

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

A6301

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301

Matrix: SOIL Lab Sample ID: Q1223-01

% Solids: 26.4 Date Received: 01/30/2025

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	0.36	J*	02/02/2025	1657
7440-38-2	Arsenic	200		02/02/2025	1657
7440-39-3	Barium	43		02/02/2025	1657
7440-41-7	Beryllium	1.8		02/02/2025	1657
7440-43-9	Cadmium	0.73		02/02/2025	1657
7440-47-3	Chromium	390		02/02/2025	1657
7440-48-4	Cobalt	2.8		02/02/2025	1657
7440-50-8	Copper	1600		02/02/2025	1657
7439-92-1	Lead	60		02/02/2025	1657
7439-96-5	Manganese	170		02/02/2025	1657
7440-02-0	Nickel	110		02/02/2025	1657
7782-49-2	Selenium	0.67	J*	02/02/2025	1657
7440-22-4	Silver	5.4		02/02/2025	1657
7440-28-0	Thallium	0.13	J	02/02/2025	1657
7440-62-2	Vanadium	15		02/02/2025	1657
7440-66-6	Zinc	520	*	02/02/2025	1657

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

Comments:

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A6302

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301

Matrix: SOIL Lab Sample ID: Q1223-02

% Solids: 23.8 Date Received: 01/30/2025

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	0.47	J*	02/02/2025	1701
7440-38-2	Arsenic	21		02/02/2025	1701
7440-39-3	Barium	190		02/02/2025	1701
7440-41-7	Beryllium	1.2		02/02/2025	1701
7440-43-9	Cadmium	0.69		02/02/2025	1701
7440-47-3	Chromium	550	D	02/02/2025	1800
7440-48-4	Cobalt	150		02/02/2025	1701
7440-50-8	Copper	1200		02/02/2025	1701
7439-92-1	Lead	52		02/02/2025	1701
7439-96-5	Manganese	15000	D	02/02/2025	1804
7440-02-0	Nickel	370		02/02/2025	1701
7782-49-2	Selenium	0.71	J*	02/02/2025	1701
7440-22-4	Silver	1.6		02/02/2025	1701
7440-28-0	Thallium	0.36	J	02/02/2025	1701
7440-62-2	Vanadium	13		02/02/2025	1701
7440-66-6	Zinc	110	*	02/02/2025	1701

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

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A6303

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301

Matrix: SOIL Lab Sample ID: Q1223-03

% Solids: 52.2 Date Received: 01/30/2025

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	1704
7440-38-2	Arsenic	34		02/02/2025	1704
7440-39-3	Barium	22		02/02/2025	1704
7440-41-7	Beryllium	0.31	J	02/02/2025	1704
7440-43-9	Cadmium	0.81	U	02/02/2025	1704
7440-47-3	Chromium	140		02/02/2025	1704
7440-48-4	Cobalt	11		02/02/2025	1704
7440-50-8	Copper	74		02/02/2025	1704
7439-92-1	Lead	38		02/02/2025	1704
7439-96-5	Manganese	420		02/02/2025	1704
7440-02-0	Nickel	23		02/02/2025	1704
7782-49-2	Selenium	4.1	U*	02/02/2025	1704
7440-22-4	Silver	0.12	J	02/02/2025	1704
7440-28-0	Thallium	0.089	J	02/02/2025	1704
7440-62-2	Vanadium	16		02/02/2025	1704
7440-66-6	Zinc	55	*	02/02/2025	1704

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

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A6304

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301

Matrix: SOIL Lab Sample ID: Q1223-04

% Solids: 50.8 Date Received: 01/30/2025

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	1707
7440-38-2	Arsenic	41		02/02/2025	1707
7440-39-3	Barium	21		02/02/2025	1707
7440-41-7	Beryllium	0.28	J	02/02/2025	1707
7440-43-9	Cadmium	0.79	U	02/02/2025	1707
7440-47-3	Chromium	130		02/02/2025	1707
7440-48-4	Cobalt	9.0		02/02/2025	1707
7440-50-8	Copper	65		02/02/2025	1707
7439-92-1	Lead	33		02/02/2025	1707
7439-96-5	Manganese	360		02/02/2025	1707
7440-02-0	Nickel	22		02/02/2025	1707
7782-49-2	Selenium	3.9	U*	02/02/2025	1707
7440-22-4	Silver	0.087	J	02/02/2025	1707
7440-28-0	Thallium	0.071	J	02/02/2025	1707
7440-62-2	Vanadium	15		02/02/2025	1707
7440-66-6	Zinc	51	*	02/02/2025	1707

