

FORM 3 - IN
BLANKS

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

Lab Code: ACE Case No.: 51716 MA No. : SDG No.: MC0PI1

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: LB133243 Preparation Method:

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:	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	-5.7	J		
Barium	200	U	200	U	200	U	200	U		
Beryllium	5.0	U	5.0	U	5.0	U	5.0	U		
Cadmium	0.26	J	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	25.0	U	25.0	U	25.0	U	25.0	U		
Iron	100	U	26	J	48	J	100	U		
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	1.5	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	-4.3	J	-4.5	J	-4.6	J	-4.6	J		
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	-6.6	J		
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: LB133243 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			62	J	27	J	200	U		
Antimony			60.0	U	60.0	U	60.0	U		
Arsenic			-7.8	J	-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	0.36	J	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	25.0	U		
Iron			100	U	100	U	100	U		
Lead			3.4	J	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			-5.3	J	-4.7	J	-5.0	J		
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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Lab Code: ACE Case No.: 51716 MA No. : SDG No.: MC0PI1
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: LB133243 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB007	Q	ID:	Q	ID:	Q	ID:	Q
Aluminum			39	J						
Antimony			60.0	U						
Arsenic			-7.0	J						
Barium			200	U						
Beryllium			5.0	U						
Cadmium			5.0	U						
Calcium			5000	U						
Chromium			-0.92	J						
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			-5.0	J						
Sodium			5000	U						
Thallium			25.0	U						
Vanadium			50.0	U						
Zinc			60.0	U						

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Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
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 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: PB164537
 Run Batch: LB133417 Preparation Method: 200.7

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB010	Q	ID: CCB064	Q	ID: CCB065	Q	ID: CCB066	Q	ID: PBW537	Q
Aluminum	20	J	22	J	200	U	200	U	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	6.6	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	-0.31	J	5.0	U	5.0	U
Calcium	5000	U	5000	U	5000	U	5000	U	5000	U
Chromium	10.0	U	10.0	U	10.0	U	10.0	U	-1.2	J
Cobalt	50.0	U	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	25.0	U
Iron	-30	J	100	U	100	U	100	U	100	U
Lead	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
Magnesium	5000	U	5000	U	5000	U	5000	U	5000	U
Manganese	-1.8	J	15.0	U	-1.8	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	-1400	J	5000	U
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	5000	U
Thallium	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U
Vanadium	6.8	J	6.6	J	7.7	J	8.7	J	50.0	U
Zinc	60.0	U	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: LB133417 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB067	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			5000	U						
Thallium			25.0	U						
Vanadium			7.8	J						
Zinc			60.0	U						

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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: PB164800
 Run Batch: LB133479 Preparation Method: 3050B

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB002	Q	ID: CCB009	Q	ID: CCB010	Q	ID:	Q	ID: PBS800	Q
Aluminum	200	U	200	U	42	J			20.0	U
Antimony	60.0	U	60.0	U	60.0	U			6.0	U
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	-1.0	J	-1.1	J			-0.093	J
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	100	U	100	U	100	U			10.0	U
Lead	10.0	U	10.0	U	10.0	U			1.0	U
Magnesium	5000	U	5000	U	5000	U			500	U
Manganese	15.0	U	15.0	U	15.0	U			1.5	U
Nickel	40.0	U	40.0	U	40.0	U			4.0	U
Potassium	5000	U	5000	U	5000	U			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	5000	U			500	U
Thallium	25.0	U	25.0	U	25.0	U			2.5	U
Vanadium	50.0	U	-8.3	J	50.0	U			-0.5	J
Zinc	60.0	U	60.0	U	60.0	U			6.0	U

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Preparation Blank Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, or μg):

Analytical Method: ICP-AES Preparation Batch:

Run Batch: LB133481 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB003	Q	ID: CCB012	Q	ID: CCB013	Q	ID: CCB014	Q	ID:	Q
Aluminum	200	U	200	U	21	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	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	1.1	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	100	U	100	U	100	U		
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	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	-2.0	J		
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	-6.6	J		
Zinc	60.0	U	60.0	U	60.0	U	60.0	U		

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Preparation Blank Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, or μg):

Analytical Method: ICP-AES Preparation Batch:

Run Batch: LB133481 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB015	Q	ID: CCB016	Q	ID: CCB017	Q	ID:	Q
Aluminum			50	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			10.0	U	1.1	J	1.1	J		
Cobalt			50.0	U	50.0	U	50.0	U		
Copper			5.5	J	25.0	U	25.0	U		
Iron			100	U	100	U	100	U		
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			-5.8	J	50.0	U	50.0	U		
Zinc			60.0	U	60.0	U	60.0	U		