5000	U		
Manganese	15.0	U	15.0	U	15.0	U	1.6	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	50.0	U	-17	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: 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:	Q	ID:	Q
Aluminum			68	J	74	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			10.0	U	10.0	U				
Cobalt			50.0	U	50.0	U				
Copper			-9.4	J	-11	J				
Iron			100	U	24	J				
Lead			10.0	U	10.0	U				
Magnesium			5000	U	5000	U				
Manganese			3.9	J	4.4	J				
Nickel			40.0	U	40.0	U				
Potassium			5000	U	5000	U				
Selenium			35.0	U	35.0	U				
Silver			1.7	J	10.0	U				
Sodium			5000	U	5000	U				
Thallium			25.0	U	25.0	U				
Vanadium			50.0	U	-9.1	J				
Zinc			60.0	U	60.0	U				