

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

A6313

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6313

Matrix: SOIL Lab Sample ID: Q1246-01

% Solids: 100 Date Received: 01/31/2025

Analytical Method: ICP_MS

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
7440-36-0	Antimony	25		02/02/2025	1632
7440-38-2	Arsenic	180		02/02/2025	1632
7440-39-3	Barium	340		02/02/2025	1632
7440-41-7	Beryllium	140		02/02/2025	1632
7440-43-9	Cadmium	100		02/02/2025	1632
7440-47-3	Chromium	230		02/02/2025	1632
7440-48-4	Cobalt	170		02/02/2025	1632
7440-50-8	Copper	130		02/02/2025	1632
7439-92-1	Lead	140		02/02/2025	1632
7439-96-5	Manganese	400		02/02/2025	1632
7440-02-0	Nickel	110		02/02/2025	1632
7782-49-2	Selenium	91	*	02/02/2025	1632
7440-22-4	Silver	33		02/02/2025	1632
7440-28-0	Thallium	160		02/02/2025	1632
7440-62-2	Vanadium	110		02/02/2025	1632
7440-66-6	Zinc	380		02/02/2025	1632

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

Comments:

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A6314

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6313

Matrix: SOIL Lab Sample ID: Q1246-02

% Solids: 100 Date Received: 01/31/2025

Analytical Method: ICP_MS

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
7440-36-0	Antimony	19		02/02/2025	1635
7440-38-2	Arsenic	140		02/02/2025	1635
7440-39-3	Barium	300		02/02/2025	1635
7440-41-7	Beryllium	100		02/02/2025	1635
7440-43-9	Cadmium	120		02/02/2025	1635
7440-47-3	Chromium	140		02/02/2025	1635
7440-48-4	Cobalt	150		02/02/2025	1635
7440-50-8	Copper	250		02/02/2025	1635
7439-92-1	Lead	210		02/02/2025	1635
7439-96-5	Manganese	410		02/02/2025	1635
7440-02-0	Nickel	180		02/02/2025	1635
7782-49-2	Selenium	150	*	02/02/2025	1635
7440-22-4	Silver	30		02/02/2025	1635
7440-28-0	Thallium	87		02/02/2025	1635
7440-62-2	Vanadium	150		02/02/2025	1635
7440-66-6	Zinc	200		02/02/2025	1635

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

Comments:

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A6325

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6313

Matrix: SOIL Lab Sample ID: Q1246-03

% Solids: 28.7 Date Received: 01/31/2025

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.30	J	02/02/2025	1638
7440-38-2	Arsenic	3.4		02/02/2025	1638
7440-39-3	Barium	58		02/02/2025	1638
7440-41-7	Beryllium	1.4		02/02/2025	1638
7440-43-9	Cadmium	0.34	J	02/02/2025	1638
7440-47-3	Chromium	18		02/02/2025	1638
7440-48-4	Cobalt	1.7		02/02/2025	1638
7440-50-8	Copper	20		02/02/2025	1638
7439-92-1	Lead	75		02/02/2025	1638
7439-96-5	Manganese	71		02/02/2025	1638
7440-02-0	Nickel	8.1		02/02/2025	1638
7782-49-2	Selenium	1.4	J*	02/02/2025	1638
7440-22-4	Silver	0.16	J	02/02/2025	1638
7440-28-0	Thallium	0.21	J	02/02/2025	1638
7440-62-2	Vanadium	13		02/02/2025	1638
7440-66-6	Zinc	44		02/02/2025	1638

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

Comments:

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A6326

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6313

Matrix: SOIL Lab Sample ID: Q1246-04

% Solids: 37.5 Date Received: 01/31/2025

Analytical Method: ICP_MS

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
7440-36-0	Antimony	2.2	U	02/02/2025	1642
7440-38-2	Arsenic	1.6		02/02/2025	1642
7440-39-3	Barium	44		02/02/2025	1642
7440-41-7	Beryllium	0.95	J	02/02/2025	1642
7440-43-9	Cadmium	0.20	J	02/02/2025	1642
7440-47-3	Chromium	21		02/02/2025	1642
7440-48-4	Cobalt	2.2		02/02/2025	1642
7440-50-8	Copper	4.8		02/02/2025	1642
7439-92-1	Lead	13		02/02/2025	1642
7439-96-5	Manganese	140		02/02/2025	1642
7440-02-0	Nickel	9.8		02/02/2025	1642
7782-49-2	Selenium	2.5	J*	02/02/2025	1642
7440-22-4	Silver	0.14	J	02/02/2025	1642
7440-28-0	Thallium	0.12	J	02/02/2025	1642
7440-62-2	Vanadium	5.9		02/02/2025	1642
7440-66-6	Zinc	26		02/02/2025	1642

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

Comments:

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A6331

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6313
 Matrix: SOIL Lab Sample ID: Q1246-05
 % Solids: 15.5 Date Received: 01/31/2025
 Analytical Method: ICP_MS
 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
7440-36-0	Antimony	0.55	J	02/02/2025	1645
7440-38-2	Arsenic	30		02/02/2025	1645
7440-39-3	Barium	78		02/02/2025	1645
7440-41-7	Beryllium	1.1		02/02/2025	1645
7440-43-9	Cadmium	1.0		02/02/2025	1645
7440-47-3	Chromium	31		02/02/2025	1645
7440-48-4	Cobalt	11		02/02/2025	1645
7440-50-8	Copper	21		02/02/2025	1645
7439-92-1	Lead	54		02/02/2025	1645
7439-96-5	Manganese	470		02/02/2025	1645
7440-02-0	Nickel	35		02/02/2025	1645
7782-49-2	Selenium	3.5	*	02/02/2025	1645
7440-22-4	Silver	0.35	J	02/02/2025	1645
7440-28-0	Thallium	0.21	J	02/02/2025	1645
7440-62-2	Vanadium	37		02/02/2025	1645
7440-66-6	Zinc	130		02/02/2025	1645

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

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A6332

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6313

Matrix: SOIL Lab Sample ID: Q1246-06

% Solids: 35.9 Date Received: 01/31/2025

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.17	J	02/02/2025	1648
7440-38-2	Arsenic	26		02/02/2025	1648
7440-39-3	Barium	49		02/02/2025	1648
7440-41-7	Beryllium	0.71	J	02/02/2025	1648
7440-43-9	Cadmium	0.19	J	02/02/2025	1648
7440-47-3	Chromium	37		02/02/2025	1648
7440-48-4	Cobalt	10		02/02/2025	1648
7440-50-8	Copper	11		02/02/2025	1648
7439-92-1	Lead	30		02/02/2025	1648
7439-96-5	Manganese	320		02/02/2025	1648
7440-02-0	Nickel	31		02/02/2025	1648
7782-49-2	Selenium	1.3	J*	02/02/2025	1648
7440-22-4	Silver	0.20	J	02/02/2025	1648
7440-28-0	Thallium	0.15	J	02/02/2025	1648
7440-62-2	Vanadium	31		02/02/2025	1648
7440-66-6	Zinc	60		02/02/2025	1648

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

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A6333

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6313

Matrix: SOIL Lab Sample ID: Q1246-07

% Solids: 23.3 Date Received: 01/31/2025

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.25	J	02/02/2025	1651
7440-38-2	Arsenic	26		02/02/2025	1651
7440-39-3	Barium	54		02/02/2025	1651
7440-41-7	Beryllium	0.79		02/02/2025	1651
7440-43-9	Cadmium	0.60		02/02/2025	1651
7440-47-3	Chromium	32		02/02/2025	1651
7440-48-4	Cobalt	10		02/02/2025	1651
7440-50-8	Copper	13		02/02/2025	1651
7439-92-1	Lead	48		02/02/2025	1651
7439-96-5	Manganese	480		02/02/2025	1651
7440-02-0	Nickel	31		02/02/2025	1651
7782-49-2	Selenium	1.5	J*	02/02/2025	1651
7440-22-4	Silver	0.23	J	02/02/2025	1651
7440-28-0	Thallium	0.13	J	02/02/2025	1651
7440-62-2	Vanadium	26		02/02/2025	1651
7440-66-6	Zinc	71		02/02/2025	1651

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

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A6334

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6313

Matrix: SOIL Lab Sample ID: Q1246-08

% Solids: 21.3 Date Received: 01/31/2025

Analytical Method: ICP_MS

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
7440-36-0	Antimony	0.24	J	02/02/2025	1654
7440-38-2	Arsenic	28		02/02/2025	1654
7440-39-3	Barium	65		02/02/2025	1654
7440-41-7	Beryllium	0.90		02/02/2025	1654
7440-43-9	Cadmium	0.62		02/02/2025	1654
7440-47-3	Chromium	38		02/02/2025	1654
7440-48-4	Cobalt	12		02/02/2025	1654
7440-50-8	Copper	14		02/02/2025	1654
7439-92-1	Lead	53		02/02/2025	1654
7439-96-5	Manganese	540		02/02/2025	1654
7440-02-0	Nickel	36		02/02/2025	1654
7782-49-2	Selenium	1.6	J*	02/02/2025	1654
7440-22-4	Silver	0.28	J	02/02/2025	1654
7440-28-0	Thallium	0.14	J	02/02/2025	1654
7440-62-2	Vanadium	30		02/02/2025	1654
7440-66-6	Zinc	78		02/02/2025	1654

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

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A6342

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6313

Matrix: SOIL Lab Sample ID: Q1246-09

% Solids: 61.9 Date Received: 01/31/2025

Analytical Method: ICP_MS

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
7440-36-0	Antimony	1.1	U	02/02/2025	1542
7440-38-2	Arsenic	3.5		02/02/2025	1542
7440-39-3	Barium	26		02/02/2025	1542
7440-41-7	Beryllium	0.34	J	02/02/2025	1542
7440-43-9	Cadmium	0.55	U	02/02/2025	1542
7440-47-3	Chromium	17		02/02/2025	1542
7440-48-4	Cobalt	2.7		02/02/2025	1542
7440-50-8	Copper	6.2		02/02/2025	1542
7439-92-1	Lead	93		02/02/2025	1542
7439-96-5	Manganese	79		02/02/2025	1542
7440-02-0	Nickel	9.3		02/02/2025	1542
7782-49-2	Selenium	2.7	U*	02/02/2025	1542
7440-22-4	Silver	0.55	U	02/02/2025	1542
7440-28-0	Thallium	0.10	J	02/02/2025	1542
7440-62-2	Vanadium	15		02/02/2025	1542
7440-66-6	Zinc	25		02/02/2025	1542

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

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A6343

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6313

Matrix: SOIL Lab Sample ID: Q1246-12

% Solids: 53.1 Date Received: 01/31/2025

Analytical Method: ICP_MS

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
7440-36-0	Antimony	1.4	U	02/02/2025	1710
7440-38-2	Arsenic	6.0		02/02/2025	1710
7440-39-3	Barium	26		02/02/2025	1710
7440-41-7	Beryllium	0.32	J	02/02/2025	1710
7440-43-9	Cadmium	0.70	U	02/02/2025	1710
7440-47-3	Chromium	18		02/02/2025	1710
7440-48-4	Cobalt	2.2		02/02/2025	1710
7440-50-8	Copper	4.1		02/02/2025	1710
7439-92-1	Lead	28		02/02/2025	1710
7439-96-5	Manganese	68		02/02/2025	1710
7440-02-0	Nickel	7.9		02/02/2025	1710
7782-49-2	Selenium	0.60	J*	02/02/2025	1710
7440-22-4	Silver	0.70	U	02/02/2025	1710
7440-28-0	Thallium	0.11	J	02/02/2025	1710
7440-62-2	Vanadium	16		02/02/2025	1710
7440-66-6	Zinc	28		02/02/2025	1710

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

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A6344

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6313

Matrix: SOIL Lab Sample ID: Q1246-13

% Solids: 38.1 Date Received: 01/31/2025

Analytical Method: ICP_MS

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
7440-36-0	Antimony	2.0	U	02/02/2025	1713
7440-38-2	Arsenic	7.5		02/02/2025	1713
7440-39-3	Barium	35		02/02/2025	1713
7440-41-7	Beryllium	0.35	J	02/02/2025	1713
7440-43-9	Cadmium	0.99	U	02/02/2025	1713
7440-47-3	Chromium	13		02/02/2025	1713
7440-48-4	Cobalt	5.2		02/02/2025	1713
7440-50-8	Copper	5.2		02/02/2025	1713
7439-92-1	Lead	13		02/02/2025	1713
7439-96-5	Manganese	110		02/02/2025	1713
7440-02-0	Nickel	11		02/02/2025	1713
7782-49-2	Selenium	0.67	J*	02/02/2025	1713
7440-22-4	Silver	0.99	U	02/02/2025	1713
7440-28-0	Thallium	0.11	J	02/02/2025	1713
7440-62-2	Vanadium	12		02/02/2025	1713
7440-66-6	Zinc	54		02/02/2025	1713

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

Comments:

A6345

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6313

Matrix: SOIL Lab Sample ID: Q1246-14

% Solids: 33.4 Date Received: 01/31/2025

Analytical Method: ICP_MS

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
7440-36-0	Antimony	2.0	U	02/02/2025	1716
7440-38-2	Arsenic	6.8		02/02/2025	1716
7440-39-3	Barium	56		02/02/2025	1716
7440-41-7	Beryllium	0.45	J	02/02/2025	1716
7440-43-9	Cadmium	1.0	U	02/02/2025	1716
7440-47-3	Chromium	21		02/02/2025	1716
7440-48-4	Cobalt	5.4		02/02/2025	1716
7440-50-8	Copper	5.9		02/02/2025	1716
7439-92-1	Lead	16		02/02/2025	1716
7439-96-5	Manganese	170		02/02/2025	1716
7440-02-0	Nickel	13		02/02/2025	1716
7782-49-2	Selenium	0.73	J*	02/02/2025	1716
7440-22-4	Silver	1.0	U	02/02/2025	1716
7440-28-0	Thallium	0.15	J	02/02/2025	1716
7440-62-2	Vanadium	17		02/02/2025	1716
7440-66-6	Zinc	43		02/02/2025	1716

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

Comments:

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A6346

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6313

Matrix: SOIL Lab Sample ID: Q1246-15

% Solids: 67.6 Date Received: 01/31/2025

Analytical Method: ICP_MS

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
7440-36-0	Antimony	1.2	U	02/02/2025	1720
7440-38-2	Arsenic	5.0		02/02/2025	1720
7440-39-3	Barium	28		02/02/2025	1720
7440-41-7	Beryllium	0.25	J	02/02/2025	1720
7440-43-9	Cadmium	0.60	U	02/02/2025	1720
7440-47-3	Chromium	12		02/02/2025	1720
7440-48-4	Cobalt	3.6		02/02/2025	1720
7440-50-8	Copper	5.9		02/02/2025	1720
7439-92-1	Lead	8.5		02/02/2025	1720
7439-96-5	Manganese	140		02/02/2025	1720
7440-02-0	Nickel	8.8		02/02/2025	1720
7782-49-2	Selenium	3.0	U*	02/02/2025	1720
7440-22-4	Silver	0.60	U	02/02/2025	1720
7440-28-0	Thallium	0.096	J	02/02/2025	1720
7440-62-2	Vanadium	11		02/02/2025	1720
7440-66-6	Zinc	28		02/02/2025	1720

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

Comments:

A6347

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6313

Matrix: SOIL Lab Sample ID: Q1246-16

% Solids: 52.4 Date Received: 01/31/2025

Analytical Method: ICP_MS

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
7440-36-0	Antimony	1.5	U	02/02/2025	1723
7440-38-2	Arsenic	2.7		02/02/2025	1723
7440-39-3	Barium	41		02/02/2025	1723
7440-41-7	Beryllium	0.42	J	02/02/2025	1723
7440-43-9	Cadmium	0.75	U	02/02/2025	1723
7440-47-3	Chromium	31		02/02/2025	1723
7440-48-4	Cobalt	4.3		02/02/2025	1723
7440-50-8	Copper	2.3		02/02/2025	1723
7439-92-1	Lead	18		02/02/2025	1723
7439-96-5	Manganese	120		02/02/2025	1723
7440-02-0	Nickel	13		02/02/2025	1723
7782-49-2	Selenium	0.47	J*	02/02/2025	1723
7440-22-4	Silver	0.75	U	02/02/2025	1723
7440-28-0	Thallium	0.17	J	02/02/2025	1723
7440-62-2	Vanadium	22		02/02/2025	1723
7440-66-6	Zinc	32		02/02/2025	1723

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

Comments: