

FORM 3 - IN
BLANKS

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

Lab Code: ACE Case No.: 51772 MA No.: SDG No.: MYDB12

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: LB133105 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB009	Q	ID: CCB055	Q	ID: CCB056	Q	ID: CCB057	Q	ID:	Q
Aluminum	200	U	36	J	84	J	52	J		
Antimony	60.0	U	60.0	U	60.0	U	60.0	U		
Arsenic	10.0	U	6.1	J	7.0	J	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	1.5	J	0.82	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	24	J	86	J	33	J		
Lead	10.0	U	3.0	J	4.0	J	10.0	U		
Magnesium	5000	U	5000	U	5000	U	5000	U		
Manganese	15.0	U	15.0	U	2.2	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	1.4	J	10.0	U	1.3	J	2.2	J		
Sodium	5000	U	5000	U	5000	U	5000	U		
Thallium	25.0	U	25.0	U	25.0	U	25.0	U		
Vanadium	-7.3	J	-13	J	-9.9	J	-11	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: LB133105 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB058	Q	ID: CCB059	Q	ID: CCB060	Q	ID:	Q
Aluminum			200	U	41	J	69	J		
Antimony			60.0	U	60.0	U	60.0	U		
Arsenic			10.0	U	5.2	J	5.4	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	10.0	U	1.1	J		
Cobalt			50.0	U	50.0	U	50.0	U		
Copper			25.0	U	25.0	U	25.0	U		
Iron			100	U	47	J	50	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	1.8	J	10.0	U		
Sodium			5000	U	5000	U	5000	U		
Thallium			25.0	U	25.0	U	25.0	U		
Vanadium			-9.0	J	-7.4	J	-7.0	J		
Zinc			60.0	U	60.0	U	60.0	U		

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Analytical Method: ICP-AES Preparation Batch:

Run Batch: LB133105 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB061	Q	ID: CCB062	Q	ID: CCB063	Q	ID:	Q
Aluminum			50	J	60	J	100	J		
Antimony			60.0	U	60.0	U	60.0	U		
Arsenic			5.2	J	8.0	J	7.1	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			2.1	J	0.84	J	0.83	J		
Cobalt			50.0	U	50.0	U	50.0	U		
Copper			25.0	U	25.0	U	25.0	U		
Iron			48	J	100	U	33	J		
Lead			3.1	J	10.0	U	10.0	U		
Magnesium			5000	U	5000	U	5000	U		
Manganese			1.5	J	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	1.4	J		
Sodium			5000	U	5000	U	5000	U		
Thallium			25.0	U	25.0	U	25.0	U		
Vanadium			50.0	U	-13	J	-9.9	J		
Zinc			60.0	U	60.0	U	60.0	U		

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Analytical Method: ICP-AES Preparation Batch:

Run Batch: LB133105 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB064	Q	ID: CCB065	Q	ID: CCB066	Q	ID:	Q
Aluminum			61	J	47	J	97	J		
Antimony			60.0	U	60.0	U	60.0	U		
Arsenic			4.9	J	8.7	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	5.0	U	5.0	U		
Calcium			5000	U	5000	U	5000	U		
Chromium			10.0	U	1.1	J	0.96	J		
Cobalt			50.0	U	50.0	U	50.0	U		
Copper			25.0	U	25.0	U	25.0	U		
Iron			44	J	65	J	24	J		
Lead			10.0	U	10.0	U	3.3	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	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	-9.5	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: LB133105 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB067	Q	ID: CCB068	Q	ID: CCB069	Q	ID:	Q
Aluminum			71	J	71	J	69	J		
Antimony			60.0	U	60.0	U	60.0	U		
Arsenic			9.7	J	6.7	J	6.8	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			0.9	J	1.5	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			32	J	56	J	27	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	-6.0	J	50.0	U		
Zinc			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: LB133105 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB070	Q	ID: CCB071	Q	ID:	Q	ID:	Q
Aluminum			52	J	67	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			1.2	J	1.8	J				
Cobalt			50.0	U	50.0	U				
Copper			25.0	U	25.0	U				
Iron			45	J	80	J				
Lead			10.0	U	4.2	J				
Magnesium			5000	U	5000	U				
Manganese			15.0	U	1.5	J				
Nickel			40.0	U	40.0	U				
Potassium			5000	U	5000	U				
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			-9.5	J	50.0	U				
Zinc			60.0	U	60.0	U				

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 Lab Code: ACE Case No.: 51772 MA No. : SDG No.: MYDB12
 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: PB164274
 Run Batch: LB133118 Preparation Method: 3050B

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB010	Q	ID: CCB072	Q	ID: CCB073	Q	ID: CCB074	Q	ID: PBS274	Q
Aluminum	-64	J	200	U	100	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	0.27	J	5.0	U	0.5	U
Calcium	5000	U	5000	U	5000	U	5000	U	500	U
Chromium	-0.89	J	1.4	J	0.82	J	10.0	U	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	23	J	53	J	100	U	10.0	U
Lead	10.0	U	4.0	J	10.0	U	10.0	U	1.0	U
Magnesium	5000	U	5000	U	5000	U	5000	U	500	U
Manganese	15.0	U	1.6	J	3.0	J	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	1.2	J	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	6.4	J	50.0	U	50.0	U	-0.58	J
Zinc	60.0	U	60.0	U	60.0	U	60.0	U	6.0	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: LB133118 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB075	Q	ID: CCB076	Q	ID: CCB077	Q	ID:	Q
Aluminum			200	U	25	J	36	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	25.0	U		
Iron			44	J	100	U	47	J		
Lead			10.0	U	4.6	J	10.0	U		
Magnesium			5000	U	5000	U	5000	U		
Manganese			1.8	J	15.0	U	1.5	J		
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	1.7	J	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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Analytical Method: ICP-AES Preparation Batch:
Run Batch: LB133118 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB078	Q	ID: CCB079	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	0.84	J				
Cobalt			50.0	U	50.0	U				
Copper			25.0	U	25.0	U				
Iron			31	J	30	J				
Lead			3.7	J	3.8	J				
Magnesium			5000	U	5000	U				
Manganese			15.0	U	1.8	J				
Nickel			40.0	U	40.0	U				
Potassium			5000	U	5000	U				
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				