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

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A6305

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301

Matrix: SOIL Lab Sample ID: Q1223-05

% Solids: 24.3 Date Received: 01/30/2025

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	0.20	J*	02/02/2025	1530
7440-38-2	Arsenic	53		02/02/2025	1530
7440-39-3	Barium	72		02/02/2025	1530
7440-41-7	Beryllium	1.4		02/02/2025	1530
7440-43-9	Cadmium	0.62		02/02/2025	1530
7440-47-3	Chromium	360	D	02/02/2025	1726
7440-48-4	Cobalt	5.5		02/02/2025	1530
7440-50-8	Copper	630		02/02/2025	1530
7439-92-1	Lead	180		02/02/2025	1530
7439-96-5	Manganese	880		02/02/2025	1530
7440-02-0	Nickel	62		02/02/2025	1530
7782-49-2	Selenium	0.53	J*	02/02/2025	1530
7440-22-4	Silver	0.90		02/02/2025	1530
7440-28-0	Thallium	0.12	J	02/02/2025	1530
7440-62-2	Vanadium	11		02/02/2025	1530
7440-66-6	Zinc	77	*	02/02/2025	1530

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

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A6306

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301

Matrix: SOIL Lab Sample ID: Q1223-08

% Solids: 69 Date Received: 01/30/2025

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	0.43	J*	02/02/2025	1555
7440-38-2	Arsenic	22		02/02/2025	1555
7440-39-3	Barium	30		02/02/2025	1555
7440-41-7	Beryllium	0.36	J	02/02/2025	1555
7440-43-9	Cadmium	0.61	U	02/02/2025	1555
7440-47-3	Chromium	990	D	02/02/2025	1738
7440-48-4	Cobalt	3.8		02/02/2025	1555
7440-50-8	Copper	730		02/02/2025	1555
7439-92-1	Lead	230		02/02/2025	1555
7439-96-5	Manganese	130		02/02/2025	1555
7440-02-0	Nickel	20		02/02/2025	1555
7782-49-2	Selenium	0.40	J*	02/02/2025	1555
7440-22-4	Silver	2.9		02/02/2025	1555
7440-28-0	Thallium	0.092	J	02/02/2025	1555
7440-62-2	Vanadium	16		02/02/2025	1555
7440-66-6	Zinc	34	*	02/02/2025	1555

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

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A6307

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301

Matrix: SOIL Lab Sample ID: Q1223-09

% Solids: 24.7 Date Received: 01/30/2025

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	0.40	J*	02/02/2025	1558
7440-38-2	Arsenic	30		02/02/2025	1558
7440-39-3	Barium	20		02/02/2025	1558
7440-41-7	Beryllium	0.88		02/02/2025	1558
7440-43-9	Cadmium	0.21	J	02/02/2025	1558
7440-47-3	Chromium	25		02/02/2025	1558
7440-48-4	Cobalt	15		02/02/2025	1558
7440-50-8	Copper	12		02/02/2025	1558
7439-92-1	Lead	47		02/02/2025	1558
7439-96-5	Manganese	200		02/02/2025	1558
7440-02-0	Nickel	11		02/02/2025	1558
7782-49-2	Selenium	1.3	J*	02/02/2025	1558
7440-22-4	Silver	0.19	J	02/02/2025	1558
7440-28-0	Thallium	0.072	J	02/02/2025	1558
7440-62-2	Vanadium	18		02/02/2025	1558
7440-66-6	Zinc	21	*	02/02/2025	1558

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

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A6308

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301

Matrix: SOIL Lab Sample ID: Q1223-10

% Solids: 44.2 Date Received: 01/30/2025

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	1.6	J*	02/02/2025	1602
7440-38-2	Arsenic	65		02/02/2025	1602
7440-39-3	Barium	35		02/02/2025	1602
7440-41-7	Beryllium	0.12	J	02/02/2025	1602
7440-43-9	Cadmium	0.95	U	02/02/2025	1602
7440-47-3	Chromium	8300	D	02/02/2025	1742
7440-48-4	Cobalt	2.2		02/02/2025	1602
7440-50-8	Copper	390		02/02/2025	1602
7439-92-1	Lead	550		02/02/2025	1602
7439-96-5	Manganese	86		02/02/2025	1602
7440-02-0	Nickel	17		02/02/2025	1602
7782-49-2	Selenium	0.64	J*	02/02/2025	1602
7440-22-4	Silver	16		02/02/2025	1602
7440-28-0	Thallium	0.086	J	02/02/2025	1602
7440-62-2	Vanadium	26		02/02/2025	1602
7440-66-6	Zinc	32	*	02/02/2025	1602

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

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A6309

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301

Matrix: SOIL Lab Sample ID: Q1223-11

% Solids: 64.9 Date Received: 01/30/2025

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	0.27	J*	02/02/2025	1605
7440-38-2	Arsenic	13		02/02/2025	1605
7440-39-3	Barium	24		02/02/2025	1605
7440-41-7	Beryllium	0.19	J	02/02/2025	1605
7440-43-9	Cadmium	0.13	J	02/02/2025	1605
7440-47-3	Chromium	19		02/02/2025	1605
7440-48-4	Cobalt	5.0		02/02/2025	1605
7440-50-8	Copper	26		02/02/2025	1605
7439-92-1	Lead	17		02/02/2025	1605
7439-96-5	Manganese	120		02/02/2025	1605
7440-02-0	Nickel	14		02/02/2025	1605
7782-49-2	Selenium	3.2	U*	02/02/2025	1605
7440-22-4	Silver	0.31	J	02/02/2025	1605
7440-28-0	Thallium	0.070	J	02/02/2025	1605
7440-62-2	Vanadium	9.1		02/02/2025	1605
7440-66-6	Zinc	74	*	02/02/2025	1605

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

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A6320

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301

Matrix: SOIL Lab Sample ID: Q1223-12

% Solids: 84 Date Received: 01/30/2025

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	1.0	U*	02/02/2025	1608
7440-38-2	Arsenic	2.4		02/02/2025	1608
7440-39-3	Barium	20		02/02/2025	1608
7440-41-7	Beryllium	0.32	J	02/02/2025	1608
7440-43-9	Cadmium	0.52	U	02/02/2025	1608
7440-47-3	Chromium	14		02/02/2025	1608
7440-48-4	Cobalt	3.1		02/02/2025	1608
7440-50-8	Copper	5.4		02/02/2025	1608
7439-92-1	Lead	3.8		02/02/2025	1608
7439-96-5	Manganese	43		02/02/2025	1608
7440-02-0	Nickel	9.5		02/02/2025	1608
7782-49-2	Selenium	2.6	U*	02/02/2025	1608
7440-22-4	Silver	0.52	U	02/02/2025	1608
7440-28-0	Thallium	0.057	J	02/02/2025	1608
7440-62-2	Vanadium	9.0		02/02/2025	1608
7440-66-6	Zinc	17	*	02/02/2025	1608

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

Comments:

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A6321

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301

Matrix: SOIL Lab Sample ID: Q1223-13

% Solids: 47.9 Date Received: 01/30/2025

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	0.18	J*	02/02/2025	1611
7440-38-2	Arsenic	36		02/02/2025	1611
7440-39-3	Barium	79		02/02/2025	1611
7440-41-7	Beryllium	0.65	J	02/02/2025	1611
7440-43-9	Cadmium	0.85	U	02/02/2025	1611
7440-47-3	Chromium	2800	D	02/02/2025	1745
7440-48-4	Cobalt	6.4		02/02/2025	1611
7440-50-8	Copper	1900		02/02/2025	1611
7439-92-1	Lead	120		02/02/2025	1611
7439-96-5	Manganese	220		02/02/2025	1611
7440-02-0	Nickel	56		02/02/2025	1611
7782-49-2	Selenium	0.78	J*	02/02/2025	1611
7440-22-4	Silver	2.5		02/02/2025	1611
7440-28-0	Thallium	0.17	J	02/02/2025	1611
7440-62-2	Vanadium	23		02/02/2025	1611
7440-66-6	Zinc	63	*	02/02/2025	1611

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

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A6322

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301

Matrix: SOIL Lab Sample ID: Q1223-14

% Solids: 12.9 Date Received: 01/30/2025

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	0.40	J*	02/02/2025	1614
7440-38-2	Arsenic	120		02/02/2025	1614
7440-39-3	Barium	110		02/02/2025	1614
7440-41-7	Beryllium	1.1		02/02/2025	1614
7440-43-9	Cadmium	1.1		02/02/2025	1614
7440-47-3	Chromium	1200	D	02/02/2025	1748
7440-48-4	Cobalt	15		02/02/2025	1614
7440-50-8	Copper	660		02/02/2025	1614
7439-92-1	Lead	93		02/02/2025	1614
7439-96-5	Manganese	890		02/02/2025	1614
7440-02-0	Nickel	55		02/02/2025	1614
7782-49-2	Selenium	0.78	J*	02/02/2025	1614
7440-22-4	Silver	1.3		02/02/2025	1614
7440-28-0	Thallium	0.19	J	02/02/2025	1614
7440-62-2	Vanadium	31		02/02/2025	1614
7440-66-6	Zinc	210	*	02/02/2025	1614

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

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A6323

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301

Matrix: SOIL Lab Sample ID: Q1223-15

% Solids: 28.3 Date Received: 01/30/2025

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	0.11	J*	02/02/2025	1617
7440-38-2	Arsenic	5.8		02/02/2025	1617
7440-39-3	Barium	27		02/02/2025	1617
7440-41-7	Beryllium	0.27	J	02/02/2025	1617
7440-43-9	Cadmium	0.088	J	02/02/2025	1617
7440-47-3	Chromium	760	D	02/02/2025	1751
7440-48-4	Cobalt	2.5		02/02/2025	1617
7440-50-8	Copper	1300		02/02/2025	1617
7439-92-1	Lead	88		02/02/2025	1617
7439-96-5	Manganese	58		02/02/2025	1617
7440-02-0	Nickel	92		02/02/2025	1617
7782-49-2	Selenium	0.51	J*	02/02/2025	1617
7440-22-4	Silver	1.5		02/02/2025	1617
7440-28-0	Thallium	0.064	J	02/02/2025	1617
7440-62-2	Vanadium	7.4		02/02/2025	1617
7440-66-6	Zinc	150	*	02/02/2025	1617

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

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A6324

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

Lab Code: ACE Case No.: 51952 MA No. : SDG No.: A6301

Matrix: SOIL Lab Sample ID: Q1223-16

% Solids: 25.5 Date Received: 01/30/2025

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	0.38	J*	02/02/2025	1620
7440-38-2	Arsenic	38		02/02/2025	1620
7440-39-3	Barium	120		02/02/2025	1620
7440-41-7	Beryllium	0.82		02/02/2025	1620
7440-43-9	Cadmium	0.54		02/02/2025	1620
7440-47-3	Chromium	24		02/02/2025	1620
7440-48-4	Cobalt	5.9		02/02/2025	1620
7440-50-8	Copper	16		02/02/2025	1620
7439-92-1	Lead	43		02/02/2025	1620
7439-96-5	Manganese	120		02/02/2025	1620
7440-02-0	Nickel	32		02/02/2025	1620
7782-49-2	Selenium	1.9	J*	02/02/2025	1620
7440-22-4	Silver	0.23	J	02/02/2025	1620
7440-28-0	Thallium	0.29	J	02/02/2025	1620
7440-62-2	Vanadium	32		02/02/2025	1620
7440-66-6	Zinc	54	*	02/02/2025	1620

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

Comments:
