

FORM 3 - IN
BLANKS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51495 MA No.: SDG No.: MYD4A7
Preparation Blank Matrix :
Preparation Blank Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, or μg):
Analytical Method: ICP-MS Preparation Batch:
Run Batch: LB132901 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
Antimony	0.14	J	0.25	J	0.21	J	0.21	J		
Arsenic	1.0	U	1.0	U	1.0	U	1.0	U		
Barium	10.0	U	10.0	U	10.0	U	10.0	U		
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U		
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U		
Chromium	2.0	U	2.0	U	2.0	U	2.0	U		
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U		
Copper	2.0	U	0.44	J	0.36	J	0.42	J		
Lead	1.0	U	0.18	J	0.15	J	1.0	U		
Nickel	1.0	U	1.0	U	1.0	U	1.0	U		
Selenium	5.0	U	5.0	U	5.0	U	5.0	U		
Silver	1.0	U	1.0	U	1.0	U	1.0	U		
Thallium	1.0	U	1.0	U	1.0	U	1.0	U		
Vanadium	5.0	U	5.0	U	0.04	J	5.0	U		
Zinc	5.0	U	5.0	U	5.0	U	5.0	U		

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Analytical Method: ICP-MS Preparation Batch:
Run Batch: LB132901 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
Antimony			0.23	J	0.26	J	0.24	J		
Arsenic			1.0	U	1.0	U	1.0	U		
Barium			10.0	U	10.0	U	10.0	U		
Beryllium			1.0	U	1.0	U	1.0	U		
Cadmium			1.0	U	1.0	U	1.0	U		
Chromium			2.0	U	2.0	U	2.0	U		
Cobalt			1.0	U	1.0	U	1.0	U		
Copper			0.32	J	0.32	J	0.4	J		
Lead			0.17	J	0.22	J	1.0	U		
Nickel			1.0	U	1.0	U	1.0	U		
Selenium			5.0	U	5.0	U	5.0	U		
Silver			1.0	U	1.0	U	1.0	U		
Thallium			1.0	U	0.1	J	0.09	J		
Vanadium			0.04	J	0.04	J	0.04	J		
Zinc			5.0	U	5.0	U	5.0	U		

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Analytical Method: ICP-MS Preparation Batch:
Run Batch: LB132901 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:	Q	ID:	Q
Antimony			0.22	J	0.21	J				
Arsenic			1.0	U	1.0	U				
Barium			10.0	U	10.0	U				
Beryllium			1.0	U	1.0	U				
Cadmium			1.0	U	1.0	U				
Chromium			2.0	U	2.0	U				
Cobalt			1.0	U	1.0	U				
Copper			0.38	J	0.26	J				
Lead			1.0	U	1.0	U				
Nickel			1.0	U	1.0	U				
Selenium			5.0	U	5.0	U				
Silver			1.0	U	1.0	U				
Thallium			0.08	J	1.0	U				
Vanadium			5.0	U	5.0	U				
Zinc			5.0	U	5.0	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-MS Preparation Batch:

Run Batch: LB132954 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB022	Q	ID: CCB079	Q	ID: CCB080	Q	ID:	Q	ID:	Q
Antimony	2.0	U	0.11	J	0.18	J				
Arsenic	1.0	U	1.0	U	1.0	U				
Barium	10.0	U	10.0	U	10.0	U				
Beryllium	1.0	U	1.0	U	1.0	U				
Cadmium	1.0	U	1.0	U	1.0	U				
Chromium	2.0	U	2.0	U	2.0	U				
Cobalt	1.0	U	1.0	U	1.0	U				
Copper	2.0	U	0.22	J	0.34	J				
Lead	1.0	U	1.0	U	1.0	U				
Nickel	1.0	U	1.0	U	1.0	U				
Selenium	5.0	U	5.0	U	5.0	U				
Silver	1.0	U	1.0	U	1.0	U				
Thallium	1.0	U	1.0	U	1.0	U				
Vanadium	5.0	U	5.0	U	5.0	U				
Zinc	5.0	U	5.0	U	5.0	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-MS Preparation Batch: PB163820
 Run Batch: LB132969 Preparation Method: 200.8

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB023	Q	ID: CCB083	Q	ID: CCB084	Q	ID: CCB085	Q	ID: PBS820	Q
Antimony	0.13	J	0.25	J	0.25	J	0.26	J	1.0	U
Arsenic	1.0	U	1.0	U	1.0	U	1.0	U	0.5	U
Barium	10.0	U	10.0	U	10.0	U	10.0	U	5.0	U
Beryllium	1.0	U	1.0	U	1.0	U	0.35	J	0.09	J
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	0.5	U
Chromium	2.0	U	2.0	U	2.0	U	2.0	U	1.0	U
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U	0.5	U
Copper	2.0	U	0.49	J	0.48	J	0.54	J	0.12	J
Lead	1.0	U	0.2	J	0.19	J	0.18	J	0.055	J
Nickel	1.0	U	1.0	U	1.0	U	1.0	U	0.5	U
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	2.5	U
Silver	1.0	U	1.0	U	1.0	U	1.0	U	0.5	U
Thallium	1.0	U	1.0	U	1.0	U	1.0	U	0.5	U
Vanadium	5.0	U	5.0	U	5.0	U	5.0	U	2.5	U
Zinc	5.0	U	5.0	U	5.0	U	5.0	U	2.5	U

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Analytical Method: ICP-MS Preparation Batch:

Run Batch: LB132969 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB086	Q	ID: CCB087	Q	ID:	Q	ID:	Q
Antimony			0.25	J	0.22	J				
Arsenic			1.0	U	1.0	U				
Barium			10.0	U	10.0	U				
Beryllium			1.0	U	1.0	U				
Cadmium			1.0	U	1.0	U				
Chromium			2.0	U	2.0	U				
Cobalt			1.0	U	1.0	U				
Copper			0.41	J	0.38	J				
Lead			0.15	J	1.0	U				
Nickel			1.0	U	1.0	U				
Selenium			5.0	U	5.0	U				
Silver			1.0	U	1.0	U				
Thallium			1.0	U	0.08	J				
Vanadium			5.0	U	5.0	U				
Zinc			5.0	U	5.0	U				

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Analytical Method: ICP-MS Preparation Batch:

Run Batch: LB132992 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID: ICB024	Q	ID: CCB088	Q	ID: CCB089	Q	ID: CCB090	Q	ID:	Q
Antimony	2.0	U	0.42	J	0.38	J	0.17	J		
Arsenic	1.0	U	1.0	U	1.0	U	1.0	U		
Barium	10.0	U	10.0	U	10.0	U	10.0	U		
Beryllium	1.0	U	0.47	J	0.32	J	1.0	U		
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U		
Chromium	2.0	U	2.0	U	2.0	U	2.0	U		
Cobalt	1.0	U	1.0	U	1.0	U	1.0	U		
Copper	2.0	U	0.28	J	0.28	J	2.0	U		
Lead	1.0	U	0.42	J	0.22	J	1.0	U		
Nickel	1.0	U	1.0	U	1.0	U	1.0	U		
Selenium	5.0	U	5.0	U	5.0	U	5.0	U		
Silver	1.0	U	1.0	U	1.0	U	1.0	U		
Thallium	1.0	U	0.08	J	1.0	U	1.0	U		
Vanadium	5.0	U	5.0	U	5.0	U	5.0	U		
Zinc	5.0	U	5.0	U	5.0	U	5.0	U		

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Analytical Method: ICP-MS Preparation Batch:

Run Batch: LB132992 Preparation Method:

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank/Leachate Extraction Blank	
	ID:	Q	ID: CCB091	Q	ID: CCB092	Q	ID:	Q	ID:	Q
Antimony			0.35	J	2.0	U				
Arsenic			1.0	U	1.0	U				
Barium			10.0	U	10.0	U				
Beryllium			1.0	U	1.0	U				
Cadmium			1.0	U	1.0	U				
Chromium			2.0	U	2.0	U				
Cobalt			1.0	U	1.0	U				
Copper			0.43	J	2.0	U				
Lead			0.18	J	1.0	U				
Nickel			1.0	U	1.0	U				
Selenium			5.0	U	5.0	U				
Silver			1.0	U	1.0	U				
Thallium			1.0	U	1.0	U				
Vanadium			5.0	U	5.0	U				
Zinc			5.0	U	5.0	U				