

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHLZ4

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-01

% Solids: 79.9 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6600		12/24/2024	0412
7440-36-0	Antimony	3.6	J*	12/24/2024	0412
7440-38-2	Arsenic	20	*	12/24/2024	0412
7440-39-3	Barium	140		12/24/2024	0412
7440-41-7	Beryllium	0.76		12/24/2024	0412
7440-43-9	Cadmium	0.71		12/24/2024	0412
7440-70-2	Calcium	3800		12/24/2024	0412
7440-47-3	Chromium	17		12/24/2024	0412
7440-48-4	Cobalt	13		12/24/2024	0412
7440-50-8	Copper	30	*	12/24/2024	0412
7439-89-6	Iron	14000		12/24/2024	0412
7439-92-1	Lead	160		12/24/2024	0412
7439-95-4	Magnesium	1900		12/24/2024	0412
7439-96-5	Manganese	820		12/24/2024	0412
7440-02-0	Nickel	19		12/24/2024	0412
7440-09-7	Potassium	690		12/24/2024	0412
7782-49-2	Selenium	7.3	*	12/24/2024	0412
7440-22-4	Silver	1.0	U*	12/24/2024	0412
7440-23-5	Sodium	500	U	12/24/2024	0412
7440-28-0	Thallium	2.5	U*	12/24/2024	0412
7440-62-2	Vanadium	19		12/24/2024	0412
7440-66-6	Zinc	95	*	12/24/2024	0412

NOTE: Hardness (total) is reported in mg/L

Comments:

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MBHLZ5

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-04

% Solids: 84.1 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6500		12/24/2024	0428
7440-36-0	Antimony	3.3	J*	12/24/2024	0428
7440-38-2	Arsenic	21	*	12/24/2024	0428
7440-39-3	Barium	150		12/24/2024	0428
7440-41-7	Beryllium	0.77		12/24/2024	0428
7440-43-9	Cadmium	0.78		12/24/2024	0428
7440-70-2	Calcium	3200		12/24/2024	0428
7440-47-3	Chromium	15		12/24/2024	0428
7440-48-4	Cobalt	12		12/24/2024	0428
7440-50-8	Copper	34	*	12/24/2024	0428
7439-89-6	Iron	14000		12/24/2024	0428
7439-92-1	Lead	200		12/24/2024	0428
7439-95-4	Magnesium	1800		12/24/2024	0428
7439-96-5	Manganese	830		12/24/2024	0428
7440-02-0	Nickel	19		12/24/2024	0428
7440-09-7	Potassium	890		12/24/2024	0428
7782-49-2	Selenium	7.6	*	12/24/2024	0428
7440-22-4	Silver	0.85	U*	12/24/2024	0428
7440-23-5	Sodium	430	U	12/24/2024	0428
7440-28-0	Thallium	2.1	U*	12/24/2024	0428
7440-62-2	Vanadium	19		12/24/2024	0428
7440-66-6	Zinc	99	*	12/24/2024	0428

NOTE: Hardness (total) is reported in mg/L

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MBHLZ6

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-05

% Solids: 87.9 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	7000		12/24/2024	0432
7440-36-0	Antimony	3.1	J*	12/24/2024	0432
7440-38-2	Arsenic	28	*	12/24/2024	0432
7440-39-3	Barium	190		12/24/2024	0432
7440-41-7	Beryllium	0.87		12/24/2024	0432
7440-43-9	Cadmium	0.80		12/24/2024	0432
7440-70-2	Calcium	3500		12/24/2024	0432
7440-47-3	Chromium	13		12/24/2024	0432
7440-48-4	Cobalt	13		12/24/2024	0432
7440-50-8	Copper	42	*	12/24/2024	0432
7439-89-6	Iron	14000		12/24/2024	0432
7439-92-1	Lead	220		12/24/2024	0432
7439-95-4	Magnesium	1500		12/24/2024	0432
7439-96-5	Manganese	880		12/24/2024	0432
7440-02-0	Nickel	19		12/24/2024	0432
7440-09-7	Potassium	730		12/24/2024	0432
7782-49-2	Selenium	7.8	*	12/24/2024	0432
7440-22-4	Silver	0.97	U*	12/24/2024	0432
7440-23-5	Sodium	490	U	12/24/2024	0432
7440-28-0	Thallium	2.4	U*	12/24/2024	0432
7440-62-2	Vanadium	19		12/24/2024	0432
7440-66-6	Zinc	120	*	12/24/2024	0432

NOTE: Hardness (total) is reported in mg/L

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MBHLZ7

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-06

% Solids: 90.1 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6600		12/24/2024	0435
7440-36-0	Antimony	3.3	J*	12/24/2024	0435
7440-38-2	Arsenic	24	*	12/24/2024	0435
7440-39-3	Barium	170		12/24/2024	0435
7440-41-7	Beryllium	0.74		12/24/2024	0435
7440-43-9	Cadmium	0.67		12/24/2024	0435
7440-70-2	Calcium	3000		12/24/2024	0435
7440-47-3	Chromium	12		12/24/2024	0435
7440-48-4	Cobalt	12		12/24/2024	0435
7440-50-8	Copper	38	*	12/24/2024	0435
7439-89-6	Iron	14000		12/24/2024	0435
7439-92-1	Lead	190		12/24/2024	0435
7439-95-4	Magnesium	1500		12/24/2024	0435
7439-96-5	Manganese	970		12/24/2024	0435
7440-02-0	Nickel	15		12/24/2024	0435
7440-09-7	Potassium	620		12/24/2024	0435
7782-49-2	Selenium	7.8	*	12/24/2024	0435
7440-22-4	Silver	0.82	U*	12/24/2024	0435
7440-23-5	Sodium	410	U	12/24/2024	0435
7440-28-0	Thallium	2.0	U*	12/24/2024	0435
7440-62-2	Vanadium	18		12/24/2024	0435
7440-66-6	Zinc	98	*	12/24/2024	0435

NOTE: Hardness (total) is reported in mg/L

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MBHLZ8

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-07

% Solids: 90.5 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6600		12/24/2024	0439
7440-36-0	Antimony	3.3	J*	12/24/2024	0439
7440-38-2	Arsenic	15	*	12/24/2024	0439
7440-39-3	Barium	82		12/24/2024	0439
7440-41-7	Beryllium	0.71		12/24/2024	0439
7440-43-9	Cadmium	0.53		12/24/2024	0439
7440-70-2	Calcium	2600		12/24/2024	0439
7440-47-3	Chromium	9.8		12/24/2024	0439
7440-48-4	Cobalt	14		12/24/2024	0439
7440-50-8	Copper	32	*	12/24/2024	0439
7439-89-6	Iron	16000		12/24/2024	0439
7439-92-1	Lead	60		12/24/2024	0439
7439-95-4	Magnesium	1800		12/24/2024	0439
7439-96-5	Manganese	820		12/24/2024	0439
7440-02-0	Nickel	15		12/24/2024	0439
7440-09-7	Potassium	480		12/24/2024	0439
7782-49-2	Selenium	8.2	*	12/24/2024	0439
7440-22-4	Silver	0.88	U*	12/24/2024	0439
7440-23-5	Sodium	440	U	12/24/2024	0439
7440-28-0	Thallium	2.2	U*	12/24/2024	0439
7440-62-2	Vanadium	15		12/24/2024	0439
7440-66-6	Zinc	54	*	12/24/2024	0439

NOTE: Hardness (total) is reported in mg/L

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MBHLZ9

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-08

% Solids: 92.9 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5400		12/24/2024	0443
7440-36-0	Antimony	2.8	J*	12/24/2024	0443
7440-38-2	Arsenic	10	*	12/24/2024	0443
7440-39-3	Barium	72		12/24/2024	0443
7440-41-7	Beryllium	0.57		12/24/2024	0443
7440-43-9	Cadmium	0.40	J	12/24/2024	0443
7440-70-2	Calcium	2800		12/24/2024	0443
7440-47-3	Chromium	7.9		12/24/2024	0443
7440-48-4	Cobalt	11		12/24/2024	0443
7440-50-8	Copper	22	*	12/24/2024	0443
7439-89-6	Iron	13000		12/24/2024	0443
7439-92-1	Lead	42		12/24/2024	0443
7439-95-4	Magnesium	1600		12/24/2024	0443
7439-96-5	Manganese	810		12/24/2024	0443
7440-02-0	Nickel	12		12/24/2024	0443
7440-09-7	Potassium	260	J	12/24/2024	0443
7782-49-2	Selenium	6.6	*	12/24/2024	0443
7440-22-4	Silver	0.87	U*	12/24/2024	0443
7440-23-5	Sodium	430	U	12/24/2024	0443
7440-28-0	Thallium	2.2	U*	12/24/2024	0443
7440-62-2	Vanadium	13		12/24/2024	0443
7440-66-6	Zinc	41	*	12/24/2024	0443

NOTE: Hardness (total) is reported in mg/L

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MBHM00

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-09

% Solids: 88.3 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5400		12/24/2024	0447
7440-36-0	Antimony	3.2	J*	12/24/2024	0447
7440-38-2	Arsenic	11	*	12/24/2024	0447
7440-39-3	Barium	56		12/24/2024	0447
7440-41-7	Beryllium	0.58		12/24/2024	0447
7440-43-9	Cadmium	0.48		12/24/2024	0447
7440-70-2	Calcium	15000		12/24/2024	0447
7440-47-3	Chromium	8.5		12/24/2024	0447
7440-48-4	Cobalt	12		12/24/2024	0447
7440-50-8	Copper	30	*	12/24/2024	0447
7439-89-6	Iron	14000		12/24/2024	0447
7439-92-1	Lead	26		12/24/2024	0447
7439-95-4	Magnesium	4200		12/24/2024	0447
7439-96-5	Manganese	870		12/24/2024	0447
7440-02-0	Nickel	17		12/24/2024	0447
7440-09-7	Potassium	400	J	12/24/2024	0447
7782-49-2	Selenium	6.2	*	12/24/2024	0447
7440-22-4	Silver	0.82	U*	12/24/2024	0447
7440-23-5	Sodium	410	U	12/24/2024	0447
7440-28-0	Thallium	2.1	U*	12/24/2024	0447
7440-62-2	Vanadium	13		12/24/2024	0447
7440-66-6	Zinc	42	*	12/24/2024	0447

NOTE: Hardness (total) is reported in mg/L

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MBHM01

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-10

% Solids: 72.6 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5700		12/24/2024	0451
7440-36-0	Antimony	3.8	J*	12/24/2024	0451
7440-38-2	Arsenic	11	*	12/24/2024	0451
7440-39-3	Barium	110		12/24/2024	0451
7440-41-7	Beryllium	0.62		12/24/2024	0451
7440-43-9	Cadmium	1.5		12/24/2024	0451
7440-70-2	Calcium	17000		12/24/2024	0451
7440-47-3	Chromium	29		12/24/2024	0451
7440-48-4	Cobalt	11		12/24/2024	0451
7440-50-8	Copper	48	*	12/24/2024	0451
7439-89-6	Iron	15000		12/24/2024	0451
7439-92-1	Lead	290		12/24/2024	0451
7439-95-4	Magnesium	6100		12/24/2024	0451
7439-96-5	Manganese	750		12/24/2024	0451
7440-02-0	Nickel	22		12/24/2024	0451
7440-09-7	Potassium	720		12/24/2024	0451
7782-49-2	Selenium	6.0	*	12/24/2024	0451
7440-22-4	Silver	0.97	U*	12/24/2024	0451
7440-23-5	Sodium	490	U	12/24/2024	0451
7440-28-0	Thallium	2.4	U*	12/24/2024	0451
7440-62-2	Vanadium	16		12/24/2024	0451
7440-66-6	Zinc	710	*	12/24/2024	0451

NOTE: Hardness (total) is reported in mg/L

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MBHM02

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-11

% Solids: 80.8 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5500		12/24/2024	0455
7440-36-0	Antimony	3.4	J*	12/24/2024	0455
7440-38-2	Arsenic	11	*	12/24/2024	0455
7440-39-3	Barium	100		12/24/2024	0455
7440-41-7	Beryllium	0.59		12/24/2024	0455
7440-43-9	Cadmium	1.2		12/24/2024	0455
7440-70-2	Calcium	18000		12/24/2024	0455
7440-47-3	Chromium	28		12/24/2024	0455
7440-48-4	Cobalt	11		12/24/2024	0455
7440-50-8	Copper	49	*	12/24/2024	0455
7439-89-6	Iron	14000		12/24/2024	0455
7439-92-1	Lead	250		12/24/2024	0455
7439-95-4	Magnesium	6100		12/24/2024	0455
7439-96-5	Manganese	680		12/24/2024	0455
7440-02-0	Nickel	25		12/24/2024	0455
7440-09-7	Potassium	560		12/24/2024	0455
7782-49-2	Selenium	6.0	*	12/24/2024	0455
7440-22-4	Silver	0.88	U*	12/24/2024	0455
7440-23-5	Sodium	440	U	12/24/2024	0455
7440-28-0	Thallium	2.2	U*	12/24/2024	0455
7440-62-2	Vanadium	15		12/24/2024	0455
7440-66-6	Zinc	880	*	12/24/2024	0455

NOTE: Hardness (total) is reported in mg/L

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MBHM03

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-12

% Solids: 83.7 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	4900		12/24/2024	0506
7440-36-0	Antimony	2.9	J*	12/24/2024	0506
7440-38-2	Arsenic	10	*	12/24/2024	0506
7440-39-3	Barium	67		12/24/2024	0506
7440-41-7	Beryllium	0.54		12/24/2024	0506
7440-43-9	Cadmium	0.67		12/24/2024	0506
7440-70-2	Calcium	29000		12/24/2024	0506
7440-47-3	Chromium	17		12/24/2024	0506
7440-48-4	Cobalt	11		12/24/2024	0506
7440-50-8	Copper	29	*	12/24/2024	0506
7439-89-6	Iron	14000		12/24/2024	0506
7439-92-1	Lead	93		12/24/2024	0506
7439-95-4	Magnesium	6100		12/24/2024	0506
7439-96-5	Manganese	700		12/24/2024	0506
7440-02-0	Nickel	25		12/24/2024	0506
7440-09-7	Potassium	580		12/24/2024	0506
7782-49-2	Selenium	5.0	*	12/24/2024	0506
7440-22-4	Silver	0.86	U*	12/24/2024	0506
7440-23-5	Sodium	430	U	12/24/2024	0506
7440-28-0	Thallium	2.2	U*	12/24/2024	0506
7440-62-2	Vanadium	12		12/24/2024	0506
7440-66-6	Zinc	280	*	12/24/2024	0506

NOTE: Hardness (total) is reported in mg/L

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MBHM04

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-13

% Solids: 78.5 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5000		12/24/2024	0510
7440-36-0	Antimony	4.1	J*	12/24/2024	0510
7440-38-2	Arsenic	19	*	12/24/2024	0510
7440-39-3	Barium	180		12/24/2024	0510
7440-41-7	Beryllium	0.62		12/24/2024	0510
7440-43-9	Cadmium	1.1		12/24/2024	0510
7440-70-2	Calcium	32000		12/24/2024	0510
7440-47-3	Chromium	17		12/24/2024	0510
7440-48-4	Cobalt	14		12/24/2024	0510
7440-50-8	Copper	53	*	12/24/2024	0510
7439-89-6	Iron	17000		12/24/2024	0510
7439-92-1	Lead	380		12/24/2024	0510
7439-95-4	Magnesium	4000		12/24/2024	0510
7439-96-5	Manganese	1300		12/24/2024	0510
7440-02-0	Nickel	20		12/24/2024	0510
7440-09-7	Potassium	630		12/24/2024	0510
7782-49-2	Selenium	6.9	*	12/24/2024	0510
7440-22-4	Silver	1.0	U*	12/24/2024	0510
7440-23-5	Sodium	520	U	12/24/2024	0510
7440-28-0	Thallium	2.6	U*	12/24/2024	0510
7440-62-2	Vanadium	16		12/24/2024	0510
7440-66-6	Zinc	290	*	12/24/2024	0510

NOTE: Hardness (total) is reported in mg/L

Comments:

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHM05

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-14

% Solids: 78 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5900		12/24/2024	0514
7440-36-0	Antimony	3.3	J*	12/24/2024	0514
7440-38-2	Arsenic	13	*	12/24/2024	0514
7440-39-3	Barium	150		12/24/2024	0514
7440-41-7	Beryllium	0.52	J	12/24/2024	0514
7440-43-9	Cadmium	0.94		12/24/2024	0514
7440-70-2	Calcium	11000		12/24/2024	0514
7440-47-3	Chromium	12		12/24/2024	0514
7440-48-4	Cobalt	14		12/24/2024	0514
7440-50-8	Copper	51	*	12/24/2024	0514
7439-89-6	Iron	15000		12/24/2024	0514
7439-92-1	Lead	120		12/24/2024	0514
7439-95-4	Magnesium	2800		12/24/2024	0514
7439-96-5	Manganese	2100		12/24/2024	0514
7440-02-0	Nickel	21		12/24/2024	0514
7440-09-7	Potassium	760		12/24/2024	0514
7782-49-2	Selenium	7.4	*	12/24/2024	0514
7440-22-4	Silver	1.1	U*	12/24/2024	0514
7440-23-5	Sodium	540	U	12/24/2024	0514
7440-28-0	Thallium	2.7	U*	12/24/2024	0514
7440-62-2	Vanadium	15		12/24/2024	0514
7440-66-6	Zinc	150	*	12/24/2024	0514

NOTE: Hardness (total) is reported in mg/L

Comments:

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHM06

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-15

% Solids: 75.8 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6000		12/24/2024	0517
7440-36-0	Antimony	3.2	J*	12/24/2024	0517
7440-38-2	Arsenic	14	*	12/24/2024	0517
7440-39-3	Barium	160		12/24/2024	0517
7440-41-7	Beryllium	0.48		12/24/2024	0517
7440-43-9	Cadmium	1.0		12/24/2024	0517
7440-70-2	Calcium	11000		12/24/2024	0517
7440-47-3	Chromium	12		12/24/2024	0517
7440-48-4	Cobalt	14		12/24/2024	0517
7440-50-8	Copper	53	*	12/24/2024	0517
7439-89-6	Iron	15000		12/24/2024	0517
7439-92-1	Lead	70		12/24/2024	0517
7439-95-4	Magnesium	3000		12/24/2024	0517
7439-96-5	Manganese	2400		12/24/2024	0517
7440-02-0	Nickel	23		12/24/2024	0517
7440-09-7	Potassium	820		12/24/2024	0517
7782-49-2	Selenium	7.8	*	12/24/2024	0517
7440-22-4	Silver	0.95	U*	12/24/2024	0517
7440-23-5	Sodium	480	U	12/24/2024	0517
7440-28-0	Thallium	2.4	U*	12/24/2024	0517
7440-62-2	Vanadium	13		12/24/2024	0517
7440-66-6	Zinc	130	*	12/24/2024	0517

NOTE: Hardness (total) is reported in mg/L

Comments:

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHM07

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-16

% Solids: 87.5 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	4800		12/24/2024	0521
7440-36-0	Antimony	3.4	J*	12/24/2024	0521
7440-38-2	Arsenic	11	*	12/24/2024	0521
7440-39-3	Barium	160		12/24/2024	0521
7440-41-7	Beryllium	0.42	J	12/24/2024	0521
7440-43-9	Cadmium	0.83		12/24/2024	0521
7440-70-2	Calcium	11000		12/24/2024	0521
7440-47-3	Chromium	14		12/24/2024	0521
7440-48-4	Cobalt	15		12/24/2024	0521
7440-50-8	Copper	43	*	12/24/2024	0521
7439-89-6	Iron	15000		12/24/2024	0521
7439-92-1	Lead	66		12/24/2024	0521
7439-95-4	Magnesium	3400		12/24/2024	0521
7439-96-5	Manganese	2100		12/24/2024	0521
7440-02-0	Nickel	22		12/24/2024	0521
7440-09-7	Potassium	490		12/24/2024	0521
7782-49-2	Selenium	7.5	*	12/24/2024	0521
7440-22-4	Silver	0.86	U*	12/24/2024	0521
7440-23-5	Sodium	430	U	12/24/2024	0521
7440-28-0	Thallium	2.2	U*	12/24/2024	0521
7440-62-2	Vanadium	13		12/24/2024	0521
7440-66-6	Zinc	98	*	12/24/2024	0521

NOTE: Hardness (total) is reported in mg/L

Comments:

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHM08

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-17

% Solids: 81.3 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6500		12/24/2024	0525
7440-36-0	Antimony	4.3	J*	12/24/2024	0525
7440-38-2	Arsenic	20	*	12/24/2024	0525
7440-39-3	Barium	150		12/24/2024	0525
7440-41-7	Beryllium	0.81		12/24/2024	0525
7440-43-9	Cadmium	0.87		12/24/2024	0525
7440-70-2	Calcium	5300		12/24/2024	0525
7440-47-3	Chromium	22		12/24/2024	0525
7440-48-4	Cobalt	12		12/24/2024	0525
7440-50-8	Copper	36	*	12/24/2024	0525
7439-89-6	Iron	20000		12/24/2024	0525
7439-92-1	Lead	220		12/24/2024	0525
7439-95-4	Magnesium	2200		12/24/2024	0525
7439-96-5	Manganese	890		12/24/2024	0525
7440-02-0	Nickel	22		12/24/2024	0525
7440-09-7	Potassium	1000		12/24/2024	0525
7782-49-2	Selenium	9.5	*	12/24/2024	0525
7440-22-4	Silver	1.0	U*	12/24/2024	0525
7440-23-5	Sodium	520	U	12/24/2024	0525
7440-28-0	Thallium	2.6	U*	12/24/2024	0525
7440-62-2	Vanadium	20		12/24/2024	0525
7440-66-6	Zinc	140	*	12/24/2024	0525

NOTE: Hardness (total) is reported in mg/L

Comments:

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHM09

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-18

% Solids: 85.7 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5900		12/24/2024	0529
7440-36-0	Antimony	3.5	J*	12/24/2024	0529
7440-38-2	Arsenic	19	*	12/24/2024	0529
7440-39-3	Barium	120		12/24/2024	0529
7440-41-7	Beryllium	0.66		12/24/2024	0529
7440-43-9	Cadmium	0.92		12/24/2024	0529
7440-70-2	Calcium	9000		12/24/2024	0529
7440-47-3	Chromium	17		12/24/2024	0529
7440-48-4	Cobalt	12		12/24/2024	0529
7440-50-8	Copper	33	*	12/24/2024	0529
7439-89-6	Iron	15000		12/24/2024	0529
7439-92-1	Lead	210		12/24/2024	0529
7439-95-4	Magnesium	2500		12/24/2024	0529
7439-96-5	Manganese	880		12/24/2024	0529
7440-02-0	Nickel	22		12/24/2024	0529
7440-09-7	Potassium	740		12/24/2024	0529
7782-49-2	Selenium	7.1	*	12/24/2024	0529
7440-22-4	Silver	0.82	U*	12/24/2024	0529
7440-23-5	Sodium	410	U	12/24/2024	0529
7440-28-0	Thallium	2.0	U*	12/24/2024	0529
7440-62-2	Vanadium	15		12/24/2024	0529
7440-66-6	Zinc	140	*	12/24/2024	0529

NOTE: Hardness (total) is reported in mg/L

Comments:

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHM10

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-19

% Solids: 87.9 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6300		12/24/2024	0533
7440-36-0	Antimony	3.4	J*	12/24/2024	0533
7440-38-2	Arsenic	24	*	12/24/2024	0533
7440-39-3	Barium	190		12/24/2024	0533
7440-41-7	Beryllium	0.69		12/24/2024	0533
7440-43-9	Cadmium	0.74		12/24/2024	0533
7440-70-2	Calcium	6500		12/24/2024	0533
7440-47-3	Chromium	13		12/24/2024	0533
7440-48-4	Cobalt	12		12/24/2024	0533
7440-50-8	Copper	47	*	12/24/2024	0533
7439-89-6	Iron	15000		12/24/2024	0533
7439-92-1	Lead	250		12/24/2024	0533
7439-95-4	Magnesium	2100		12/24/2024	0533
7439-96-5	Manganese	900		12/24/2024	0533
7440-02-0	Nickel	15		12/24/2024	0533
7440-09-7	Potassium	770		12/24/2024	0533
7782-49-2	Selenium	7.1	*	12/24/2024	0533
7440-22-4	Silver	0.95	U*	12/24/2024	0533
7440-23-5	Sodium	470	U	12/24/2024	0533
7440-28-0	Thallium	2.4	U*	12/24/2024	0533
7440-62-2	Vanadium	17		12/24/2024	0533
7440-66-6	Zinc	160	*	12/24/2024	0533

NOTE: Hardness (total) is reported in mg/L

Comments:

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHM11

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-20

% Solids: 87.6 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	6400		12/24/2024	0537
7440-36-0	Antimony	3.5	J*	12/24/2024	0537
7440-38-2	Arsenic	16	*	12/24/2024	0537
7440-39-3	Barium	140		12/24/2024	0537
7440-41-7	Beryllium	0.70		12/24/2024	0537
7440-43-9	Cadmium	0.55		12/24/2024	0537
7440-70-2	Calcium	5000		12/24/2024	0537
7440-47-3	Chromium	11		12/24/2024	0537
7440-48-4	Cobalt	13		12/24/2024	0537
7440-50-8	Copper	32	*	12/24/2024	0537
7439-89-6	Iron	16000		12/24/2024	0537
7439-92-1	Lead	350		12/24/2024	0537
7439-95-4	Magnesium	2100		12/24/2024	0537
7439-96-5	Manganese	1100		12/24/2024	0537
7440-02-0	Nickel	16		12/24/2024	0537
7440-09-7	Potassium	640		12/24/2024	0537
7782-49-2	Selenium	7.6	*	12/24/2024	0537
7440-22-4	Silver	0.99	U*	12/24/2024	0537
7440-23-5	Sodium	500	U	12/24/2024	0537
7440-28-0	Thallium	2.5	U*	12/24/2024	0537
7440-62-2	Vanadium	16		12/24/2024	0537
7440-66-6	Zinc	98	*	12/24/2024	0537

NOTE: Hardness (total) is reported in mg/L

Comments:

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHM12

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-21

% Solids: 91.4 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	4800		12/24/2024	0540
7440-36-0	Antimony	3.0	J*	12/24/2024	0540
7440-38-2	Arsenic	8.2	*	12/24/2024	0540
7440-39-3	Barium	72		12/24/2024	0540
7440-41-7	Beryllium	0.48		12/24/2024	0540
7440-43-9	Cadmium	0.46	J	12/24/2024	0540
7440-70-2	Calcium	41000		12/24/2024	0540
7440-47-3	Chromium	8.1		12/24/2024	0540
7440-48-4	Cobalt	12		12/24/2024	0540
7440-50-8	Copper	22	*	12/24/2024	0540
7439-89-6	Iron	13000		12/24/2024	0540
7439-92-1	Lead	40		12/24/2024	0540
7439-95-4	Magnesium	6000		12/24/2024	0540
7439-96-5	Manganese	1300		12/24/2024	0540
7440-02-0	Nickel	15		12/24/2024	0540
7440-09-7	Potassium	590		12/24/2024	0540
7782-49-2	Selenium	4.6	*	12/24/2024	0540
7440-22-4	Silver	0.94	U*	12/24/2024	0540
7440-23-5	Sodium	470	U	12/24/2024	0540
7440-28-0	Thallium	2.3	U*	12/24/2024	0540
7440-62-2	Vanadium	12		12/24/2024	0540
7440-66-6	Zinc	52	*	12/24/2024	0540

NOTE: Hardness (total) is reported in mg/L

Comments:

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHM13

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHLZ4

Matrix: SOIL Lab Sample ID: P5089-22

% Solids: 81.6 Date Received: 12/04/2024

Analytical Method: ICP_AES

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	4900		12/24/2024	0544
7440-36-0	Antimony	3.1	J*	12/24/2024	0544
7440-38-2	Arsenic	8.7	*	12/24/2024	0544
7440-39-3	Barium	62		12/24/2024	0544
7440-41-7	Beryllium	0.54	J	12/24/2024	0544
7440-43-9	Cadmium	0.42	J	12/24/2024	0544
7440-70-2	Calcium	67000		12/24/2024	0544
7440-47-3	Chromium	8.3		12/24/2024	0544
7440-48-4	Cobalt	14		12/24/2024	0544
7440-50-8	Copper	30	*	12/24/2024	0544
7439-89-6	Iron	15000		12/24/2024	0544
7439-92-1	Lead	23		12/24/2024	0544
7439-95-4	Magnesium	14000		12/24/2024	0544
7439-96-5	Manganese	1300		12/24/2024	0544
7440-02-0	Nickel	16		12/24/2024	0544
7440-09-7	Potassium	680		12/24/2024	0544
7782-49-2	Selenium	4.2	*	12/24/2024	0544
7440-22-4	Silver	1.1	U*	12/24/2024	0544
7440-23-5	Sodium	550	U	12/24/2024	0544
7440-28-0	Thallium	2.8	U*	12/24/2024	0544
7440-62-2	Vanadium	13		12/24/2024	0544
7440-66-6	Zinc	48	*	12/24/2024	0544

NOTE: Hardness (total) is reported in mg/L

Comments: