

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MBHL28

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHL28

Matrix: SOIL Lab Sample ID: P5063-01

% Solids: 68.1 Date Received: 12/03/2024

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		12/23/2024	2103
7440-36-0	Antimony	2.9	J*	12/23/2024	2103
7440-38-2	Arsenic	11		12/23/2024	2103
7440-39-3	Barium	95		12/23/2024	2103
7440-41-7	Beryllium	0.61		12/23/2024	2103
7440-43-9	Cadmium	0.86		12/23/2024	2103
7440-70-2	Calcium	62000		12/23/2024	2103
7440-47-3	Chromium	16		12/23/2024	2103
7440-48-4	Cobalt	11	*	12/23/2024	2103
7440-50-8	Copper	29	*	12/23/2024	2103
7439-89-6	Iron	14000		12/23/2024	2103
7439-92-1	Lead	130	*	12/23/2024	2103
7439-95-4	Magnesium	35000		12/23/2024	2103
7439-96-5	Manganese	850		12/23/2024	2103
7440-02-0	Nickel	23		12/23/2024	2103
7440-09-7	Potassium	850		12/23/2024	2103
7782-49-2	Selenium	4.7	*	12/23/2024	2103
7440-22-4	Silver	0.58	J*	12/23/2024	2103
7440-23-5	Sodium	510	U	12/23/2024	2103
7440-28-0	Thallium	2.6	U	12/23/2024	2103
7440-62-2	Vanadium	18		12/23/2024	2103
7440-66-6	Zinc	130	*	12/23/2024	2103

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

Comments:

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MBHL29

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHL28

Matrix: SOIL Lab Sample ID: P5063-02

% Solids: 82 Date Received: 12/03/2024

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		12/23/2024	2107
7440-36-0	Antimony	3.2	J*	12/23/2024	2107
7440-38-2	Arsenic	16		12/23/2024	2107
7440-39-3	Barium	100		12/23/2024	2107
7440-41-7	Beryllium	0.73		12/23/2024	2107
7440-43-9	Cadmium	0.95		12/23/2024	2107
7440-70-2	Calcium	9200		12/23/2024	2107
7440-47-3	Chromium	20		12/23/2024	2107
7440-48-4	Cobalt	11	*	12/23/2024	2107
7440-50-8	Copper	39	*	12/23/2024	2107
7439-89-6	Iron	17000		12/23/2024	2107
7439-92-1	Lead	310	*	12/23/2024	2107
7439-95-4	Magnesium	4300		12/23/2024	2107
7439-96-5	Manganese	870		12/23/2024	2107
7440-02-0	Nickel	28		12/23/2024	2107
7440-09-7	Potassium	530		12/23/2024	2107
7782-49-2	Selenium	8.6	*	12/23/2024	2107
7440-22-4	Silver	0.72	J*	12/23/2024	2107
7440-23-5	Sodium	510	U	12/23/2024	2107
7440-28-0	Thallium	2.6	U	12/23/2024	2107
7440-62-2	Vanadium	19		12/23/2024	2107
7440-66-6	Zinc	130	*	12/23/2024	2107

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

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MBHL30

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHL28

Matrix: SOIL Lab Sample ID: P5063-03

% Solids: 87.3 Date Received: 12/03/2024

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	6800		12/23/2024	2111
7440-36-0	Antimony	4.1	J*	12/23/2024	2111
7440-38-2	Arsenic	17		12/23/2024	2111
7440-39-3	Barium	120		12/23/2024	2111
7440-41-7	Beryllium	0.78		12/23/2024	2111
7440-43-9	Cadmium	0.84		12/23/2024	2111
7440-70-2	Calcium	5800		12/23/2024	2111
7440-47-3	Chromium	16		12/23/2024	2111
7440-48-4	Cobalt	11	*	12/23/2024	2111
7440-50-8	Copper	38	*	12/23/2024	2111
7439-89-6	Iron	19000		12/23/2024	2111
7439-92-1	Lead	160	*	12/23/2024	2111
7439-95-4	Magnesium	3200		12/23/2024	2111
7439-96-5	Manganese	1100		12/23/2024	2111
7440-02-0	Nickel	22		12/23/2024	2111
7440-09-7	Potassium	450	J	12/23/2024	2111
7782-49-2	Selenium	10	*	12/23/2024	2111
7440-22-4	Silver	0.77	J*	12/23/2024	2111
7440-23-5	Sodium	460	U	12/23/2024	2111
7440-28-0	Thallium	2.3	U	12/23/2024	2111
7440-62-2	Vanadium	20		12/23/2024	2111
7440-66-6	Zinc	110	*	12/23/2024	2111

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

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MBHL31

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHL28

Matrix: SOIL Lab Sample ID: P5063-04

% Solids: 89.3 Date Received: 12/03/2024

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		12/23/2024	2115
7440-36-0	Antimony	3.6	J*	12/23/2024	2115
7440-38-2	Arsenic	15		12/23/2024	2115
7440-39-3	Barium	96		12/23/2024	2115
7440-41-7	Beryllium	0.68		12/23/2024	2115
7440-43-9	Cadmium	0.64		12/23/2024	2115
7440-70-2	Calcium	4600		12/23/2024	2115
7440-47-3	Chromium	11		12/23/2024	2115
7440-48-4	Cobalt	12	*	12/23/2024	2115
7440-50-8	Copper	34	*	12/23/2024	2115
7439-89-6	Iron	18000		12/23/2024	2115
7439-92-1	Lead	110	*	12/23/2024	2115
7439-95-4	Magnesium	2300		12/23/2024	2115
7439-96-5	Manganese	1200		12/23/2024	2115
7440-02-0	Nickel	14		12/23/2024	2115
7440-09-7	Potassium	400	J	12/23/2024	2115
7782-49-2	Selenium	9.7	*	12/23/2024	2115
7440-22-4	Silver	0.76	J*	12/23/2024	2115
7440-23-5	Sodium	480	U	12/23/2024	2115
7440-28-0	Thallium	2.4	U	12/23/2024	2115
7440-62-2	Vanadium	17		12/23/2024	2115
7440-66-6	Zinc	64	*	12/23/2024	2115

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

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MBHL32

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHL28

Matrix: SOIL Lab Sample ID: P5063-05

% Solids: 88.4 Date Received: 12/03/2024

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	7800		12/23/2024	2119
7440-36-0	Antimony	4.1	J*	12/23/2024	2119
7440-38-2	Arsenic	18		12/23/2024	2119
7440-39-3	Barium	99		12/23/2024	2119
7440-41-7	Beryllium	0.81		12/23/2024	2119
7440-43-9	Cadmium	0.80		12/23/2024	2119
7440-70-2	Calcium	2900		12/23/2024	2119
7440-47-3	Chromium	9.7		12/23/2024	2119
7440-48-4	Cobalt	14	*	12/23/2024	2119
7440-50-8	Copper	21	*	12/23/2024	2119
7439-89-6	Iron	21000		12/23/2024	2119
7439-92-1	Lead	37	*	12/23/2024	2119
7439-95-4	Magnesium	2100		12/23/2024	2119
7439-96-5	Manganese	1500		12/23/2024	2119
7440-02-0	Nickel	15		12/23/2024	2119
7440-09-7	Potassium	290	J	12/23/2024	2119
7782-49-2	Selenium	12	*	12/23/2024	2119
7440-22-4	Silver	0.70	J*	12/23/2024	2119
7440-23-5	Sodium	470	U	12/23/2024	2119
7440-28-0	Thallium	2.3	U	12/23/2024	2119
7440-62-2	Vanadium	18		12/23/2024	2119
7440-66-6	Zinc	43	*	12/23/2024	2119

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

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MBHL33

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHL28

Matrix: SOIL Lab Sample ID: P5063-06

% Solids: 89.7 Date Received: 12/03/2024

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		12/23/2024	2123
7440-36-0	Antimony	3.5	J*	12/23/2024	2123
7440-38-2	Arsenic	15		12/23/2024	2123
7440-39-3	Barium	94		12/23/2024	2123
7440-41-7	Beryllium	0.66		12/23/2024	2123
7440-43-9	Cadmium	0.60		12/23/2024	2123
7440-70-2	Calcium	4900		12/23/2024	2123
7440-47-3	Chromium	8.8		12/23/2024	2123
7440-48-4	Cobalt	12	*	12/23/2024	2123
7440-50-8	Copper	19	*	12/23/2024	2123
7439-89-6	Iron	18000		12/23/2024	2123
7439-92-1	Lead	26	*	12/23/2024	2123
7439-95-4	Magnesium	2000		12/23/2024	2123
7439-96-5	Manganese	1500		12/23/2024	2123
7440-02-0	Nickel	14		12/23/2024	2123
7440-09-7	Potassium	280	J	12/23/2024	2123
7782-49-2	Selenium	9.4	*	12/23/2024	2123
7440-22-4	Silver	0.61	J*	12/23/2024	2123
7440-23-5	Sodium	450	U	12/23/2024	2123
7440-28-0	Thallium	2.2	U	12/23/2024	2123
7440-62-2	Vanadium	15		12/23/2024	2123
7440-66-6	Zinc	37	*	12/23/2024	2123

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

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MBHL34

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHL28

Matrix: SOIL Lab Sample ID: P5063-07

% Solids: 93.2 Date Received: 12/03/2024

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	4000		12/23/2024	2126
7440-36-0	Antimony	2.2	J*	12/23/2024	2126
7440-38-2	Arsenic	4.8		12/23/2024	2126
7440-39-3	Barium	43		12/23/2024	2126
7440-41-7	Beryllium	0.39	J	12/23/2024	2126
7440-43-9	Cadmium	0.29	J	12/23/2024	2126
7440-70-2	Calcium	54000		12/23/2024	2126
7440-47-3	Chromium	6.5		12/23/2024	2126
7440-48-4	Cobalt	9.4	*	12/23/2024	2126
7440-50-8	Copper	17	*	12/23/2024	2126
7439-89-6	Iron	11000		12/23/2024	2126
7439-92-1	Lead	16	*	12/23/2024	2126
7439-95-4	Magnesium	8400		12/23/2024	2126
7439-96-5	Manganese	840		12/23/2024	2126
7440-02-0	Nickel	11		12/23/2024	2126
7440-09-7	Potassium	340	J	12/23/2024	2126
7782-49-2	Selenium	2.6	J*	12/23/2024	2126
7440-22-4	Silver	0.39	J*	12/23/2024	2126
7440-23-5	Sodium	460	U	12/23/2024	2126
7440-28-0	Thallium	2.3	U	12/23/2024	2126
7440-62-2	Vanadium	9.6		12/23/2024	2126
7440-66-6	Zinc	35	*	12/23/2024	2126

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

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MBHL77

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHL28

Matrix: SOIL Lab Sample ID: P5063-10

% Solids: 74 Date Received: 12/03/2024

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	7400		12/23/2024	2142
7440-36-0	Antimony	3.9	J*	12/23/2024	2142
7440-38-2	Arsenic	17		12/23/2024	2142
7440-39-3	Barium	79		12/23/2024	2142
7440-41-7	Beryllium	0.83		12/23/2024	2142
7440-43-9	Cadmium	0.77		12/23/2024	2142
7440-70-2	Calcium	3600		12/23/2024	2142
7440-47-3	Chromium	12		12/23/2024	2142
7440-48-4	Cobalt	12	*	12/23/2024	2142
7440-50-8	Copper	26	*	12/23/2024	2142
7439-89-6	Iron	19000		12/23/2024	2142
7439-92-1	Lead	58	*	12/23/2024	2142
7439-95-4	Magnesium	2400		12/23/2024	2142
7439-96-5	Manganese	1100		12/23/2024	2142
7440-02-0	Nickel	19		12/23/2024	2142
7440-09-7	Potassium	750		12/23/2024	2142
7782-49-2	Selenium	11	*	12/23/2024	2142
7440-22-4	Silver	0.58	J*	12/23/2024	2142
7440-23-5	Sodium	510	U	12/23/2024	2142
7440-28-0	Thallium	2.5	U	12/23/2024	2142
7440-62-2	Vanadium	21		12/23/2024	2142
7440-66-6	Zinc	70	*	12/23/2024	2142

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

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MBHL78

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHL28

Matrix: SOIL Lab Sample ID: P5063-11

% Solids: 76 Date Received: 12/03/2024

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		12/23/2024	2146
7440-36-0	Antimony	3.6	J*	12/23/2024	2146
7440-38-2	Arsenic	16		12/23/2024	2146
7440-39-3	Barium	72		12/23/2024	2146
7440-41-7	Beryllium	0.78		12/23/2024	2146
7440-43-9	Cadmium	0.69		12/23/2024	2146
7440-70-2	Calcium	4800		12/23/2024	2146
7440-47-3	Chromium	11		12/23/2024	2146
7440-48-4	Cobalt	11	*	12/23/2024	2146
7440-50-8	Copper	26	*	12/23/2024	2146
7439-89-6	Iron	18000		12/23/2024	2146
7439-92-1	Lead	56	*	12/23/2024	2146
7439-95-4	Magnesium	2700		12/23/2024	2146
7439-96-5	Manganese	1100		12/23/2024	2146
7440-02-0	Nickel	18		12/23/2024	2146
7440-09-7	Potassium	720		12/23/2024	2146
7782-49-2	Selenium	10	*	12/23/2024	2146
7440-22-4	Silver	0.49	J*	12/23/2024	2146
7440-23-5	Sodium	510	U	12/23/2024	2146
7440-28-0	Thallium	2.5	U	12/23/2024	2146
7440-62-2	Vanadium	19		12/23/2024	2146
7440-66-6	Zinc	70	*	12/23/2024	2146

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

Comments:

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MBHL79

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

Lab Code: ACE Case No.: 51879 MA No. : SDG No.: MBHL28

Matrix: SOIL Lab Sample ID: P5063-12

% Solids: 81.6 Date Received: 12/03/2024

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		12/23/2024	2149
7440-36-0	Antimony	3.5	J*	12/23/2024	2149
7440-38-2	Arsenic	15		12/23/2024	2149
7440-39-3	Barium	71		12/23/2024	2149
7440-41-7	Beryllium	0.72		12/23/2024	2149
7440-43-9	Cadmium	0.69		12/23/2024	2149
7440-70-2	Calcium	4300		12/23/2024	2149
7440-47-3	Chromium	9.8		12/23/2024	2149
7440-48-4	Cobalt	11	*	12/23/2024	2149
7440-50-8	Copper	22	*	12/23/2024	2149
7439-89-6	Iron	17000		12/23/2024	2149
7439-92-1	Lead	52	*	12/23/2024	2149
7439-95-4	Magnesium	2800		12/23/2024	2149
7439-96-5	Manganese	1000		12/23/2024	2149
7440-02-0	Nickel	17		12/23/2024	2149
7440-09-7	Potassium	550		12/23/2024	2149
7782-49-2	Selenium	9.4	*	12/23/2024	2149
7440-22-4	Silver	0.44	J*	12/23/2024	2149
7440-23-5	Sodium	440	U	12/23/2024	2149
7440-28-0	Thallium	2.2	U	12/23/2024	2149
7440-62-2	Vanadium	17		12/23/2024	2149
7440-66-6	Zinc	59	*	12/23/2024	2149

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

Comments: