

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

ME28R5

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-01
% Solids: 78.7 Date Received: 12/10/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	11000		12/20/2024	1921
7440-70-2	Calcium	32000	*	12/20/2024	1921
7439-89-6	Iron	63000		12/20/2024	1921
7439-95-4	Magnesium	7300		12/20/2024	1921
7440-09-7	Potassium	2100		12/20/2024	1921
7440-23-5	Sodium	210	J	12/20/2024	1921

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

Comments:

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ME28R6

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-02
% Solids: 78.3 Date Received: 12/10/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	9400		12/20/2024	1925
7440-70-2	Calcium	35000	*	12/20/2024	1925
7439-89-6	Iron	72000		12/20/2024	1925
7439-95-4	Magnesium	7700		12/20/2024	1925
7440-09-7	Potassium	2100		12/20/2024	1925
7440-23-5	Sodium	200	J	12/20/2024	1925

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

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ME28R7

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-03
% Solids: 84.3 Date Received: 12/10/2024
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	7900		12/20/2024	1929
7440-70-2	Calcium	73000	D*	12/23/2024	1500
7439-89-6	Iron	17000		12/20/2024	1929
7439-95-4	Magnesium	20000		12/20/2024	1929
7440-09-7	Potassium	950		12/20/2024	1929
7440-23-5	Sodium	440	U	12/20/2024	1929

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

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ME28R8

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-04
% Solids: 86.6 Date Received: 12/10/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	8300		12/20/2024	1932
7440-70-2	Calcium	130000	D*	12/23/2024	1504
7439-89-6	Iron	8100		12/20/2024	1932
7439-95-4	Magnesium	36000		12/20/2024	1932
7440-09-7	Potassium	480		12/20/2024	1932
7440-23-5	Sodium	180	J	12/20/2024	1932

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

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EPA SAMPLE NO.

ME28R9

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-05
% Solids: 83.4 Date Received: 12/10/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	5900		12/20/2024	1936
7440-70-2	Calcium	64000	*	12/20/2024	1936
7439-89-6	Iron	19000		12/20/2024	1936
7439-95-4	Magnesium	11000		12/20/2024	1936
7440-09-7	Potassium	740		12/20/2024	1936
7440-23-5	Sodium	130	J	12/20/2024	1936

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

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ME28S0

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-06
% Solids: 58 Date Received: 12/10/2024
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	9900		12/20/2024	1940
7440-70-2	Calcium	140000	D*	12/23/2024	1508
7439-89-6	Iron	23000		12/20/2024	1940
7439-95-4	Magnesium	39000		12/20/2024	1940
7440-09-7	Potassium	1300		12/20/2024	1940
7440-23-5	Sodium	250	J	12/20/2024	1940

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

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ME28S1

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-07
% Solids: 75.8 Date Received: 12/10/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	8000		12/20/2024	1944
7440-70-2	Calcium	27000	*	12/20/2024	1944
7439-89-6	Iron	24000		12/20/2024	1944
7439-95-4	Magnesium	7200		12/20/2024	1944
7440-09-7	Potassium	1300		12/20/2024	1944
7440-23-5	Sodium	510	U	12/20/2024	1944

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

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ME28S2

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-08
% Solids: 78.1 Date Received: 12/10/2024
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	8400		12/20/2024	1948
7440-70-2	Calcium	41000	*	12/20/2024	1948
7439-89-6	Iron	52000		12/20/2024	1948
7439-95-4	Magnesium	9700		12/20/2024	1948
7440-09-7	Potassium	1700		12/20/2024	1948
7440-23-5	Sodium	170	J	12/20/2024	1948

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

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ME28S3

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-09
% Solids: 76.7 Date Received: 12/10/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	8600		12/20/2024	1952
7440-70-2	Calcium	16000	*	12/20/2024	1952
7439-89-6	Iron	32000		12/20/2024	1952
7439-95-4	Magnesium	6400		12/20/2024	1952
7440-09-7	Potassium	930		12/20/2024	1952
7440-23-5	Sodium	530	U	12/20/2024	1952

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

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ME28S4

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-10
% Solids: 82 Date Received: 12/10/2024
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		12/20/2024	1955
7440-70-2	Calcium	23000	*	12/20/2024	1955
7439-89-6	Iron	23000		12/20/2024	1955
7439-95-4	Magnesium	10000		12/20/2024	1955
7440-09-7	Potassium	750		12/20/2024	1955
7440-23-5	Sodium	580	U	12/20/2024	1955

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

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ME28S5

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-11
% Solids: 79.1 Date Received: 12/10/2024
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	8500		12/20/2024	1959
7440-70-2	Calcium	14000	*	12/20/2024	1959
7439-89-6	Iron	31000		12/20/2024	1959
7439-95-4	Magnesium	5000		12/20/2024	1959
7440-09-7	Potassium	800		12/20/2024	1959
7440-23-5	Sodium	430	U	12/20/2024	1959

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

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ME28S6

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-12
% Solids: 76.5 Date Received: 12/10/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	8700		12/20/2024	2003
7440-70-2	Calcium	11000	*	12/20/2024	2003
7439-89-6	Iron	32000		12/20/2024	2003
7439-95-4	Magnesium	4300		12/20/2024	2003
7440-09-7	Potassium	930		12/20/2024	2003
7440-23-5	Sodium	600	U	12/20/2024	2003

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

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ME28S7

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-13
% Solids: 74.8 Date Received: 12/10/2024
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	8300		12/20/2024	2007
7440-70-2	Calcium	9800	*	12/20/2024	2007
7439-89-6	Iron	31000		12/20/2024	2007
7439-95-4	Magnesium	4000		12/20/2024	2007
7440-09-7	Potassium	940		12/20/2024	2007
7440-23-5	Sodium	470	U	12/20/2024	2007

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

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ME28S8

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-14
% Solids: 76.3 Date Received: 12/10/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	9000		12/20/2024	2011
7440-70-2	Calcium	11000	*	12/20/2024	2011
7439-89-6	Iron	40000		12/20/2024	2011
7439-95-4	Magnesium	4500		12/20/2024	2011
7440-09-7	Potassium	970		12/20/2024	2011
7440-23-5	Sodium	510	U	12/20/2024	2011

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

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ME28S9

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-15
% Solids: 62.5 Date Received: 12/10/2024
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	16000		12/20/2024	2015
7440-70-2	Calcium	16000	*	12/20/2024	2015
7439-89-6	Iron	40000		12/20/2024	2015
7439-95-4	Magnesium	9600		12/20/2024	2015
7440-09-7	Potassium	2300		12/20/2024	2015
7440-23-5	Sodium	230	J	12/20/2024	2015

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

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ME28T0

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-16
% Solids: 68.2 Date Received: 12/10/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	9700		12/20/2024	2018
7440-70-2	Calcium	9600	*	12/20/2024	2018
7439-89-6	Iron	33000		12/20/2024	2018
7439-95-4	Magnesium	5300		12/20/2024	2018
7440-09-7	Potassium	1400		12/20/2024	2018
7440-23-5	Sodium	620	U	12/20/2024	2018

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

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ME28T1

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-17
% Solids: 79.9 Date Received: 12/10/2024
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	5300		12/20/2024	2022
7440-70-2	Calcium	73000	*	12/20/2024	2022
7439-89-6	Iron	250000	D	12/23/2024	1511
7439-95-4	Magnesium	11000		12/20/2024	2022
7440-09-7	Potassium	280	J	12/20/2024	2022
7440-23-5	Sodium	490	J	12/20/2024	2022

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

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ME28T2

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-18
% Solids: 74.1 Date Received: 12/10/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	10000		12/20/2024	2026
7440-70-2	Calcium	18000	*	12/20/2024	2026
7439-89-6	Iron	22000		12/20/2024	2026
7439-95-4	Magnesium	7200		12/20/2024	2026
7440-09-7	Potassium	1100		12/20/2024	2026
7440-23-5	Sodium	610	U	12/20/2024	2026

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

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EPA SAMPLE NO.

ME28T3

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28R5
Matrix: SOIL Lab Sample ID: P5233-19
% Solids: 70.3 Date Received: 12/10/2024
Analytical Method: ICP_AES
Concentration Units (µg/L, mg/L, mg/kg dry weight, µg, or µg/cm²): mg/kg

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	8100		12/20/2024	2037
7440-70-2	Calcium	71000	*	12/20/2024	2037
7439-89-6	Iron	120000	D	12/23/2024	1515
7439-95-4	Magnesium	11000		12/20/2024	2037
7440-09-7	Potassium	1200		12/20/2024	2037
7440-23-5	Sodium	390	J	12/20/2024	2037

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

Comments: