

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

ME28N9

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-01
% Solids: 78.7 Date Received: 12/06/2024
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		12/19/2024	0401
7440-70-2	Calcium	5600		12/19/2024	0401
7439-89-6	Iron	16000		12/19/2024	0401
7439-95-4	Magnesium	2900		12/19/2024	0401
7440-09-7	Potassium	1600		12/19/2024	0401
7440-23-5	Sodium	160	J	12/19/2024	0401

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

Comments:

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ME28P0

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-02
% Solids: 75.2 Date Received: 12/06/2024
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		12/19/2024	0405
7440-70-2	Calcium	3000		12/19/2024	0405
7439-89-6	Iron	25000		12/19/2024	0405
7439-95-4	Magnesium	3900		12/19/2024	0405
7440-09-7	Potassium	1900		12/19/2024	0405
7440-23-5	Sodium	200	J	12/19/2024	0405

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

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EPA SAMPLE NO.

ME28P1

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-03
% Solids: 89.1 Date Received: 12/06/2024
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	7300		12/19/2024	0409
7440-70-2	Calcium	70000	D	12/21/2024	1419
7439-89-6	Iron	17000		12/19/2024	0409
7439-95-4	Magnesium	29000		12/19/2024	0409
7440-09-7	Potassium	1500		12/19/2024	0409
7440-23-5	Sodium	170	J	12/19/2024	0409

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

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ME28P2

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-04
% Solids: 83.5 Date Received: 12/06/2024
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		12/19/2024	0413
7440-70-2	Calcium	55000		12/19/2024	0413
7439-89-6	Iron	21000		12/19/2024	0413
7439-95-4	Magnesium	22000		12/19/2024	0413
7440-09-7	Potassium	980		12/19/2024	0413
7440-23-5	Sodium	150	J	12/19/2024	0413

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

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ME28P3

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-05
% Solids: 90.1 Date Received: 12/06/2024
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	6100		12/19/2024	0417
7440-70-2	Calcium	64000		12/19/2024	0417
7439-89-6	Iron	31000		12/19/2024	0417
7439-95-4	Magnesium	8300		12/19/2024	0417
7440-09-7	Potassium	630		12/19/2024	0417
7440-23-5	Sodium	280	J	12/19/2024	0417

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

Comments:

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ME28P4

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-06
% Solids: 85.7 Date Received: 12/06/2024
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	7400		12/19/2024	0421
7440-70-2	Calcium	95000	D	12/21/2024	1422
7439-89-6	Iron	14000		12/19/2024	0421
7439-95-4	Magnesium	29000		12/19/2024	0421
7440-09-7	Potassium	1400		12/19/2024	0421
7440-23-5	Sodium	430	J	12/19/2024	0421

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

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ME28P5

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-07
% Solids: 84.2 Date Received: 12/06/2024
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		12/19/2024	0424
7440-70-2	Calcium	12000		12/19/2024	0424
7439-89-6	Iron	22000		12/19/2024	0424
7439-95-4	Magnesium	3800		12/19/2024	0424
7440-09-7	Potassium	940		12/19/2024	0424
7440-23-5	Sodium	250	J	12/19/2024	0424

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

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ME28P6

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-08
% Solids: 89.8 Date Received: 12/06/2024
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		12/19/2024	0428
7440-70-2	Calcium	75000		12/19/2024	0428
7439-89-6	Iron	18000		12/19/2024	0428
7439-95-4	Magnesium	13000		12/19/2024	0428
7440-09-7	Potassium	1100		12/19/2024	0428
7440-23-5	Sodium	240	J	12/19/2024	0428

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

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ME28P7

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-09
% Solids: 91.1 Date Received: 12/06/2024
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	1000		12/19/2024	0432
7440-70-2	Calcium	170000	D	12/23/2024	1729
7439-89-6	Iron	2700		12/19/2024	0432
7439-95-4	Magnesium	130000	D	12/21/2024	1426
7440-09-7	Potassium	500	U	12/19/2024	0432
7440-23-5	Sodium	260	J	12/19/2024	0432

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

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ME28P8

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-10
% Solids: 72.2 Date Received: 12/06/2024
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	9100		12/19/2024	0436
7440-70-2	Calcium	35000		12/19/2024	0436
7439-89-6	Iron	51000		12/19/2024	0436
7439-95-4	Magnesium	8000		12/19/2024	0436
7440-09-7	Potassium	2200		12/19/2024	0436
7440-23-5	Sodium	570	J	12/19/2024	0436

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

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ME28P9

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-11
% Solids: 81.4 Date Received: 12/06/2024
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		12/19/2024	0440
7440-70-2	Calcium	38000		12/19/2024	0440
7439-89-6	Iron	170000	D	12/21/2024	1430
7439-95-4	Magnesium	9000		12/19/2024	0440
7440-09-7	Potassium	1900		12/19/2024	0440
7440-23-5	Sodium	580		12/19/2024	0440

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

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ME28Q0

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-12
% Solids: 68.8 Date Received: 12/06/2024
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		12/19/2024	0444
7440-70-2	Calcium	58000		12/19/2024	0444
7439-89-6	Iron	36000		12/19/2024	0444
7439-95-4	Magnesium	12000		12/19/2024	0444
7440-09-7	Potassium	2300		12/19/2024	0444
7440-23-5	Sodium	860		12/19/2024	0444

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

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ME28Q1

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-13
% Solids: 87.5 Date Received: 12/06/2024
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		12/19/2024	0447
7440-70-2	Calcium	31000		12/19/2024	0447
7439-89-6	Iron	79000	D	12/21/2024	1434
7439-95-4	Magnesium	7100		12/19/2024	0447
7440-09-7	Potassium	1500		12/19/2024	0447
7440-23-5	Sodium	450		12/19/2024	0447

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

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ME28Q2

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-14
% Solids: 83.6 Date Received: 12/06/2024
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	9300		12/19/2024	0451
7440-70-2	Calcium	43000		12/19/2024	0451
7439-89-6	Iron	45000	D	12/21/2024	1438
7439-95-4	Magnesium	10000		12/19/2024	0451
7440-09-7	Potassium	1400		12/19/2024	0451
7440-23-5	Sodium	410	J	12/19/2024	0451

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

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ME28Q3

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-15
% Solids: 77.3 Date Received: 12/06/2024
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	5200		12/19/2024	0503
7440-70-2	Calcium	54000		12/19/2024	0503
7439-89-6	Iron	150000	D	12/21/2024	1442
7439-95-4	Magnesium	8800		12/19/2024	0503
7440-09-7	Potassium	840		12/19/2024	0503
7440-23-5	Sodium	600		12/19/2024	0503

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

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ME28Q4

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-16
% Solids: 77.8 Date Received: 12/06/2024
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	5600		12/19/2024	0506
7440-70-2	Calcium	54000		12/19/2024	0506
7439-89-6	Iron	150000	D	12/21/2024	1445
7439-95-4	Magnesium	9700		12/19/2024	0506
7440-09-7	Potassium	870		12/19/2024	0506
7440-23-5	Sodium	670		12/19/2024	0506

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

Comments:

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ME28Q5

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-19
% Solids: 84.5 Date Received: 12/06/2024
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		12/19/2024	0510
7440-70-2	Calcium	39000		12/19/2024	0510
7439-89-6	Iron	25000		12/19/2024	0510
7439-95-4	Magnesium	6900		12/19/2024	0510
7440-09-7	Potassium	1200		12/19/2024	0510
7440-23-5	Sodium	300	J	12/19/2024	0510

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

Comments:

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ME28R3

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-20
% Solids: 77.5 Date Received: 12/06/2024
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	9700		12/19/2024	0514
7440-70-2	Calcium	62000		12/19/2024	0514
7439-89-6	Iron	84000	D	12/21/2024	1508
7439-95-4	Magnesium	9900		12/19/2024	0514
7440-09-7	Potassium	2200		12/19/2024	0514
7440-23-5	Sodium	460	J	12/19/2024	0514

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

Comments:

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EPA SAMPLE NO.

ME28R4

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
Lab Code: ACE Case No.: 51847 MA No. : SDG No.: ME28N9
Matrix: SOIL Lab Sample ID: P5154-21
% Solids: 77.6 Date Received: 12/06/2024
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	9200		12/19/2024	0518
7440-70-2	Calcium	60000		12/19/2024	0518
7439-89-6	Iron	97000	D	12/21/2024	1512
7439-95-4	Magnesium	9300		12/19/2024	0518
7440-09-7	Potassium	2100		12/19/2024	0518
7440-23-5	Sodium	350	J	12/19/2024	0518

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

Comments: