

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

ME29D7

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-01
% Solids: 92 Date Received: 11/23/2024
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	1500		12/10/2024	2033
7440-70-2	Calcium	110000	D	12/13/2024	1353
7439-89-6	Iron	6100		12/10/2024	2033
7439-95-4	Magnesium	28000		12/10/2024	2033
7440-09-7	Potassium	120	J	12/10/2024	2033
7440-23-5	Sodium	490	U	12/10/2024	2033

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

Comments:

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ME29D8

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-02
% Solids: 89.1 Date Received: 11/23/2024
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	1300		12/10/2024	2037
7440-70-2	Calcium	130000	D	12/13/2024	1356
7439-89-6	Iron	5800		12/10/2024	2037
7439-95-4	Magnesium	19000		12/10/2024	2037
7440-09-7	Potassium	520	U	12/10/2024	2037
7440-23-5	Sodium	520	U	12/10/2024	2037

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

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EPA SAMPLE NO.

ME29D9

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-03
% Solids: 85.4 Date Received: 11/23/2024
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	1800		12/10/2024	2041
7440-70-2	Calcium	100000	D	12/13/2024	1400
7439-89-6	Iron	5400		12/10/2024	2041
7439-95-4	Magnesium	24000		12/10/2024	2041
7440-09-7	Potassium	85	J	12/10/2024	2041
7440-23-5	Sodium	470	U	12/10/2024	2041

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

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EPA SAMPLE NO.

ME29E0

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-04
% Solids: 93.5 Date Received: 11/23/2024
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	12000		12/10/2024	2045
7440-70-2	Calcium	2100		12/10/2024	2045
7439-89-6	Iron	30000		12/10/2024	2045
7439-95-4	Magnesium	5800		12/10/2024	2045
7440-09-7	Potassium	2100		12/10/2024	2045
7440-23-5	Sodium	220	J	12/10/2024	2045

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

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ME29E1

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-05
% Solids: 89.4 Date Received: 11/23/2024
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	1500		12/10/2024	2048
7440-70-2	Calcium	96000	D	12/13/2024	1404
7439-89-6	Iron	6000		12/10/2024	2048
7439-95-4	Magnesium	22000		12/10/2024	2048
7440-09-7	Potassium	110	J	12/10/2024	2048
7440-23-5	Sodium	490	U	12/10/2024	2048

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

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ME29E2

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-06
% Solids: 89.4 Date Received: 11/23/2024
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	1300		12/10/2024	2052
7440-70-2	Calcium	120000	D	12/13/2024	1408
7439-89-6	Iron	5200		12/10/2024	2052
7439-95-4	Magnesium	43000		12/10/2024	2052
7440-09-7	Potassium	96	J	12/10/2024	2052
7440-23-5	Sodium	440	U	12/10/2024	2052

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

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ME29E3

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-07
% Solids: 84.7 Date Received: 11/23/2024
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	1400		12/10/2024	2056
7440-70-2	Calcium	140000	D	12/13/2024	1412
7439-89-6	Iron	6300		12/10/2024	2056
7439-95-4	Magnesium	34000		12/10/2024	2056
7440-09-7	Potassium	530	U	12/10/2024	2056
7440-23-5	Sodium	530	U	12/10/2024	2056

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

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ME29E4

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-08
% Solids: 86.4 Date Received: 11/23/2024
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	1800		12/10/2024	2100
7440-70-2	Calcium	120000	D	12/13/2024	1416
7439-89-6	Iron	5900		12/10/2024	2100
7439-95-4	Magnesium	18000		12/10/2024	2100
7440-09-7	Potassium	480	U	12/10/2024	2100
7440-23-5	Sodium	480	U	12/10/2024	2100

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

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ME29E5

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-11
% Solids: 90.7 Date Received: 11/23/2024
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	1400		12/10/2024	2104
7440-70-2	Calcium	140000	D	12/13/2024	1432
7439-89-6	Iron	5900		12/10/2024	2104
7439-95-4	Magnesium	40000		12/10/2024	2104
7440-09-7	Potassium	450	U	12/10/2024	2104
7440-23-5	Sodium	450	U	12/10/2024	2104

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

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ME29E6

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-12
% Solids: 90.9 Date Received: 11/23/2024
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	2100		12/10/2024	2108
7440-70-2	Calcium	110000	D	12/13/2024	1436
7439-89-6	Iron	8900		12/10/2024	2108
7439-95-4	Magnesium	24000		12/10/2024	2108
7440-09-7	Potassium	91	J	12/10/2024	2108
7440-23-5	Sodium	470	U	12/10/2024	2108

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

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ME29E7

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-13
% Solids: 83 Date Received: 11/23/2024
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	1400		12/10/2024	2112
7440-70-2	Calcium	100000	D	12/13/2024	1439
7439-89-6	Iron	5300		12/10/2024	2112
7439-95-4	Magnesium	28000		12/10/2024	2112
7440-09-7	Potassium	520	U	12/10/2024	2112
7440-23-5	Sodium	520	U	12/10/2024	2112

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

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ME29E8

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-14
% Solids: 91.6 Date Received: 11/23/2024
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	1500		12/10/2024	2156
7440-70-2	Calcium	110000	D	12/13/2024	1443
7439-89-6	Iron	5900		12/10/2024	2156
7439-95-4	Magnesium	19000		12/10/2024	2156
7440-09-7	Potassium	430	U	12/10/2024	2156
7440-23-5	Sodium	430	U	12/10/2024	2156

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

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ME29E9

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-15
% Solids: 91.7 Date Received: 11/23/2024
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	1800		12/10/2024	2200
7440-70-2	Calcium	95000	D	12/13/2024	1447
7439-89-6	Iron	8400		12/10/2024	2200
7439-95-4	Magnesium	18000		12/10/2024	2200
7440-09-7	Potassium	78	J	12/10/2024	2200
7440-23-5	Sodium	460	U	12/10/2024	2200

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

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EPA SAMPLE NO.

ME29F0

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-16
% Solids: 87 Date Received: 11/23/2024
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	1400		12/10/2024	2204
7440-70-2	Calcium	74000	D	12/13/2024	1451
7439-89-6	Iron	5300		12/10/2024	2204
7439-95-4	Magnesium	17000		12/10/2024	2204
7440-09-7	Potassium	420	U	12/10/2024	2204
7440-23-5	Sodium	420	U	12/10/2024	2204

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

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ME29F1

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-17
% Solids: 84.7 Date Received: 11/23/2024
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	1400		12/10/2024	2208
7440-70-2	Calcium	93000	D	12/13/2024	1455
7439-89-6	Iron	6300		12/10/2024	2208
7439-95-4	Magnesium	26000		12/10/2024	2208
7440-09-7	Potassium	73	J	12/10/2024	2208
7440-23-5	Sodium	530	U	12/10/2024	2208

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

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EPA SAMPLE NO.

ME29F2

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-18
% Solids: 89.7 Date Received: 11/23/2024
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	1800		12/10/2024	2212
7440-70-2	Calcium	96000	D	12/13/2024	1459
7439-89-6	Iron	6100		12/10/2024	2212
7439-95-4	Magnesium	21000		12/10/2024	2212
7440-09-7	Potassium	110	J	12/10/2024	2212
7440-23-5	Sodium	430	U	12/10/2024	2212

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

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ME29F3

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-19
% Solids: 82.8 Date Received: 11/23/2024
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	2000		12/10/2024	2216
7440-70-2	Calcium	79000	D	12/13/2024	1503
7439-89-6	Iron	7400		12/10/2024	2216
7439-95-4	Magnesium	15000		12/10/2024	2216
7440-09-7	Potassium	450	U	12/10/2024	2216
7440-23-5	Sodium	450	U	12/10/2024	2216

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

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ME29F4

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-20
% Solids: 95.4 Date Received: 11/23/2024
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	1400		12/10/2024	2220
7440-70-2	Calcium	93000	D	12/13/2024	1507
7439-89-6	Iron	5200		12/10/2024	2220
7439-95-4	Magnesium	22000		12/10/2024	2220
7440-09-7	Potassium	89	J	12/10/2024	2220
7440-23-5	Sodium	400	U	12/10/2024	2220

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

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ME29F5

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51759 MA No. : SDG No.: ME29D7
Matrix: SOIL Lab Sample ID: P4976-21
% Solids: 87 Date Received: 11/23/2024
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	1500		12/10/2024	2223
7440-70-2	Calcium	89000	D	12/13/2024	1528
7439-89-6	Iron	5600		12/10/2024	2223
7439-95-4	Magnesium	20000		12/10/2024	2223
7440-09-7	Potassium	120	J	12/10/2024	2223
7440-23-5	Sodium	400	U	12/10/2024	2223

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

Comments:
