

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

YE8E9

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-13
% Solids: 92.2 Date Received: 01/18/2025
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	940		01/24/2025	2043
7440-70-2	Calcium	8600		01/24/2025	2043
7439-89-6	Iron	13000		01/24/2025	2043
7439-95-4	Magnesium	2300		01/24/2025	2043
7440-09-7	Potassium	220	J	01/24/2025	2043
7440-23-5	Sodium	420	U	01/24/2025	2043

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

Comments:

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EPA SAMPLE NO.

YE8F0

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-14
% Solids: 97.3 Date Received: 01/18/2025
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	1200		01/24/2025	2100
7440-70-2	Calcium	10000		01/24/2025	2100
7439-89-6	Iron	15000		01/24/2025	2100
7439-95-4	Magnesium	2900		01/24/2025	2100
7440-09-7	Potassium	280	J	01/24/2025	2100
7440-23-5	Sodium	420	U	01/24/2025	2100

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

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YE8F1

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-15
% Solids: 92 Date Received: 01/18/2025
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	1400		01/24/2025	2104
7440-70-2	Calcium	3800		01/24/2025	2104
7439-89-6	Iron	16000		01/24/2025	2104
7439-95-4	Magnesium	1200		01/24/2025	2104
7440-09-7	Potassium	290	J	01/24/2025	2104
7440-23-5	Sodium	450	U	01/24/2025	2104

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

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EPA SAMPLE NO.

YE8F2

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-16
% Solids: 80.8 Date Received: 01/18/2025
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	1400		01/24/2025	2108
7440-70-2	Calcium	1800		01/24/2025	2108
7439-89-6	Iron	19000		01/24/2025	2108
7439-95-4	Magnesium	760		01/24/2025	2108
7440-09-7	Potassium	360	J	01/24/2025	2108
7440-23-5	Sodium	530	U	01/24/2025	2108

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

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EPA SAMPLE NO.

YE8F3

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-17
% Solids: 89.5 Date Received: 01/18/2025
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	1500		01/24/2025	2112
7440-70-2	Calcium	16000		01/24/2025	2112
7439-89-6	Iron	16000		01/24/2025	2112
7439-95-4	Magnesium	2900		01/24/2025	2112
7440-09-7	Potassium	330	J	01/24/2025	2112
7440-23-5	Sodium	400	U	01/24/2025	2112

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

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YE8F4

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-18
% Solids: 92.1 Date Received: 01/18/2025
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	580		01/24/2025	2116
7440-70-2	Calcium	1900		01/24/2025	2116
7439-89-6	Iron	10000		01/24/2025	2116
7439-95-4	Magnesium	460		01/24/2025	2116
7440-09-7	Potassium	49	J	01/24/2025	2116
7440-23-5	Sodium	400	U	01/24/2025	2116

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

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EPA SAMPLE NO.

YE8F6

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-19
% Solids: 90.8 Date Received: 01/18/2025
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	7900		01/24/2025	2120
7440-70-2	Calcium	7900		01/24/2025	2120
7439-89-6	Iron	32000		01/24/2025	2120
7439-95-4	Magnesium	7900		01/24/2025	2120
7440-09-7	Potassium	510		01/24/2025	2120
7440-23-5	Sodium	380	U	01/24/2025	2120

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

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EPA SAMPLE NO.

YE8G0

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-20
% Solids: 93.1 Date Received: 01/18/2025
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	17000		01/24/2025	2124
7440-70-2	Calcium	4300		01/24/2025	2124
7439-89-6	Iron	41000		01/24/2025	2124
7439-95-4	Magnesium	9900		01/24/2025	2124
7440-09-7	Potassium	2100		01/24/2025	2124
7440-23-5	Sodium	480	U	01/24/2025	2124

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

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EPA SAMPLE NO.

YE8G1

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-21
% Solids: 80.3 Date Received: 01/18/2025
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	15000		01/24/2025	2128
7440-70-2	Calcium	6600		01/24/2025	2128
7439-89-6	Iron	34000		01/24/2025	2128
7439-95-4	Magnesium	8700		01/24/2025	2128
7440-09-7	Potassium	2400		01/24/2025	2128
7440-23-5	Sodium	100	J	01/24/2025	2128

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

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EPA SAMPLE NO.

YE8G2

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-22
% Solids: 94.9 Date Received: 01/18/2025
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	15000		01/24/2025	2132
7440-70-2	Calcium	3500		01/24/2025	2132
7439-89-6	Iron	48000		01/24/2025	2132
7439-95-4	Magnesium	8700		01/24/2025	2132
7440-09-7	Potassium	1200		01/24/2025	2132
7440-23-5	Sodium	66	J	01/24/2025	2132

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

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EPA SAMPLE NO.

YE8G3

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-01
% Solids: 64.9 Date Received: 01/16/2025
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	16000		01/24/2025	1951
7440-70-2	Calcium	370000	D	01/27/2025	1700
7439-89-6	Iron	20000		01/24/2025	1951
7439-95-4	Magnesium	4500		01/24/2025	1951
7440-09-7	Potassium	4400		01/24/2025	1951
7440-23-5	Sodium	270	J	01/24/2025	1951

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

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EPA SAMPLE NO.

YE8G5

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-02
% Solids: 94.8 Date Received: 01/16/2025
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	16000		01/24/2025	1955
7440-70-2	Calcium	4500		01/24/2025	1955
7439-89-6	Iron	47000		01/24/2025	1955
7439-95-4	Magnesium	9100		01/24/2025	1955
7440-09-7	Potassium	440	J	01/24/2025	1955
7440-23-5	Sodium	170	J	01/24/2025	1955

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

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EPA SAMPLE NO.

YE8G6

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-03
% Solids: 76.8 Date Received: 01/16/2025
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	5800		01/24/2025	1959
7440-70-2	Calcium	20000		01/24/2025	1959
7439-89-6	Iron	12000		01/24/2025	1959
7439-95-4	Magnesium	4300		01/24/2025	1959
7440-09-7	Potassium	650		01/24/2025	1959
7440-23-5	Sodium	110	J	01/24/2025	1959

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

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EPA SAMPLE NO.
YE8H0

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-06
% Solids: 87.9 Date Received: 01/16/2025
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	15000		01/24/2025	2015
7440-70-2	Calcium	13000		01/24/2025	2015
7439-89-6	Iron	39000		01/24/2025	2015
7439-95-4	Magnesium	6700		01/24/2025	2015
7440-09-7	Potassium	1100		01/24/2025	2015
7440-23-5	Sodium	190	J	01/24/2025	2015

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

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YE8H1

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-07
% Solids: 76 Date Received: 01/16/2025
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	20000		01/24/2025	2019
7440-70-2	Calcium	4600		01/24/2025	2019
7439-89-6	Iron	51000		01/24/2025	2019
7439-95-4	Magnesium	7300		01/24/2025	2019
7440-09-7	Potassium	3100		01/24/2025	2019
7440-23-5	Sodium	110	J	01/24/2025	2019

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

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EPA SAMPLE NO.

YE8H2

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-08
% Solids: 62.4 Date Received: 01/16/2025
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	12000		01/24/2025	2023
7440-70-2	Calcium	6600		01/24/2025	2023
7439-89-6	Iron	57000		01/24/2025	2023
7439-95-4	Magnesium	5400		01/24/2025	2023
7440-09-7	Potassium	1500		01/24/2025	2023
7440-23-5	Sodium	150	J	01/24/2025	2023

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

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EPA SAMPLE NO.
YE8H3

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-09
% Solids: 82.7 Date Received: 01/16/2025
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	13000		01/24/2025	2027
7440-70-2	Calcium	4200		01/24/2025	2027
7439-89-6	Iron	41000		01/24/2025	2027
7439-95-4	Magnesium	7700		01/24/2025	2027
7440-09-7	Potassium	940		01/24/2025	2027
7440-23-5	Sodium	120	J	01/24/2025	2027

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

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EPA SAMPLE NO.

YE8H4

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-10
% Solids: 93.8 Date Received: 01/16/2025
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	6800		01/24/2025	2031
7440-70-2	Calcium	3600		01/24/2025	2031
7439-89-6	Iron	18000		01/24/2025	2031
7439-95-4	Magnesium	5700		01/24/2025	2031
7440-09-7	Potassium	340	J	01/24/2025	2031
7440-23-5	Sodium	150	J	01/24/2025	2031

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

Comments:

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EPA SAMPLE NO.

YE8H5

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-11
% Solids: 83.3 Date Received: 01/16/2025
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	13000		01/24/2025	2035
7440-70-2	Calcium	3300		01/24/2025	2035
7439-89-6	Iron	56000		01/24/2025	2035
7439-95-4	Magnesium	6600		01/24/2025	2035
7440-09-7	Potassium	1200		01/24/2025	2035
7440-23-5	Sodium	110	J	01/24/2025	2035

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

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YE8H6

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51955 MA No. : SDG No.: YE8G3
Matrix: SOIL Lab Sample ID: Q1105-12
% Solids: 95.9 Date Received: 01/16/2025
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	12000		01/24/2025	2039
7440-70-2	Calcium	6900		01/24/2025	2039
7439-89-6	Iron	39000		01/24/2025	2039
7439-95-4	Magnesium	6600		01/24/2025	2039
7440-09-7	Potassium	1000		01/24/2025	2039
7440-23-5	Sodium	330	J	01/24/2025	2039

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

Comments:
