

FORM 1 - IN
INORGANIC ANALYSIS DATA SHEET

MC0AE3

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51953 MA No. : SDG No.: MC0AF9
 Matrix: Water Lab Sample ID: Q1087-16
 % Solids: Date Received: 01/17/2025
 Analytical Method: ICP_MS
 Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): ug/L

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	550		01/21/2025	1801
7440-36-0	Antimony	1.4	J	01/21/2025	1801
7440-38-2	Arsenic	2.8		01/21/2025	1801
7440-39-3	Barium	50		01/21/2025	1801
7440-41-7	Beryllium	1.0	U	01/21/2025	1801
7440-43-9	Cadmium	1.0	U	01/21/2025	1801
7440-70-2	Calcium	43000		01/21/2025	1801
7440-47-3	Chromium	4.0		01/21/2025	1801
7440-48-4	Cobalt	0.51	J	01/21/2025	1801
7440-50-8	Copper	320		01/21/2025	1801
7439-89-6	Iron	1200		01/21/2025	1801
7439-92-1	Lead	3.9		01/21/2025	1801
7439-95-4	Magnesium	8100		01/21/2025	1801
7439-96-5	Manganese	51		01/21/2025	1801
7440-02-0	Nickel	4.8		01/21/2025	1801
7440-09-7	Potassium	4100		01/21/2025	1801
7782-49-2	Selenium	5.0	U	01/21/2025	1801
7440-22-4	Silver	1.0	U	01/21/2025	1801
7440-23-5	Sodium	44000		01/21/2025	1801
7440-28-0	Thallium	1.0	U	01/21/2025	1801
7440-62-2	Vanadium	1.3	J	01/21/2025	1801
7440-66-6	Zinc	320		01/21/2025	1801

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

Comments:

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MC0AE5

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

Lab Code: ACE Case No.: 51953 MA No. : SDG No.: MC0AF9

Matrix: Water Lab Sample ID: Q1087-18

% Solids: Date Received: 01/17/2025

Analytical Method: ICP_MS

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): ug/L

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	170		01/21/2025	1807
7440-36-0	Antimony	0.39	J	01/21/2025	1807
7440-38-2	Arsenic	2.3		01/21/2025	1807
7440-39-3	Barium	67		01/21/2025	1807
7440-41-7	Beryllium	1.0	U	01/21/2025	1807
7440-43-9	Cadmium	1.0	U	01/21/2025	1807
7440-70-2	Calcium	47000		01/21/2025	1807
7440-47-3	Chromium	8.1		01/21/2025	1807
7440-48-4	Cobalt	0.37	J	01/21/2025	1807
7440-50-8	Copper	110		01/21/2025	1807
7439-89-6	Iron	750		01/21/2025	1807
7439-92-1	Lead	1.4		01/21/2025	1807
7439-95-4	Magnesium	12000		01/21/2025	1807
7439-96-5	Manganese	80		01/21/2025	1807
7440-02-0	Nickel	1.5		01/21/2025	1807
7440-09-7	Potassium	8400		01/21/2025	1807
7782-49-2	Selenium	5.0	U	01/21/2025	1807
7440-22-4	Silver	1.0	U	01/21/2025	1807
7440-23-5	Sodium	20000		01/21/2025	1807
7440-28-0	Thallium	1.0	U	01/21/2025	1807
7440-62-2	Vanadium	0.55	J	01/21/2025	1807
7440-66-6	Zinc	180		01/21/2025	1807

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

Comments:

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MC0AE6

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51953 MA No. : SDG No.: MC0AF9
 Matrix: Water Lab Sample ID: Q1087-10
 % Solids: Date Received: 01/16/2025
 Analytical Method: ICP_MS
 Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): ug/L

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	1500		01/21/2025	1742
7440-36-0	Antimony	0.22	J	01/21/2025	1742
7440-38-2	Arsenic	5.7		01/21/2025	1742
7440-39-3	Barium	55		01/21/2025	1742
7440-41-7	Beryllium	1.0	U	01/21/2025	1742
7440-43-9	Cadmium	0.32	J	01/21/2025	1742
7440-70-2	Calcium	45000		01/21/2025	1742
7440-47-3	Chromium	1.2	J	01/21/2025	1742
7440-48-4	Cobalt	0.42	J	01/21/2025	1742
7440-50-8	Copper	23		01/21/2025	1742
7439-89-6	Iron	1400		01/21/2025	1742
7439-92-1	Lead	3.0		01/21/2025	1742
7439-95-4	Magnesium	9400		01/21/2025	1742
7439-96-5	Manganese	66		01/21/2025	1742
7440-02-0	Nickel	1.1		01/21/2025	1742
7440-09-7	Potassium	1800		01/21/2025	1742
7782-49-2	Selenium	5.0	U	01/21/2025	1742
7440-22-4	Silver	1.0	U	01/21/2025	1742
7440-23-5	Sodium	25000		01/21/2025	1742
7440-28-0	Thallium	1.0	U	01/21/2025	1742
7440-62-2	Vanadium	2.1	J	01/21/2025	1742
7440-66-6	Zinc	8.4		01/21/2025	1742

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

Comments:

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MC0AF0

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51953 MA No. : SDG No.: MC0AF9
 Matrix: Water Lab Sample ID: Q1087-11
 % Solids: Date Received: 01/16/2025
 Analytical Method: ICP_MS
 Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): ug/L

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	100		01/21/2025	1745
7440-36-0	Antimony	0.19	J	01/21/2025	1745
7440-38-2	Arsenic	13		01/21/2025	1745
7440-39-3	Barium	68		01/21/2025	1745
7440-41-7	Beryllium	1.0	U	01/21/2025	1745
7440-43-9	Cadmium	1.0	U	01/21/2025	1745
7440-70-2	Calcium	50000		01/21/2025	1745
7440-47-3	Chromium	3.2		01/21/2025	1745
7440-48-4	Cobalt	0.14	J	01/21/2025	1745
7440-50-8	Copper	1.7	J	01/21/2025	1745
7439-89-6	Iron	480		01/21/2025	1745
7439-92-1	Lead	0.16	J	01/21/2025	1745
7439-95-4	Magnesium	11000		01/21/2025	1745
7439-96-5	Manganese	54		01/21/2025	1745
7440-02-0	Nickel	0.43	J	01/21/2025	1745
7440-09-7	Potassium	1800		01/21/2025	1745
7782-49-2	Selenium	5.0	U	01/21/2025	1745
7440-22-4	Silver	1.0	U	01/21/2025	1745
7440-23-5	Sodium	40000		01/21/2025	1745
7440-28-0	Thallium	1.0	U	01/21/2025	1745
7440-62-2	Vanadium	4.3	J	01/21/2025	1745
7440-66-6	Zinc	2.7	J	01/21/2025	1745

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

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MC0AF1

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51953 MA No. : SDG No.: MC0AF9
 Matrix: Water Lab Sample ID: Q1087-12
 % Solids: Date Received: 01/16/2025
 Analytical Method: ICP_MS
 Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): ug/L

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	1300		01/21/2025	1749
7440-36-0	Antimony	2.3		01/21/2025	1749
7440-38-2	Arsenic	10		01/21/2025	1749
7440-39-3	Barium	34		01/21/2025	1749
7440-41-7	Beryllium	1.0	U	01/21/2025	1749
7440-43-9	Cadmium	1.0	U	01/21/2025	1749
7440-70-2	Calcium	12000		01/21/2025	1749
7440-47-3	Chromium	12		01/21/2025	1749
7440-48-4	Cobalt	0.91	J	01/21/2025	1749
7440-50-8	Copper	7.0		01/21/2025	1749
7439-89-6	Iron	2300		01/21/2025	1749
7439-92-1	Lead	1.6		01/21/2025	1749
7439-95-4	Magnesium	7800		01/21/2025	1749
7439-96-5	Manganese	80		01/21/2025	1749
7440-02-0	Nickel	3.8		01/21/2025	1749
7440-09-7	Potassium	32000		01/21/2025	1749
7782-49-2	Selenium	5.0	U	01/21/2025	1749
7440-22-4	Silver	1.0	U	01/21/2025	1749
7440-23-5	Sodium	140000		01/21/2025	1749
7440-28-0	Thallium	1.0	U	01/21/2025	1749
7440-62-2	Vanadium	8.6		01/21/2025	1749
7440-66-6	Zinc	28		01/21/2025	1749

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

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MC0AF3

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

Lab Code: ACE Case No.: 51953 MA No. : SDG No.: MC0AF9

Matrix: Water Lab Sample ID: Q1087-20

% Solids: Date Received: 01/17/2025

Analytical Method: ICP_MS

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): ug/L

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	650		01/21/2025	1814
7440-36-0	Antimony	15		01/21/2025	1814
7440-38-2	Arsenic	6.6		01/21/2025	1814
7440-39-3	Barium	48		01/21/2025	1814
7440-41-7	Beryllium	1.0	U	01/21/2025	1814
7440-43-9	Cadmium	1.0	U	01/21/2025	1814
7440-70-2	Calcium	39000		01/21/2025	1814
7440-47-3	Chromium	12		01/21/2025	1814
7440-48-4	Cobalt	0.49	J	01/21/2025	1814
7440-50-8	Copper	4.6		01/21/2025	1814
7439-89-6	Iron	1200		01/21/2025	1814
7439-92-1	Lead	1.1		01/21/2025	1814
7439-95-4	Magnesium	4900		01/21/2025	1814
7439-96-5	Manganese	58		01/21/2025	1814
7440-02-0	Nickel	1.8		01/21/2025	1814
7440-09-7	Potassium	4000		01/21/2025	1814
7782-49-2	Selenium	5.0	U	01/21/2025	1814
7440-22-4	Silver	1.0	U	01/21/2025	1814
7440-23-5	Sodium	36000		01/21/2025	1814
7440-28-0	Thallium	1.0	U	01/21/2025	1814
7440-62-2	Vanadium	8.6		01/21/2025	1814
7440-66-6	Zinc	28		01/21/2025	1814

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

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MC0AF5

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

Lab Code: ACE Case No.: 51953 MA No. : SDG No.: MC0AF9

Matrix: Water Lab Sample ID: Q1087-13

% Solids: Date Received: 01/16/2025

Analytical Method: ICP_MS

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): ug/L

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	7000		01/21/2025	1752
7440-36-0	Antimony	0.55	J	01/21/2025	1752
7440-38-2	Arsenic	7.5		01/21/2025	1752
7440-39-3	Barium	230		01/21/2025	1752
7440-41-7	Beryllium	0.57	J	01/21/2025	1752
7440-43-9	Cadmium	1.0	U	01/21/2025	1752
7440-70-2	Calcium	200000		01/21/2025	1752
7440-47-3	Chromium	50		01/21/2025	1752
7440-48-4	Cobalt	6.3		01/21/2025	1752
7440-50-8	Copper	88		01/21/2025	1752
7439-89-6	Iron	17000		01/21/2025	1752
7439-92-1	Lead	4.3		01/21/2025	1752
7439-95-4	Magnesium	27000		01/21/2025	1752
7439-96-5	Manganese	620		01/21/2025	1752
7440-02-0	Nickel	17		01/21/2025	1752
7440-09-7	Potassium	13000		01/21/2025	1752
7782-49-2	Selenium	3.1	J	01/21/2025	1752
7440-22-4	Silver	1.0	U	01/21/2025	1752
7440-23-5	Sodium	620000	D	01/21/2025	1846
7440-28-0	Thallium	0.15	J	01/21/2025	1752
7440-62-2	Vanadium	27		01/21/2025	1752
7440-66-6	Zinc	51		01/21/2025	1752

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

Comments:

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MC0AF9

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51953 MA No. : SDG No.: MC0AF9
 Matrix: Water Lab Sample ID: Q1087-01
 % Solids: Date Received: 01/15/2025
 Analytical Method: ICP_MS
 Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): ug/L

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	96		01/21/2025	1711
7440-36-0	Antimony	2.0	U	01/21/2025	1711
7440-38-2	Arsenic	0.44	J	01/21/2025	1711
7440-39-3	Barium	24		01/21/2025	1711
7440-41-7	Beryllium	1.0	U	01/21/2025	1711
7440-43-9	Cadmium	1.0	U	01/21/2025	1711
7440-70-2	Calcium	22000		01/21/2025	1711
7440-47-3	Chromium	2.0	U	01/21/2025	1711
7440-48-4	Cobalt	0.13	J	01/21/2025	1711
7440-50-8	Copper	0.74	J	01/21/2025	1711
7439-89-6	Iron	280		01/21/2025	1711
7439-92-1	Lead	0.34	J	01/21/2025	1711
7439-95-4	Magnesium	7300		01/21/2025	1711
7439-96-5	Manganese	42		01/21/2025	1711
7440-02-0	Nickel	1.0	U	01/21/2025	1711
7440-09-7	Potassium	2100		01/21/2025	1711
7782-49-2	Selenium	5.0	U	01/21/2025	1711
7440-22-4	Silver	1.0	U	01/21/2025	1711
7440-23-5	Sodium	13000		01/21/2025	1711
7440-28-0	Thallium	1.0	U	01/21/2025	1711
7440-62-2	Vanadium	0.58	J	01/21/2025	1711
7440-66-6	Zinc	2.7	J	01/21/2025	1711

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

Comments:

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MC0AG4

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51953 MA No. : SDG No.: MC0AF9
 Matrix: Water Lab Sample ID: Q1087-08
 % Solids: Date Received: 01/16/2025
 Analytical Method: ICP_MS
 Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): ug/L

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	20	U	01/21/2025	1736
7440-36-0	Antimony	2.0	U	01/21/2025	1736
7440-38-2	Arsenic	1.0	U	01/21/2025	1736
7440-39-3	Barium	10	U	01/21/2025	1736
7440-41-7	Beryllium	1.0	U	01/21/2025	1736
7440-43-9	Cadmium	1.0	U	01/21/2025	1736
7440-70-2	Calcium	68	J	01/21/2025	1736
7440-47-3	Chromium	2.0	U	01/21/2025	1736
7440-48-4	Cobalt	1.0	U	01/21/2025	1736
7440-50-8	Copper	1.0	J	01/21/2025	1736
7439-89-6	Iron	200	U	01/21/2025	1736
7439-92-1	Lead	1.0	U	01/21/2025	1736
7439-95-4	Magnesium	500	U	01/21/2025	1736
7439-96-5	Manganese	5.3		01/21/2025	1736
7440-02-0	Nickel	1.0	U	01/21/2025	1736
7440-09-7	Potassium	500	U	01/21/2025	1736
7782-49-2	Selenium	5.0	U	01/21/2025	1736
7440-22-4	Silver	1.0	U	01/21/2025	1736
7440-23-5	Sodium	500	U	01/21/2025	1736
7440-28-0	Thallium	1.0	U	01/21/2025	1736
7440-62-2	Vanadium	5.0	U	01/21/2025	1736
7440-66-6	Zinc	2.0	J	01/21/2025	1736

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

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MC0AH0

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

Lab Code: ACE Case No.: 51953 MA No. : SDG No.: MC0AF9

Matrix: Water Lab Sample ID: Q1087-09

% Solids: Date Received: 01/16/2025

Analytical Method: ICP_MS

Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): ug/L

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	4700		01/21/2025	1739
7440-36-0	Antimony	0.28	J	01/21/2025	1739
7440-38-2	Arsenic	20		01/21/2025	1739
7440-39-3	Barium	4.0	J	01/21/2025	1739
7440-41-7	Beryllium	1.0	U	01/21/2025	1739
7440-43-9	Cadmium	1.0	U	01/21/2025	1739
7440-70-2	Calcium	6400		01/21/2025	1739
7440-47-3	Chromium	61		01/21/2025	1739
7440-48-4	Cobalt	0.17	J	01/21/2025	1739
7440-50-8	Copper	0.97	J	01/21/2025	1739
7439-89-6	Iron	330		01/21/2025	1739
7439-92-1	Lead	0.59	J	01/21/2025	1739
7439-95-4	Magnesium	210	J	01/21/2025	1739
7439-96-5	Manganese	12		01/21/2025	1739
7440-02-0	Nickel	0.75	J	01/21/2025	1739
7440-09-7	Potassium	760		01/21/2025	1739
7782-49-2	Selenium	5.0	U	01/21/2025	1739
7440-22-4	Silver	0.17	J	01/21/2025	1739
7440-23-5	Sodium	610000	D	01/21/2025	1842
7440-28-0	Thallium	1.0	U	01/21/2025	1739
7440-62-2	Vanadium	31		01/21/2025	1739
7440-66-6	Zinc	1.7	J	01/21/2025	1739

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

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MC0AH2

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: 51953 MA No. : SDG No.: MC0AF9
 Matrix: Water Lab Sample ID: Q1087-02
 % Solids: Date Received: 01/15/2025
 Analytical Method: ICP_MS
 Concentration Units ($\mu\text{g/L}$, mg/L , mg/kg dry weight, μg , or $\mu\text{g/cm}^2$): ug/L

CAS No.	Analyte	Concentration	Q	Date Analyzed	Time Analyzed
7429-90-5	Aluminum	56		01/21/2025	1714
7440-36-0	Antimony	2.0	U	01/21/2025	1714
7440-38-2	Arsenic	0.23	J	01/21/2025	1714
7440-39-3	Barium	25		01/21/2025	1714
7440-41-7	Beryllium	1.0	U	01/21/2025	1714
7440-43-9	Cadmium	1.0	U	01/21/2025	1714
7440-70-2	Calcium	18000		01/21/2025	1714
7440-47-3	Chromium	2.0	U	01/21/2025	1714
7440-48-4	Cobalt	0.070	J	01/21/2025	1714
7440-50-8	Copper	0.94	J	01/21/2025	1714
7439-89-6	Iron	190	J	01/21/2025	1714
7439-92-1	Lead	1.0	U	01/21/2025	1714
7439-95-4	Magnesium	6500		01/21/2025	1714
7439-96-5	Manganese	27		01/21/2025	1714
7440-02-0	Nickel	1.0	U	01/21/2025	1714
7440-09-7	Potassium	2000		01/21/2025	1714
7782-49-2	Selenium	5.0	U	01/21/2025	1714
7440-22-4	Silver	1.0	U	01/21/2025	1714
7440-23-5	Sodium	14000		01/21/2025	1714
7440-28-0	Thallium	1.0	U	01/21/2025	1714
7440-62-2	Vanadium	0.42	J	01/21/2025	1714
7440-66-6	Zinc	1.6	J	01/21/2025	1714

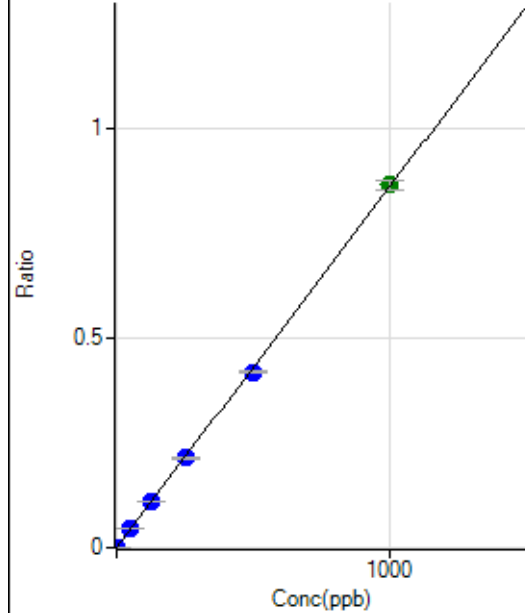
NOTE: Hardness (total) is reported in mg/L

Comments:

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7012125MS.b\
Analysis File: P7012125MS.batch.bin
DA Date-Time: 2025-01-27 12:52:44
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	005CALB.d	S00	2025-01-21 13:27:22
2	007CALS.d	S02	2025-01-21 13:33:54
3	008CALS.d	S03	2025-01-21 13:37:10
4	009CALS.d	S04	2025-01-21 13:40:11
5	010CALS.d	S05	2025-01-21 13:43:04
6	011CALS.d	S06	2025-01-21 13:45:50
7	012CALS.d	S07	2025-01-21 13:48:36
8	013CALS.d	S08	2025-01-21 13:51:19

9 Be [No Gas] ISTD:6 Li [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	48.89	0.0000	P	8.6
2	☐	1.000	1.116	1387.85	0.0010	P	6.8
3	☐	50.000	52.841	63734.50	0.0455	P	2.2
4	☐	125.000	128.643	161327.78	0.1108	P	0.3
5	☐	250.000	248.568	320747.52	0.2140	P	2.1
6	☐	500.000	487.671	638547.00	0.4198	P	1.2
7	☐	1000.000	1005.925	1299552.38	0.8660	A	2.4
8	☐			532.24	0.0004	P	17.4

$$y = 8.6083E-004 * x + 3.5853E-005$$

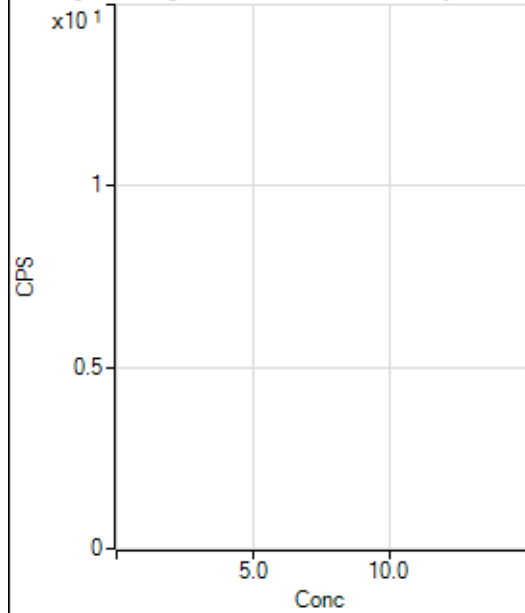
$$R = 0.9999$$

$$DL = 0.01071$$

Weight: <None>

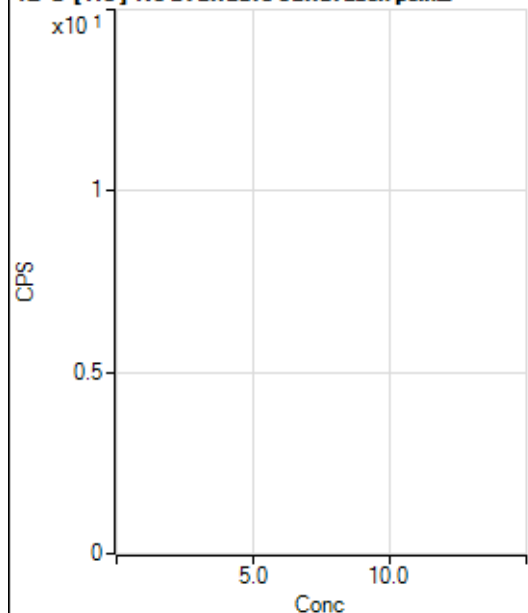
Min Conc: 0

12 C [No Gas] No available calibration points



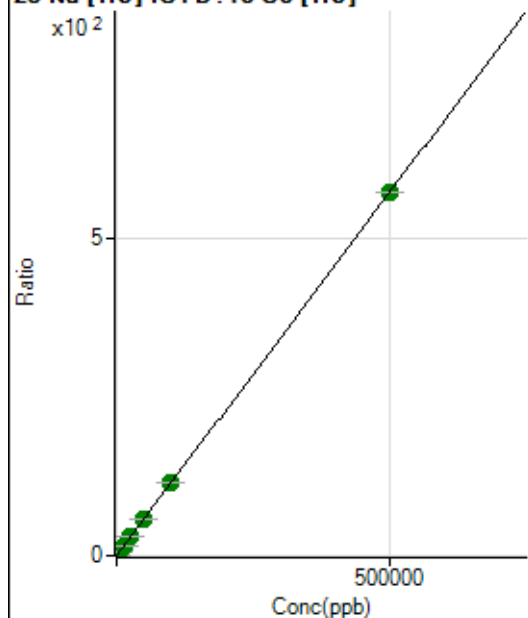
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

12 C [He] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

23 Na [He] ISTD:45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	21720.99	0.0345	P	0.6
2	☐	500.000	508.073	390602.70	0.6171	P	0.9
3	☐	5000.000	4857.512	3503598.35	5.6047	A	0.7
4	☐	12500.000	12495.909	8680862.23	14.3638	A	0.5
5	☐	25000.000	25243.215	16242893.51	28.9813	A	0.3
6	☐	50000.000	50513.692	32590862.29	57.9594	A	1.2
7	☐	100000.00	101521.69	66306156.23	116.4511	A	0.7
8	☐	500000.00	499633.65	332239637.2	572.9725	A	0.1

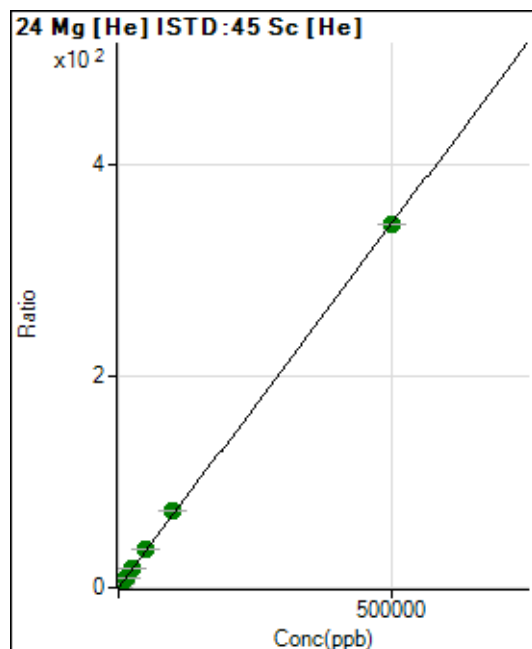
$$y = 0.0011 * x + 0.0345$$

$$R = 1.0000$$

$$DL = 0.5513$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	898.92	0.0014	P	4.1
2	☐	500.000	545.810	238500.23	0.3768	P	0.3
3	☐	5000.000	5261.124	2262730.77	3.6197	A	0.5
4	☐	12500.000	13189.086	5482780.26	9.0720	A	0.5
5	☐	25000.000	26640.254	10269325.89	18.3229	A	0.3
6	☐	50000.000	52840.540	20435120.25	36.3417	A	1.2
7	☐	100000.00	105892.94	41467458.27	72.8277	A	0.6
8	☐	500000.00	498435.46	198768788.1	342.7929	A	0.1

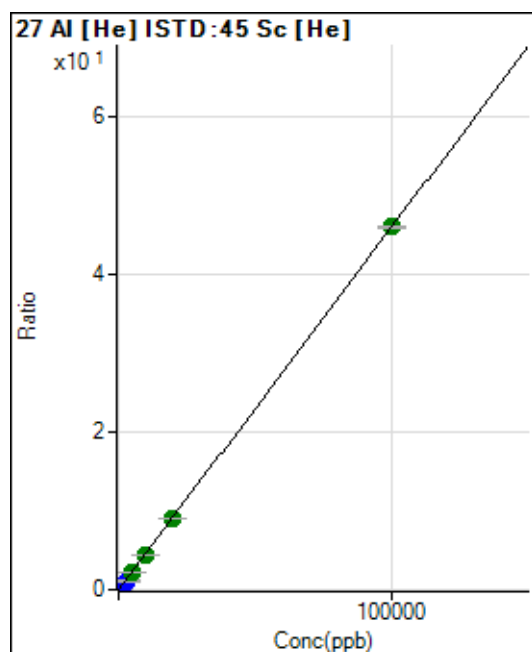
$$y = 6.8773E-004 * x + 0.0014$$

$$R = 0.9999$$

$$DL = 0.2578$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	206.67	0.0003	P	19.9
2	☐	20.000	20.265	6100.14	0.0096	P	4.0
3	☐	1000.000	948.015	272471.08	0.4359	P	0.4
4	☐	2500.000	2385.096	662445.00	1.0961	P	0.3
5	☐	5000.000	4879.988	1256677.69	2.2423	A	1.8
6	☐	10000.000	9701.444	2506420.10	4.4574	A	1.4
7	☐	20000.000	19649.105	5140186.63	9.0276	A	1.0
8	☐	100000.00	100109.42	26669314.32	45.9928	A	0.9

$$y = 4.5942E-004 * x + 3.2834E-004$$

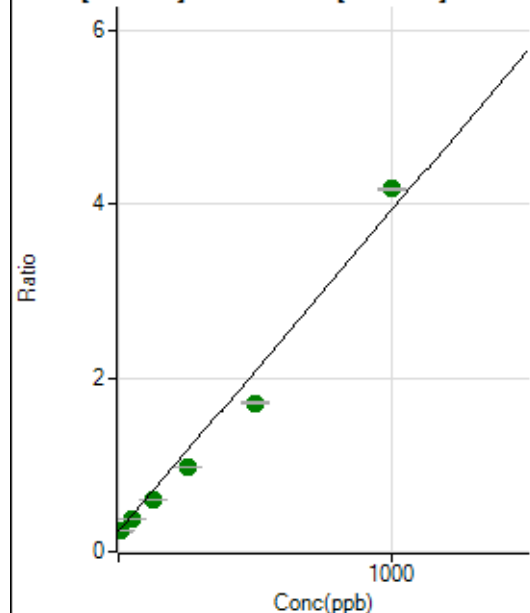
$$R = 1.0000$$

$$DL = 0.4273$$

Weight: <None>

Min Conc: 0

28 Si [No Gas] ISTD : 45 Sc [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1404505.19	0.2328	A	2.5
2	☐	10.000	0.934	1427183.16	0.2362	A	1.3
3	☐	50.000	40.212	2298290.12	0.3815	A	1.7
4	☐	125.000	99.436	3562123.70	0.6005	A	0.2
5	☐	250.000	199.864	5340456.93	0.9720	A	0.4
6	☐	500.000	398.616	9079434.17	1.7070	A	1.4
7	☐	1000.000	1067.002	22261649.95	4.1790	A	0.4
8	☐			777261.46	0.1457	P	1.1

$$y = 0.0037 * x + 0.2328$$

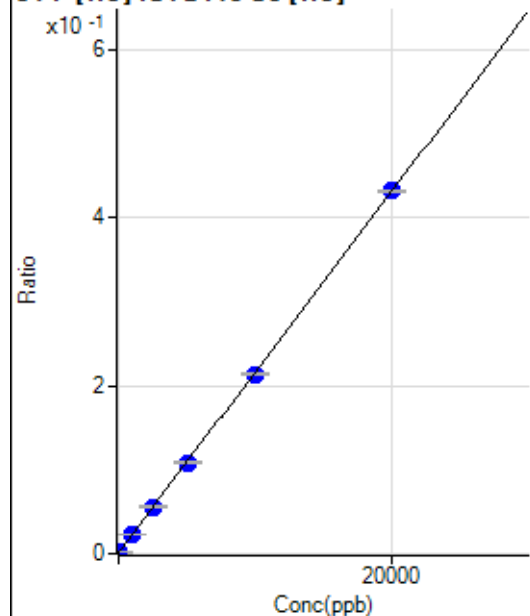
$$R = 0.9920$$

$$DL = 4.676$$

Weight: <None>

Min Conc: 0

31 P [He] ISTD : 45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-15.990	455.57	0.0007	P	3.6
2	☐	0.000	15.990	893.37	0.0014	P	6.8
3	☐	1000.000	1006.751	14207.80	0.0227	P	0.8
4	☐	2500.000	2557.899	33905.32	0.0561	P	2.1
5	☐	5000.000	4993.127	60807.89	0.1085	P	1.5
6	☐	10000.000	9904.790	120436.93	0.2142	P	0.4
7	☐	20000.000	20041.748	246143.33	0.4323	P	0.3
8	☐			590.02	0.0010	P	8.8

$$y = 2.1516E-005 * x + 0.0011$$

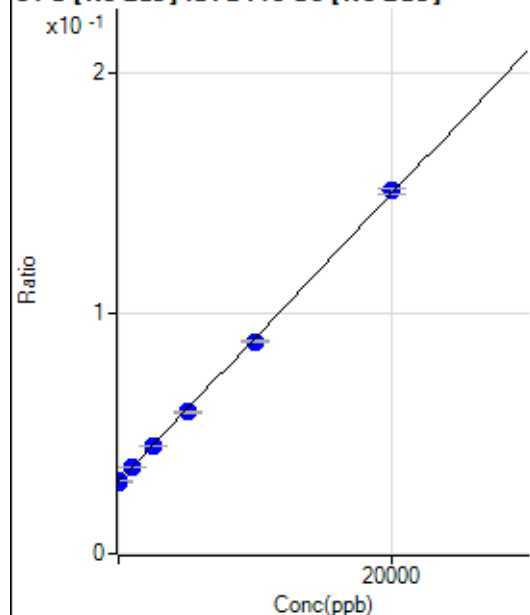
$$R = 1.0000$$

$$DL = 8.576$$

Weight: <None>

Min Conc: 0

34 S [No Gas] ISTD: 45 Sc [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	-46.357	179595.10	0.0298	P	2.2
2	☐	0.000	46.357	183160.48	0.0303	P	1.5
3	☐	1000.000	996.119	216939.62	0.0360	P	1.7
4	☐	2500.000	2449.386	265195.90	0.0447	P	1.0
5	☐	5000.000	4813.188	323478.37	0.0589	P	0.4
6	☐	10000.000	9722.548	469541.24	0.0883	P	0.9
7	☐	20000.000	20191.950	804240.34	0.1510	P	1.3
8	☐			142905.63	0.0268	P	3.2

$$y = 5.9894E-006 * x + 0.0300$$

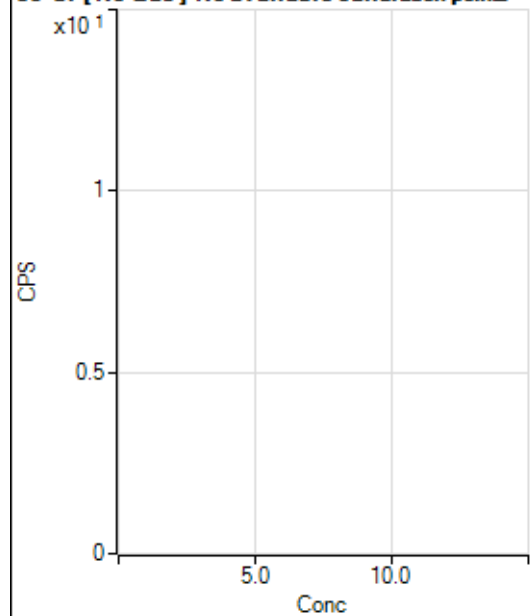
R = 0.9998

DL = 274.3

Weight: <None>

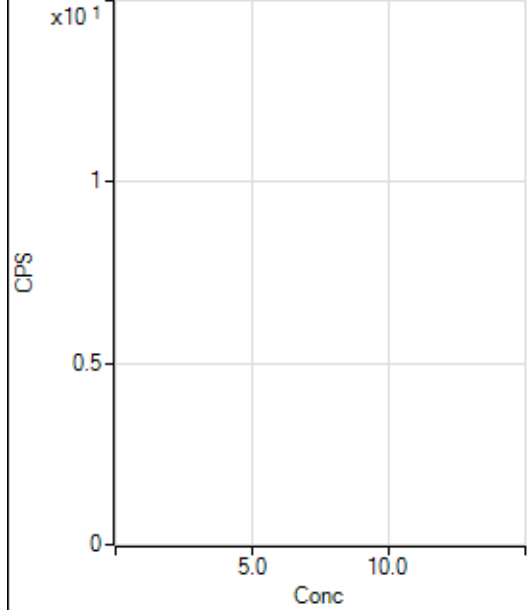
Min Conc: 0

35 Cl [No Gas] No available calibration points



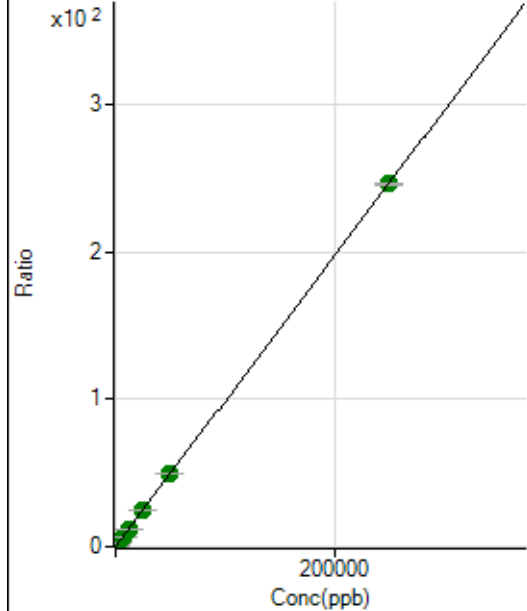
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

35 Cl [He] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

39 K [He] ISTD:45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	69904.90	0.1110	P	0.3
2	☐	500.000	552.300	414116.09	0.6542	P	0.0
3	☐	2500.000	2503.562	1608768.46	2.5735	A	1.7
4	☐	6250.000	6191.412	3747469.04	6.2009	A	0.8
5	☐	12500.000	12312.825	6849835.31	12.2219	A	0.4
6	☐	25000.000	24712.783	13731217.57	24.4185	A	0.3
7	☐	50000.000	49746.620	27924414.03	49.0417	A	0.5
8	☐	250000.00	250090.08	142701696.7	246.0992	A	0.3

$$y = 9.8360E-004 * x + 0.1110$$

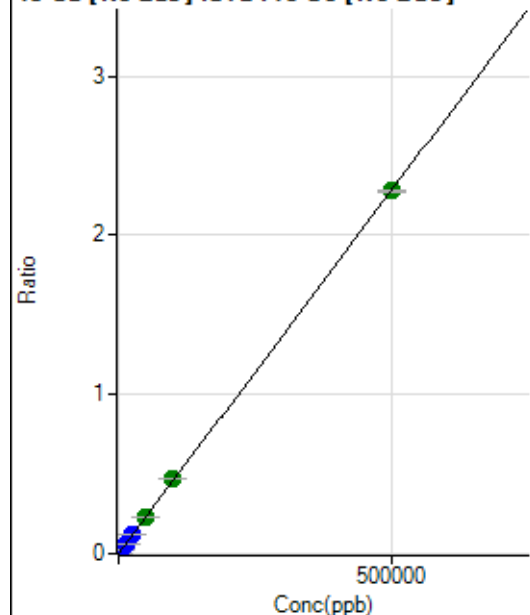
$$R = 1.0000$$

$$DL = 0.8576$$

Weight: <None>

Min Conc: 0

43 Ca [No Gas] ISTD:45 Sc [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	536.68	0.0001	P	6.1
2	☐	500.000	561.788	16030.77	0.0027	P	1.5
3	☐	5000.000	5110.297	141069.63	0.0234	P	1.9
4	☐	12500.000	12930.400	350603.51	0.0591	P	1.4
5	☐	25000.000	25904.604	650242.52	0.1183	P	0.6
6	☐	50000.000	50345.549	1222857.94	0.2299	A	2.2
7	☐	100000.00	102772.60	2499754.41	0.4693	A	0.1
8	☐	500000.00	499353.76	12160999.96	2.2797	A	0.7

$$y = 4.5651E-006 * x + 8.8895E-005$$

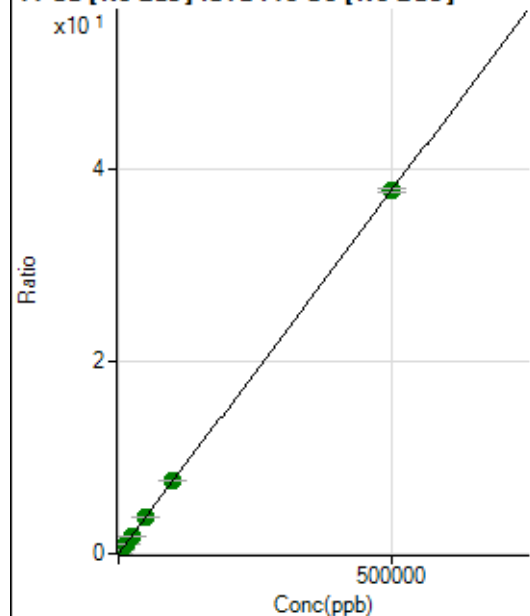
$$R = 1.0000$$

$$DL = 3.579$$

Weight: <None>

Min Conc: 0

44 Ca [No Gas] ISTD:45 Sc [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	12670.98	0.0021	P	1.4
2	☐	500.000	554.769	265212.15	0.0439	P	1.0
3	☐	5000.000	4926.780	2249023.42	0.3734	A	2.3
4	☐	12500.000	12391.218	5550081.31	0.9358	A	1.3
5	☐	25000.000	24786.458	10273270.54	1.8699	A	0.8
6	☐	50000.000	49638.346	19906541.23	3.7425	A	1.0
7	☐	100000.00	101569.49	40781660.50	7.6558	A	0.7
8	☐	500000.00	499736.34	200889305.9	37.6593	A	1.0

$$y = 7.5354E-005 * x + 0.0021$$

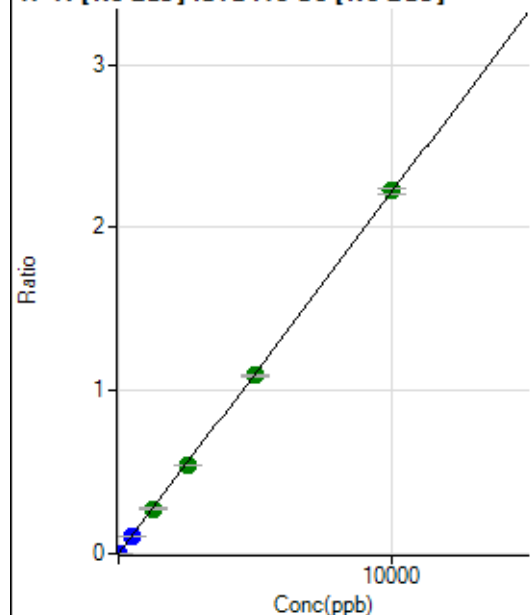
$$R = 1.0000$$

$$DL = 1.156$$

Weight: <None>

Min Conc: 0

47 Ti [No Gas] ISTD :45 Sc [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	88.89	0.0000	P	12.4
2	☐	5.000	5.367	7271.81	0.0012	P	1.0
3	☐	500.000	488.633	652183.83	0.1083	P	2.0
4	☐	1250.000	1244.722	1635421.94	0.2758	A	3.0
5	☐	2500.000	2446.005	2977943.53	0.5419	A	0.8
6	☐	5000.000	4942.738	5824403.39	1.0950	A	0.8
7	☐	10000.000	10043.357	11851938.02	2.2250	A	1.2
8	☐			3419.32	0.0006	P	16.8

$$y = 2.2154E-004 * x + 1.4742E-005$$

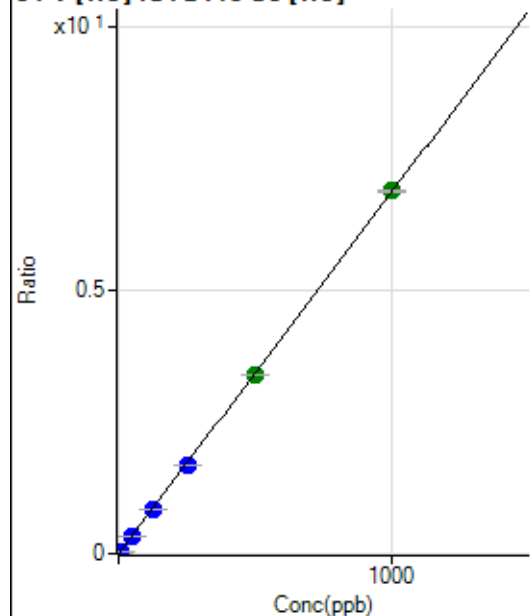
$$R = 1.0000$$

$$DL = 0.02468$$

Weight: <None>

Min Conc: 0

51 V [He] ISTD :45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	16.67	0.0000	P	19.9
2	☐	5.000	5.188	22523.55	0.0356	P	0.7
3	☐	50.000	49.559	212374.41	0.3397	P	0.8
4	☐	125.000	123.985	513627.10	0.8499	P	0.5
5	☐	250.000	244.808	940479.98	1.6781	P	0.5
6	☐	500.000	495.456	1909714.59	3.3961	A	0.4
7	☐	1000.000	1003.718	3917407.51	6.8800	A	0.7
8	☐			977.82	0.0017	P	3.2

$$y = 0.0069 * x + 2.6461E-005$$

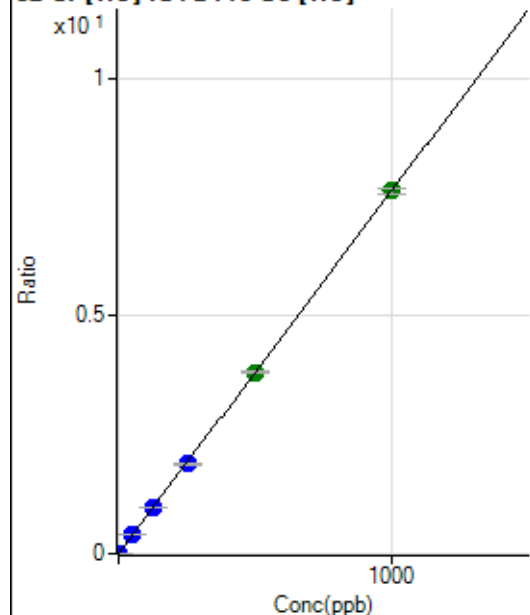
$$R = 1.0000$$

$$DL = 0.002307$$

Weight: <None>

Min Conc: 0

52 Cr [He] ISTD:45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1890.14	0.0030	P	4.7
2	☐	2.000	1.895	11053.03	0.0175	P	0.4
3	☐	50.000	50.394	242268.57	0.3876	P	0.6
4	☐	125.000	125.050	578525.73	0.9573	P	0.7
5	☐	250.000	246.987	1057995.03	1.8878	P	0.7
6	☐	500.000	500.707	2150215.09	3.8239	A	1.7
7	☐	1000.000	1000.374	4348300.35	7.6368	A	1.3
8	☐			11668.67	0.0201	P	10.2

$$y = 0.0076 * x + 0.0030$$

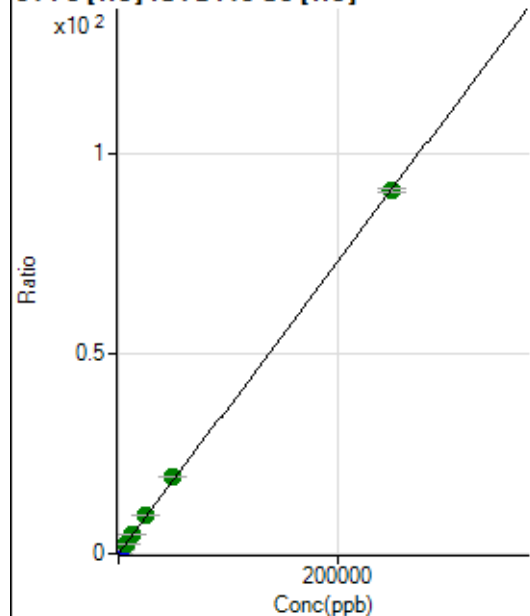
$$R = 1.0000$$

$$DL = 0.056$$

Weight: <None>

Min Conc: 0

54 Fe [He] ISTD:45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	3169.25	0.0050	P	1.2
2	☐	50.000	57.447	16442.41	0.0260	P	0.1
3	☐	2500.000	2709.573	620668.04	0.9929	P	0.8
4	☐	6250.000	6586.816	1454411.16	2.4065	A	0.2
5	☐	12500.000	13125.219	2684876.37	4.7902	A	1.4
6	☐	25000.000	26227.252	5379844.09	9.5670	A	0.4
7	☐	50000.000	53041.179	11013866.92	19.3429	A	0.4
8	☐	250000.00	249227.26	52690795.88	90.8687	A	1.1

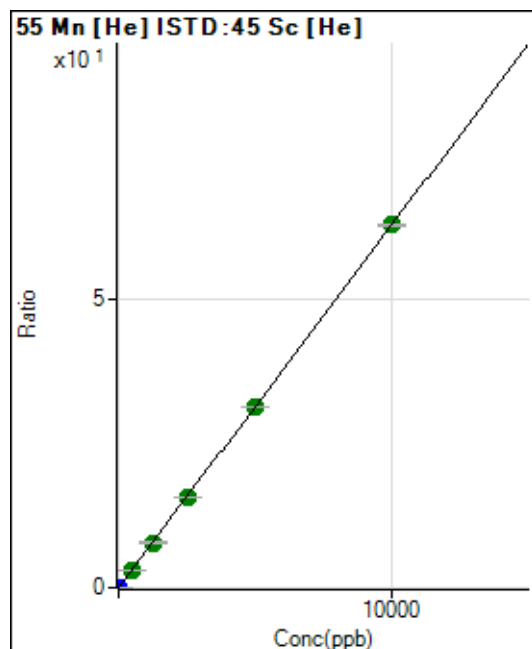
$$y = 3.6458E-004 * x + 0.0050$$

$$R = 0.9999$$

$$DL = 0.4937$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	351.12	0.0006	P	14.6
2	☐	1.000	1.025	4426.25	0.0070	P	2.3
3	☐	500.000	494.925	1942834.38	3.1079	A	0.7
4	☐	1250.000	1246.658	4730756.53	7.8277	A	0.3
5	☐	2500.000	2483.733	8740181.68	15.5946	A	0.7
6	☐	5000.000	4983.487	17595372.79	31.2893	A	0.7
7	☐	10000.000	10012.995	35796742.25	62.8670	A	0.3
8	☐			18450.40	0.0318	P	2.0

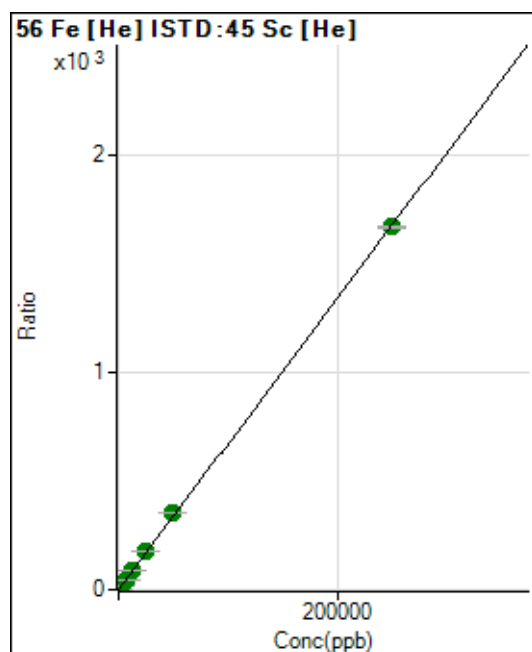
$$y = 0.0063 * x + 5.5757E-004$$

$$R = 1.0000$$

$$DL = 0.03881$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	24968.56	0.0396	P	0.8
2	☐	50.000	57.256	267999.86	0.4234	P	0.4
3	☐	2500.000	2594.485	10895042.06	17.4289	A	0.8
4	☐	6250.000	6512.184	26402239.89	43.6870	A	0.6
5	☐	12500.000	12978.287	48774195.39	87.0254	A	0.4
6	☐	25000.000	25976.156	97928016.32	174.1425	A	0.8
7	☐	50000.000	52474.677	200282352.5	351.7464	A	0.4
8	☐	250000.00	249376.03	969201816.6	1,671.459	A	0.3

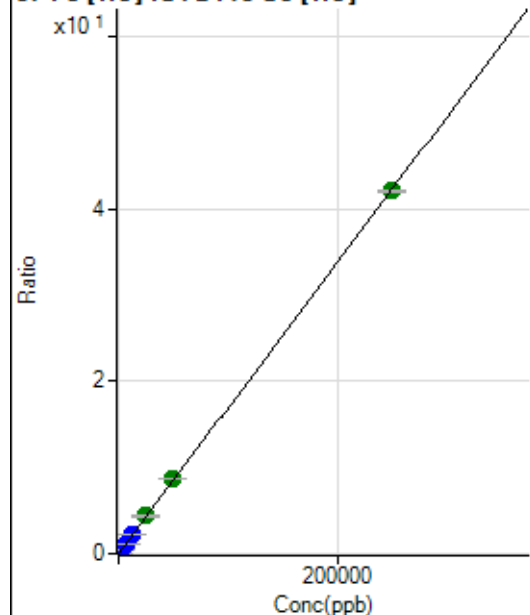
$$y = 0.0067 * x + 0.0396$$

$$R = 0.9999$$

$$DL = 0.1484$$

Weight: <None>

Min Conc: 0

57 Fe [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1817.91	0.0029	P	4.0
2	☐	50.000	60.725	8307.91	0.0131	P	4.0
3	☐	2500.000	2653.151	281449.53	0.4502	P	1.1
4	☐	6250.000	6609.765	675290.00	1.1174	P	0.7
5	☐	12500.000	13192.807	1248313.37	2.2273	P	0.6
6	☐	25000.000	25773.972	2445394.71	4.3486	A	0.5
7	☐	50000.000	51966.065	4990710.90	8.7648	A	0.1
8	☐	250000.00	249484.22	24393612.97	42.0682	A	0.8

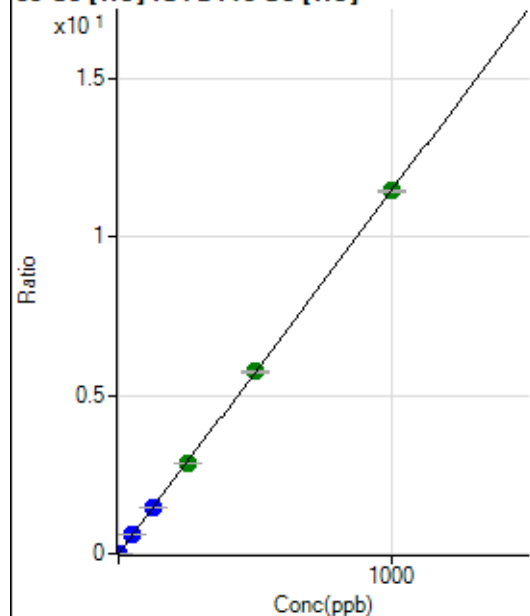
$$y = 1.6861E-004 * x + 0.0029$$

$$R = 1.0000$$

$$DL = 2.06$$

Weight: <None>

Min Conc: 0

59 Co [He] ISTD:45 Sc [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	148.89	0.0002	P	25.9
2	☐	1.000	1.091	8061.12	0.0127	P	0.5
3	☐	50.000	50.604	362594.84	0.5800	P	0.2
4	☐	125.000	125.893	871920.35	1.4427	P	0.6
5	☐	250.000	249.079	1599561.09	2.8541	A	0.9
6	☐	500.000	501.165	3228990.72	5.7424	A	1.2
7	☐	1000.000	999.506	6520810.60	11.4522	A	0.6
8	☐			18325.69	0.0316	P	2.5

$$y = 0.0115 * x + 2.3648E-004$$

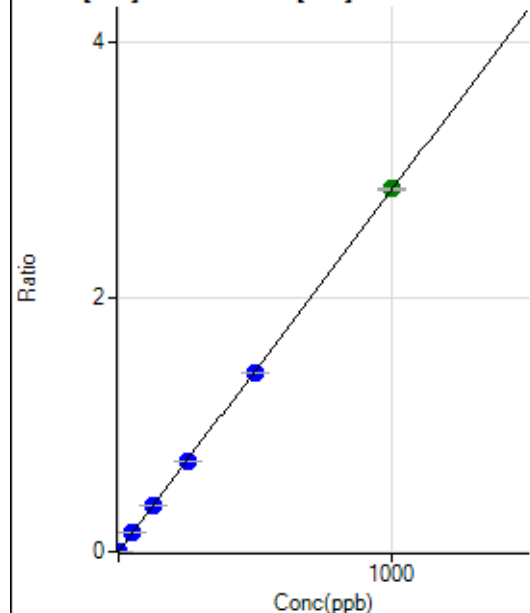
$$R = 1.0000$$

$$DL = 0.01606$$

Weight: <None>

Min Conc: 0

60 Ni [He] ISTD:45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	610.02	0.0010	P	9.9
2	☐	1.000	0.905	2240.19	0.0035	P	1.9
3	☐	50.000	51.886	92709.65	0.1483	P	0.9
4	☐	125.000	127.153	218814.46	0.3620	P	0.8
5	☐	250.000	249.165	397097.95	0.7085	P	0.6
6	☐	500.000	492.783	787441.75	1.4003	P	0.4
7	☐	1000.000	1003.454	1623052.37	2.8505	A	0.8
8	☐			8347.94	0.0144	P	2.7

$$y = 0.0028 * x + 9.6852E-004$$

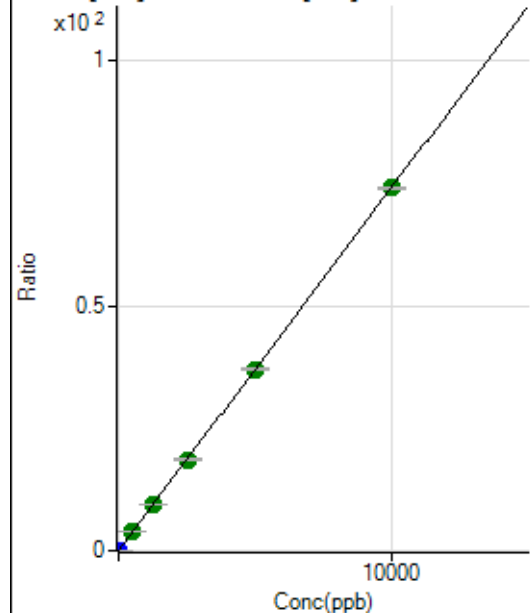
$$R = 1.0000$$

$$DL = 0.1013$$

Weight: <None>

Min Conc: 0

63 Cu [He] ISTD:45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2579.13	0.0041	P	0.7
2	☐	2.000	2.115	12513.09	0.0198	P	0.8
3	☐	500.000	514.641	2386936.94	3.8185	A	1.2
4	☐	1250.000	1284.603	5756494.50	9.5252	A	1.0
5	☐	2500.000	2514.236	10446408.11	18.6388	A	0.8
6	☐	5000.000	4997.909	20832238.72	37.0470	A	0.6
7	☐	10000.000	9992.429	42172039.09	74.0648	A	0.5
8	☐			12213.96	0.0211	P	1.2

$$y = 0.0074 * x + 0.0041$$

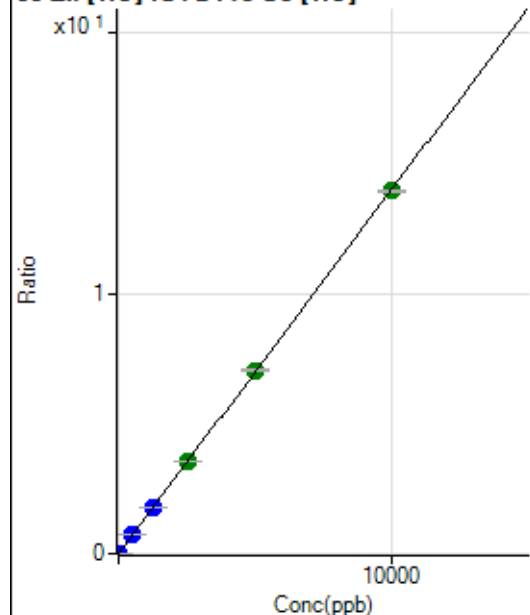
$$R = 1.0000$$

$$DL = 0.01187$$

Weight: <None>

Min Conc: 0

66 Zn [He] ISTD:45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	462.23	0.0007	P	4.5
2	☐	2.000	5.606	5423.26	0.0086	P	1.3
3	☐	500.000	503.893	440653.08	0.7049	P	0.3
4	☐	1250.000	1257.692	1062660.31	1.7583	P	0.5
5	☐	2500.000	2534.970	1985889.68	3.5433	A	1.1
6	☐	5000.000	5041.911	3962511.23	7.0467	A	0.4
7	☐	10000.000	9969.145	7933154.32	13.9324	A	0.3
8	☐			11613.48	0.0200	P	2.8

$$y = 0.0014 * x + 7.3403E-004$$

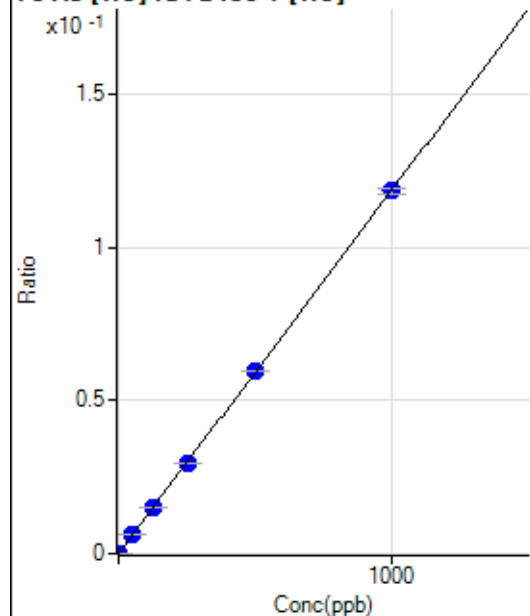
$$R = 1.0000$$

$$DL = 0.07083$$

Weight: <None>

Min Conc: 0

75 As [He] ISTD:89 Y [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	16.67	0.0000	P	53.1
2	☐	1.000	1.100	728.92	0.0001	P	9.4
3	☐	50.000	50.757	32269.52	0.0060	P	1.0
4	☐	125.000	127.123	77963.18	0.0151	P	0.4
5	☐	250.000	248.676	143371.12	0.0294	P	1.4
6	☐	500.000	501.652	290288.47	0.0594	P	0.4
7	☐	1000.000	999.201	585553.10	0.1183	P	1.5
8	☐			404.45	0.0001	P	9.6

$$y = 1.1838E-004 * x + 3.0854E-006$$

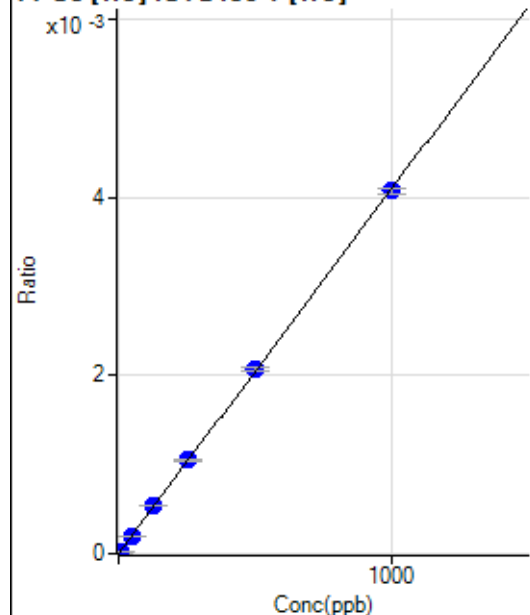
$$R = 1.0000$$

$$DL = 0.04156$$

Weight: <None>

Min Conc: 0

77 Se [He] ISTD: 89 Y [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4.44	0.0000	P	114.
2	☐	5.000	4.226	98.89	0.0000	P	30.5
3	☐	50.000	47.445	1046.72	0.0002	P	1.2
4	☐	125.000	132.064	2803.63	0.0005	P	1.7
5	☐	250.000	256.322	5112.04	0.0010	P	3.2
6	☐	500.000	505.483	10115.75	0.0021	P	2.0
7	☐	1000.000	994.926	20160.50	0.0041	P	1.7
8	☐			10.00	0.0000	P	57.9

$$y = 4.0927E-006 * x + 8.2205E-007$$

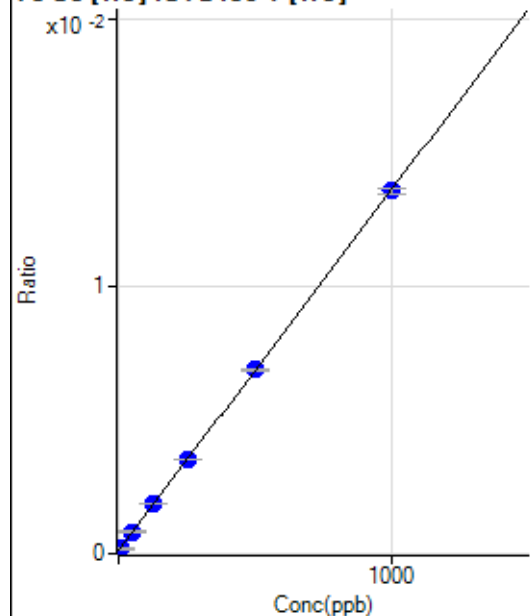
$$R = 0.9999$$

$$DL = 0.6916$$

Weight: <None>

Min Conc: 0

78 Se [He] ISTD: 89 Y [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	631.13	0.0001	P	8.0
2	☐	5.000	4.881	997.82	0.0002	P	3.2
3	☐	50.000	51.712	4377.36	0.0008	P	3.1
4	☐	125.000	130.425	9731.07	0.0019	P	0.5
5	☐	250.000	253.792	17265.69	0.0035	P	0.0
6	☐	500.000	502.594	33757.33	0.0069	P	1.0
7	☐	1000.000	996.992	67250.51	0.0136	P	1.3
8	☐			506.68	0.0001	P	7.5

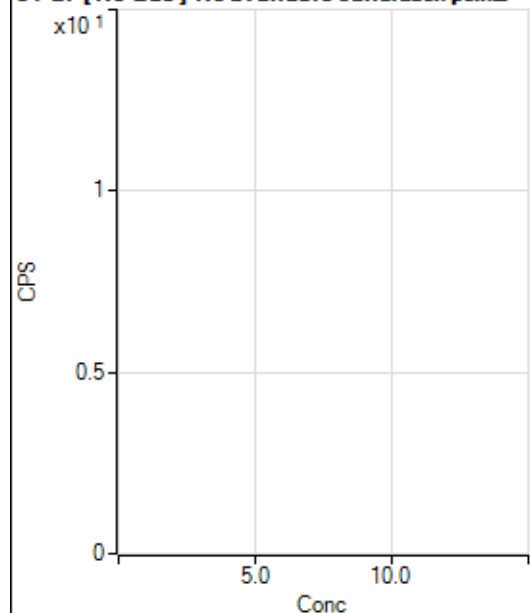
$$y = 1.3509E-005 * x + 1.1679E-004$$

$$R = 1.0000$$

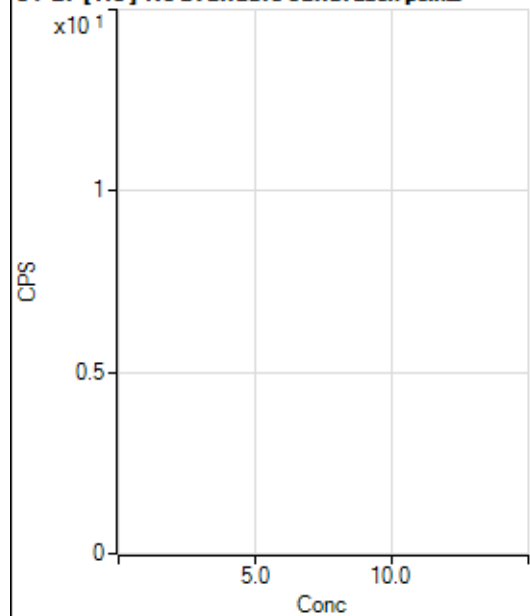
$$DL = 2.074$$

Weight: <None>

Min Conc: 0

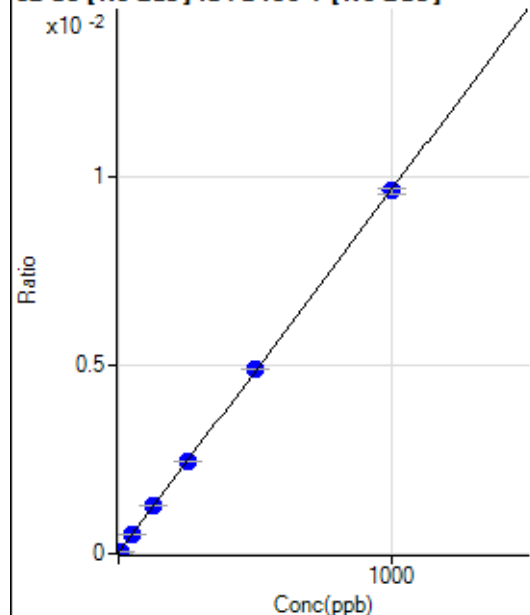
81 Br [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			15018.84		P	0.3
2	☐			14915.42		P	1.6
3	☐			14538.39		P	1.3
4	☐			13482.93		P	0.6
5	☐			11792.58		P	3.8
6	☐			11153.22		P	2.6
7	☐			11928.23		P	1.9
8	☐			13279.39		P	1.3

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			151.11		P	20.5
2	☐			103.33		P	11.6
3	☐			120.00		P	22.0
4	☐			125.56		P	14.6
5	☐			98.89		P	8.5
6	☐			88.89		P	7.8
7	☐			107.78		P	10.9
8	☐			118.89		P	26.6

82 Se [No Gas] ISTD:89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	415.08	0.0000	P	6.0
2	☐	5.000	5.165	1242.79	0.0001	P	2.1
3	☐	50.000	50.515	8558.49	0.0005	P	2.4
4	☐	125.000	128.273	20690.88	0.0013	P	1.0
5	☐	250.000	251.984	38151.91	0.0025	P	1.1
6	☐	500.000	504.341	74602.96	0.0049	P	0.1
7	☐	1000.000	996.898	148804.87	0.0096	P	1.8
8	☐			595.66	0.0000	P	3.7

$$y = 9.6487E-006 * x + 2.4983E-005$$

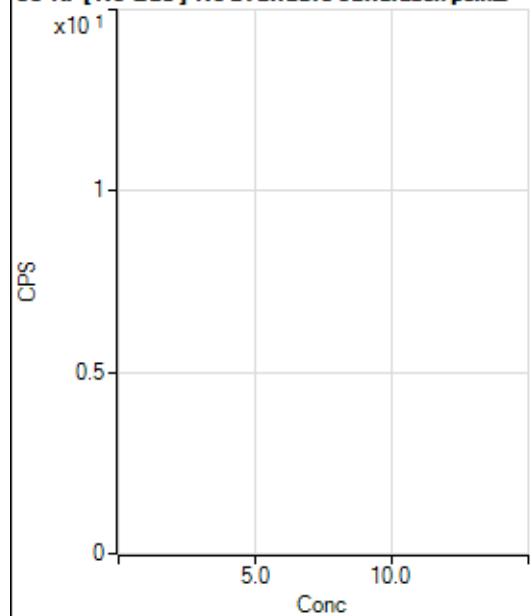
$$R = 1.0000$$

$$DL = 0.4673$$

Weight: <None>

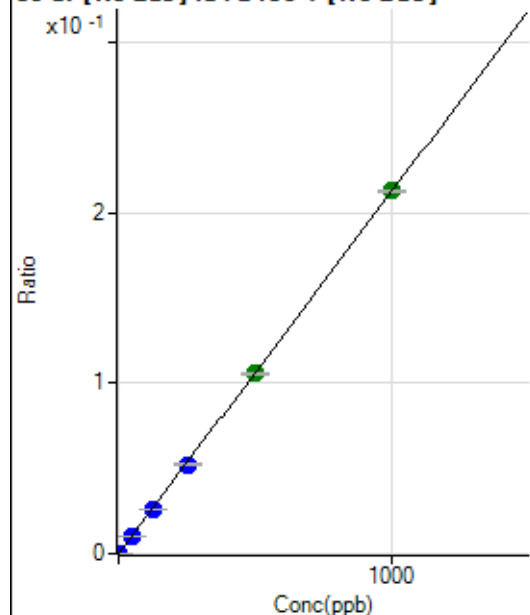
Min Conc: 0

83 Kr [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			213.33		P	23.1
2	☐			173.33		P	13.3
3	☐			206.67		P	10.6
4	☐			171.11		P	10.7
5	☐			167.78		P	7.5
6	☐			182.23		P	8.2
7	☐			161.12		P	21.9
8	☐			175.56		P	2.9

86 Sr [No Gas] ISTD : 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	370.01	0.0000	P	4.8
2	☐	1.000	0.987	3849.43	0.0002	P	4.8
3	☐	50.000	48.765	173226.86	0.0104	P	2.9
4	☐	125.000	122.534	426465.93	0.0260	P	2.3
5	☐	250.000	246.048	811439.36	0.0522	P	0.7
6	☐	500.000	498.347	1613494.71	0.1058	A	1.0
7	☐	1000.000	1002.185	3282476.10	0.2127	A	0.8
8	☐			9594.32	0.0006	P	2.9

$$y = 2.1223\text{E-}004 * x + 2.2284\text{E-}005$$

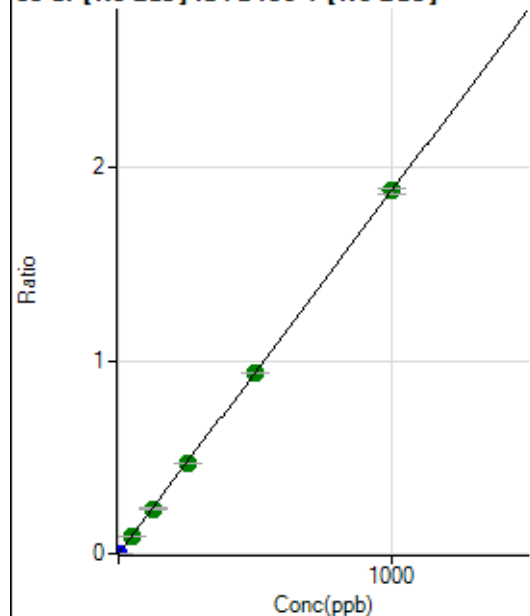
$$R = 1.0000$$

$$DL = 0.01509$$

Weight: <None>

Min Conc: 0

88 Sr [No Gas] ISTD : 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	237.78	0.0000	P	10.1
2	☐	1.000	0.999	31382.35	0.0019	P	1.0
3	☐	50.000	48.667	1526168.97	0.0914	A	2.2
4	☐	125.000	124.271	3822921.78	0.2333	A	0.9
5	☐	250.000	249.204	7266448.99	0.4678	A	0.5
6	☐	500.000	499.850	14311434.37	0.9383	A	0.5
7	☐	1000.000	1000.432	28977855.40	1.8780	A	1.5
8	☐			82041.40	0.0055	P	2.4

$$y = 0.0019 * x + 1.4324\text{E-}005$$

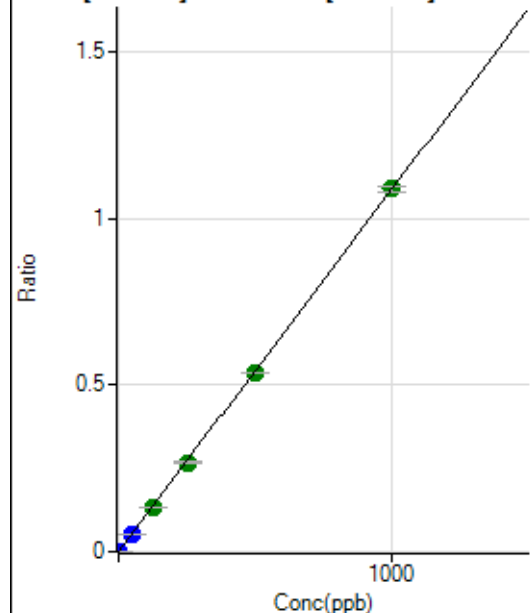
$$R = 1.0000$$

$$DL = 0.002308$$

Weight: <None>

Min Conc: 0

90 Zr [No Gas] ISTD : 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	588.91	0.0000	P	5.1
2	☐	1.000	1.025	19106.99	0.0012	P	0.8
3	☐	50.000	48.197	876016.54	0.0524	P	2.4
4	☐	125.000	123.109	2194195.04	0.1339	A	1.7
5	☐	250.000	246.435	4163047.79	0.2680	A	0.6
6	☐	500.000	496.819	8240908.63	0.5403	A	0.0
7	☐	1000.000	1002.808	16828206.41	1.0905	A	1.4
8	☐			12428.70	0.0008	P	8.4

$$y = 0.0011 * x + 3.5451E-005$$

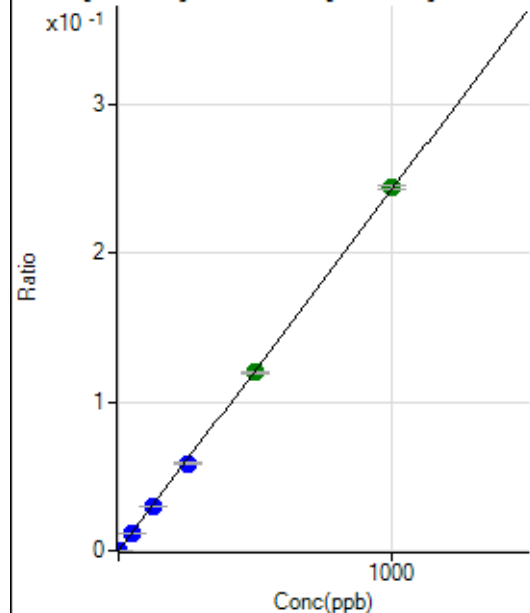
$$R = 1.0000$$

$$DL = 0.004998$$

Weight: <None>

Min Conc: 0

91 Zr [No Gas] ISTD : 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	110.00	0.0000	P	24.5
2	☐	1.000	1.009	4180.63	0.0003	P	2.2
3	☐	50.000	48.103	195196.64	0.0117	P	2.1
4	☐	125.000	122.011	485509.77	0.0296	P	2.0
5	☐	250.000	242.032	912911.89	0.0588	P	0.7
6	☐	500.000	493.933	1829251.85	0.1199	A	1.6
7	☐	1000.000	1005.494	3767433.45	0.2441	A	1.1
8	☐			2846.97	0.0002	P	8.2

$$y = 2.4280E-004 * x + 6.6307E-006$$

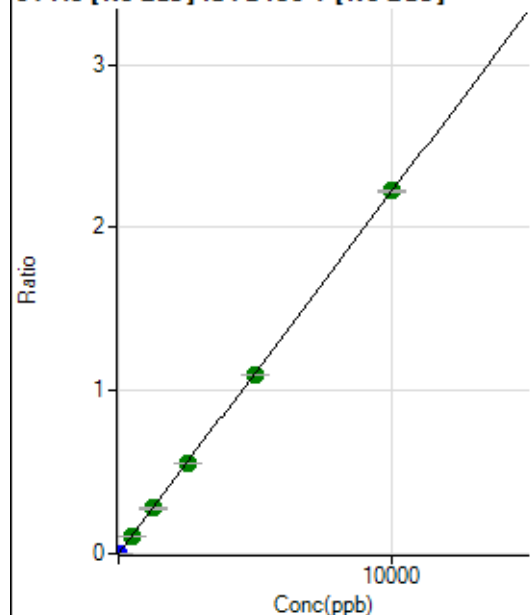
$$R = 0.9999$$

$$DL = 0.02003$$

Weight: <None>

Min Conc: 0

94 Mo [No Gas] ISTD: 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	308.89	0.0000	P	28.3
2	☐	5.000	5.994	22403.91	0.0013	P	2.0
3	☐	500.000	497.260	1843283.97	0.1104	A	2.7
4	☐	1250.000	1252.601	4554901.98	0.2780	A	1.5
5	☐	2500.000	2485.563	8567270.42	0.5516	A	0.6
6	☐	5000.000	4953.690	16766206.28	1.0992	A	0.3
7	☐	10000.000	10026.576	34333561.99	2.2249	A	0.8
8	☐			13493.15	0.0009	P	13.8

$$y = 2.2190E-004 * x + 1.8565E-005$$

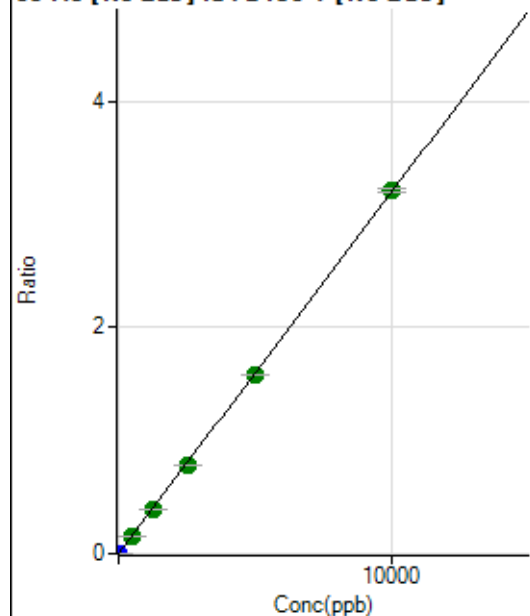
$$R = 1.0000$$

$$DL = 0.071$$

Weight: <None>

Min Conc: 0

95 Mo [No Gas] ISTD: 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	203.34	0.0000	P	6.9
2	☐	5.000	5.164	27620.57	0.0017	P	1.3
3	☐	500.000	491.874	2626415.48	0.1572	A	1.7
4	☐	1250.000	1235.963	6473776.85	0.3951	A	1.2
5	☐	2500.000	2455.408	12191034.82	0.7848	A	0.1
6	☐	5000.000	4955.921	24160957.42	1.5841	A	0.5
7	☐	10000.000	10035.348	49495710.93	3.2076	A	1.2
8	☐			18632.25	0.0012	P	35.7

$$y = 3.1963E-004 * x + 1.2249E-005$$

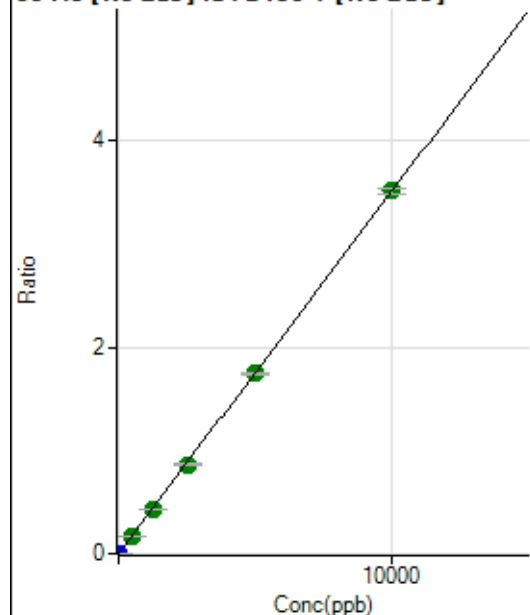
$$R = 1.0000$$

$$DL = 0.007941$$

Weight: <None>

Min Conc: 0

96 Mo [No Gas] ISTD: 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	266.67	0.0000	P	8.6
2	☐	5.000	5.209	30614.27	0.0018	P	1.1
3	☐	500.000	489.488	2868002.42	0.1717	A	1.9
4	☐	1250.000	1230.352	7071411.01	0.4315	A	1.4
5	☐	2500.000	2469.903	13456220.35	0.8663	A	0.3
6	☐	5000.000	4976.902	26624579.33	1.7456	A	0.7
7	☐	10000.000	10022.055	54239946.97	3.5151	A	1.4
8	☐			32434.65	0.0022	P	36.7

$$y = 3.5074E-004 * x + 1.6055E-005$$

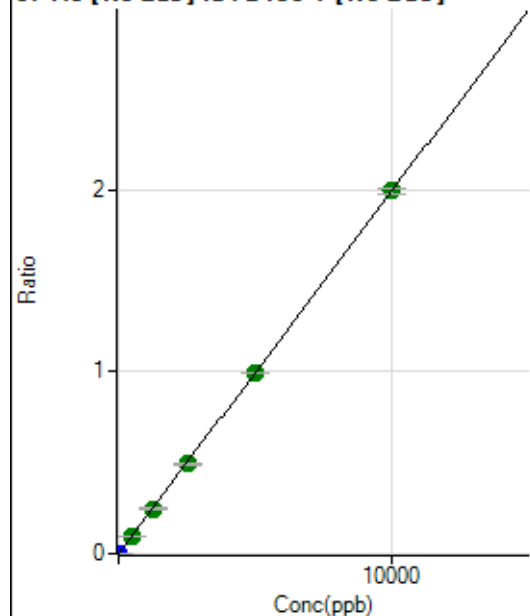
$$R = 1.0000$$

$$DL = 0.01177$$

Weight: <None>

Min Conc: 0

97 Mo [No Gas] ISTD: 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	136.67	0.0000	P	3.4
2	☐	5.000	5.226	17413.79	0.0010	P	3.4
3	☐	500.000	489.496	1627774.30	0.0974	A	1.8
4	☐	1250.000	1237.709	4037160.46	0.2464	A	1.9
5	☐	2500.000	2485.587	7685011.76	0.4948	A	1.7
6	☐	5000.000	4978.909	15116502.14	0.9911	A	0.4
7	☐	10000.000	10016.210	30764259.82	1.9938	A	1.8
8	☐			13397.19	0.0009	P	52.1

$$y = 1.9905E-004 * x + 8.2307E-006$$

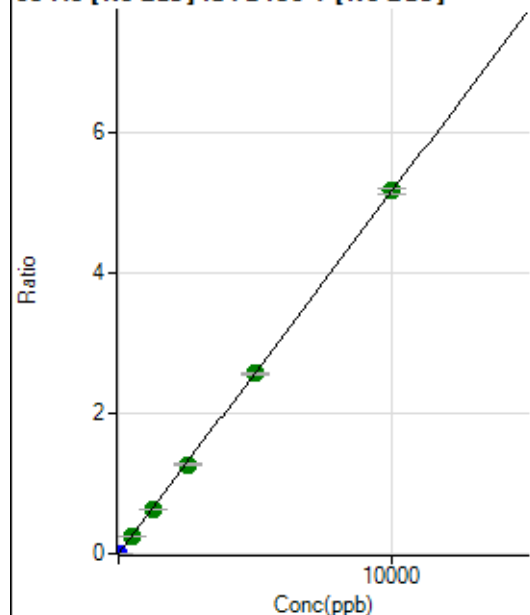
$$R = 1.0000$$

$$DL = 0.004257$$

Weight: <None>

Min Conc: 0

98 Mo [No Gas] ISTD : 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	322.23	0.0000	P	22.6
2	☐	5.000	5.117	44131.95	0.0027	P	0.8
3	☐	500.000	489.123	4210752.33	0.2521	A	3.0
4	☐	1250.000	1236.985	10447509.85	0.6376	A	1.3
5	☐	2500.000	2460.590	19698559.01	1.2682	A	1.4
6	☐	5000.000	4977.950	39132986.36	2.5657	A	0.9
7	☐	10000.000	10023.048	79712548.81	5.1659	A	1.8
8	☐			31366.60	0.0021	P	46.3

$$y = 5.1540E-004 * x + 1.9372E-005$$

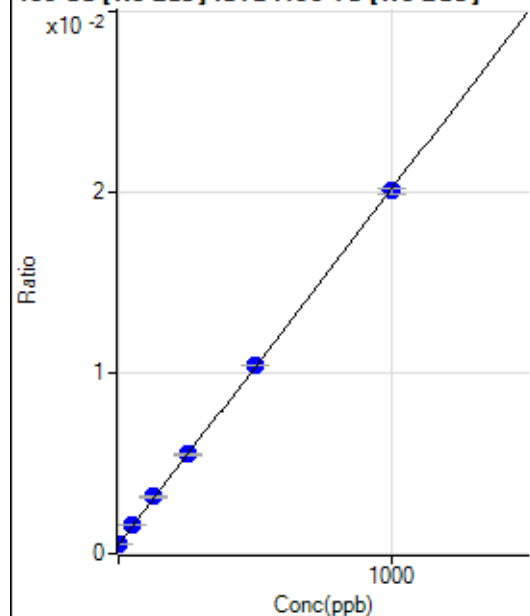
$$R = 1.0000$$

$$DL = 0.02543$$

Weight: <None>

Min Conc: 0

106 Cd [No Gas] ISTD : 159 Tb [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	6648.25	0.0005	P	4.8
2	☐	1.000	1.386	7052.88	0.0005	P	1.7
3	☐	50.000	54.332	21174.41	0.0016	P	1.9
4	☐	125.000	134.402	42076.34	0.0031	P	1.7
5	☐	250.000	253.997	72710.60	0.0055	P	2.1
6	☐	500.000	504.843	138385.92	0.0104	P	0.6
7	☐	1000.000	995.187	269462.40	0.0200	P	1.5
8	☐			6131.35	0.0005	P	1.8

$$y = 1.9638E-005 * x + 5.0398E-004$$

$$R = 0.9999$$

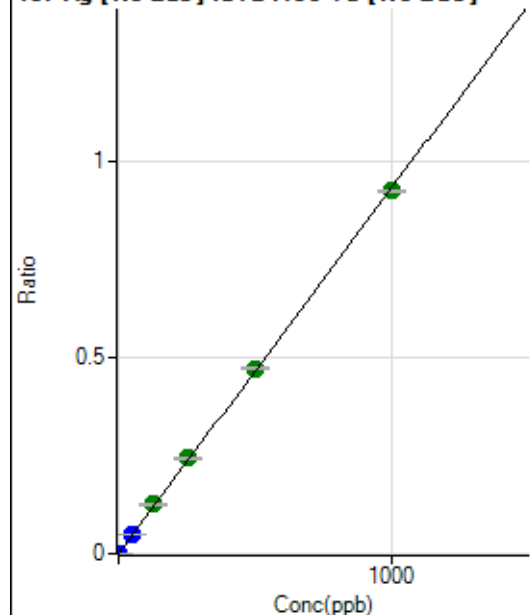
$$DL = 3.672$$

Weight: <None>

Min Conc: 0

Calibration for 006CAL.S.d

107 Ag [No Gas] ISTD : 159 Tb [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	90.00	0.0000	P	9.4
2	☐	1.000	1.093	13620.93	0.0010	P	1.1
3	☐	50.000	54.298	682528.88	0.0506	P	1.6
4	☐	125.000	135.333	1689297.40	0.1262	A	2.1
5	☐	250.000	261.532	3228858.36	0.2439	A	1.4
6	☐	500.000	506.180	6269849.35	0.4720	A	1.4
7	☐	1000.000	992.520	12440584.26	0.9255	A	0.7
8	☐			4764.13	0.0004	P	39.4

$$y = 9.3249E-004 * x + 6.8194E-006$$

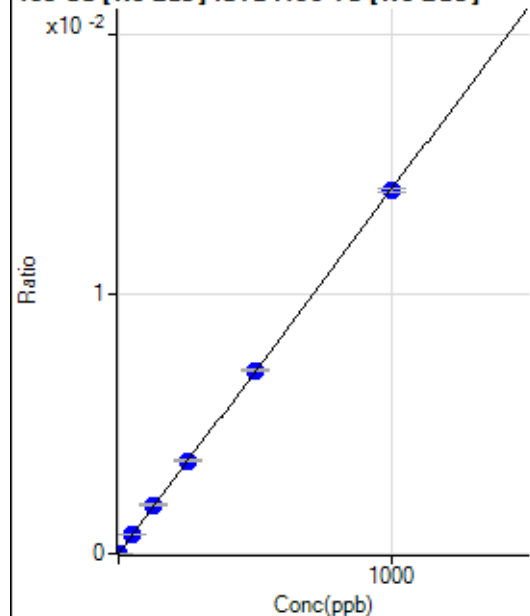
$$R = 0.9999$$

$$DL = 0.002054$$

Weight: <None>

Min Conc: 0

108 Cd [No Gas] ISTD : 159 Tb [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	21.11	0.0000	P	24.7
2	☐	1.000	1.049	216.67	0.0000	P	11.3
3	☐	50.000	53.505	10140.28	0.0008	P	1.7
4	☐	125.000	133.303	25055.01	0.0019	P	2.9
5	☐	250.000	255.877	47555.43	0.0036	P	0.5
6	☐	500.000	502.880	93746.98	0.0071	P	0.6
7	☐	1000.000	995.877	187841.93	0.0140	P	1.1
8	☐			106.67	0.0000	P	9.4

$$y = 1.4031E-005 * x + 1.6017E-006$$

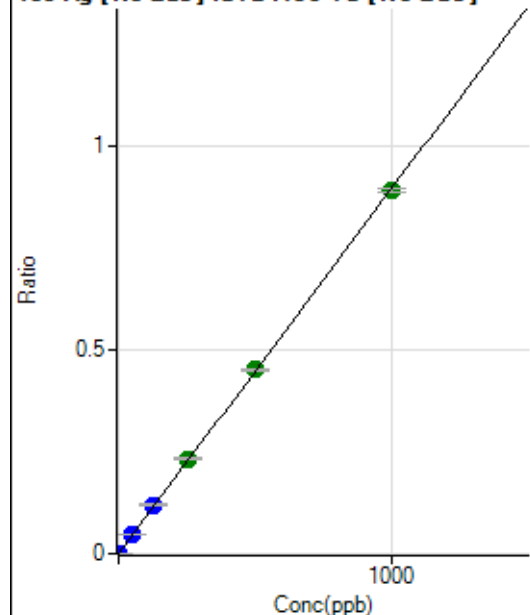
$$R = 1.0000$$

$$DL = 0.08457$$

Weight: <None>

Min Conc: 0

109 Ag [No Gas] ISTD :159 Tb [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	30.00	0.0000	P	38.4
2	☐	1.000	1.107	13167.19	0.0010	P	3.2
3	☐	50.000	53.657	646396.65	0.0480	P	1.3
4	☐	125.000	133.405	1595976.78	0.1192	P	1.8
5	☐	250.000	260.275	3079809.02	0.2326	A	1.1
6	☐	500.000	504.393	5988197.55	0.4508	A	0.7
7	☐	1000.000	994.001	11940851.77	0.8884	A	1.1
8	☐			3996.68	0.0003	P	32.9

$$y = 8.9373E-004 * x + 2.2731E-006$$

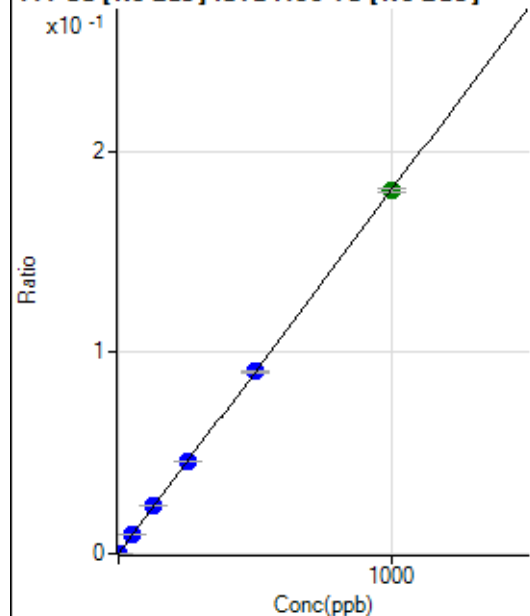
$$R = 0.9999$$

$$DL = 0.002929$$

Weight: <None>

Min Conc: 0

111 Cd [No Gas] ISTD :159 Tb [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1341.54	0.0001	P	4.7
2	☐	1.000	1.162	4134.77	0.0003	P	2.4
3	☐	50.000	53.009	130311.33	0.0097	P	0.6
4	☐	125.000	132.295	320941.81	0.0240	P	1.9
5	☐	250.000	254.086	608451.48	0.0460	P	0.8
6	☐	500.000	500.269	1200624.46	0.0904	P	0.4
7	☐	1000.000	997.781	2421842.83	0.1802	A	1.1
8	☐			2048.32	0.0002	P	7.8

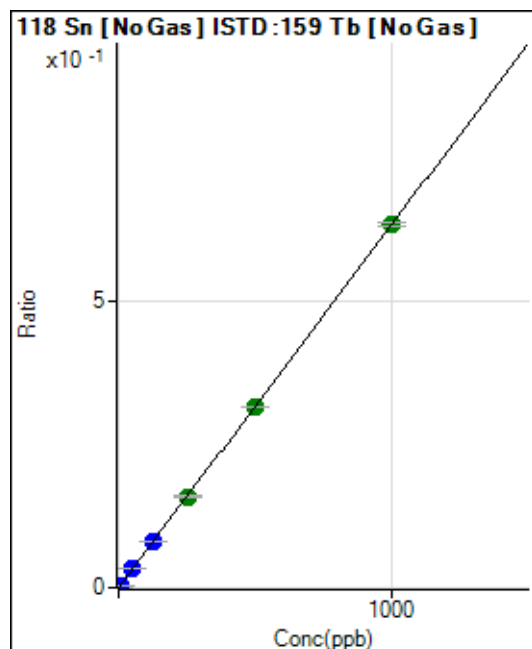
$$y = 1.8047E-004 * x + 1.0170E-004$$

$$R = 1.0000$$

$$DL = 0.07985$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	855.59	0.0001	P	4.8
2	☐	5.000	5.373	46035.56	0.0035	P	2.2
3	☐	50.000	50.614	432903.06	0.0321	P	0.8
4	☐	125.000	126.880	1076409.51	0.0804	P	1.8
5	☐	250.000	251.189	2107021.36	0.1591	A	0.6
6	☐	500.000	498.837	4197231.36	0.3160	A	0.4
7	☐	1000.000	1000.017	8513091.89	0.6334	A	1.1
8	☐			4063.11	0.0003	P	13.8

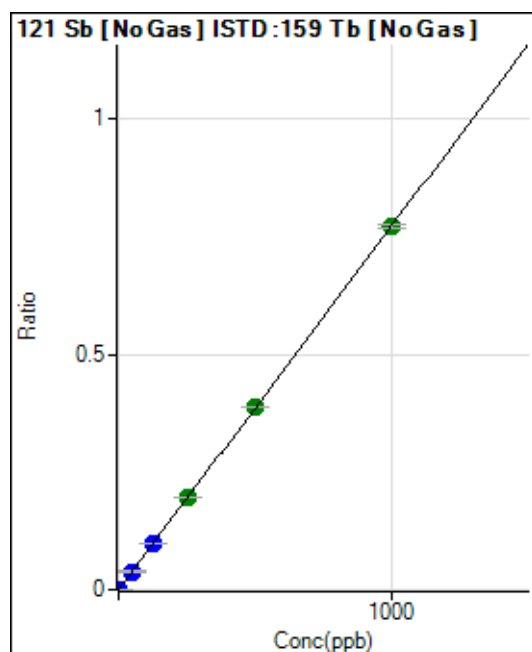
$$y = 6.3328E-004 * x + 6.4838E-005$$

$$R = 1.0000$$

$$DL = 0.01474$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	18.89	0.0000	P	27.3
2	☐	2.000	2.094	21519.48	0.0016	P	1.2
3	☐	50.000	50.227	523471.86	0.0388	P	1.4
4	☐	125.000	126.399	1308183.50	0.0977	P	2.5
5	☐	250.000	252.209	2581911.51	0.1950	A	0.7
6	☐	500.000	502.716	5163416.21	0.3887	A	0.5
7	☐	1000.000	997.904	10371449.43	0.7716	A	1.1
8	☐			9220.93	0.0007	P	8.2

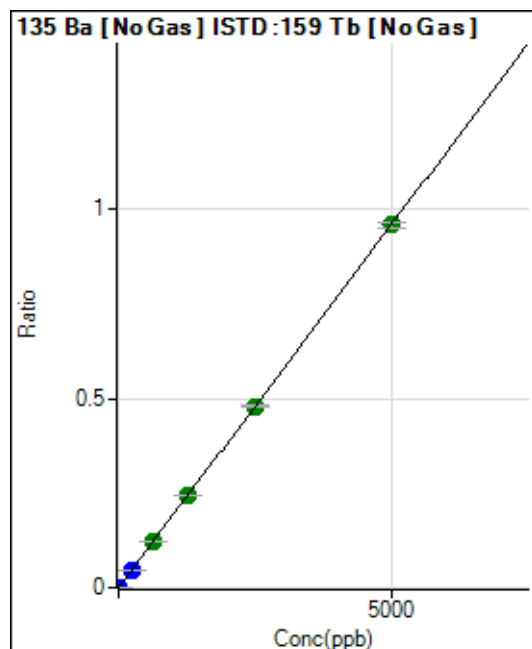
$$y = 7.7322E-004 * x + 1.4322E-006$$

$$R = 1.0000$$

$$DL = 0.001515$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	53.33	0.0000	P	35.3
2	☐	10.000	10.745	27462.04	0.0021	P	0.3
3	☐	250.000	246.255	637708.41	0.0473	P	0.6
4	☐	625.000	639.269	1643992.96	0.1228	A	1.4
5	☐	1250.000	1260.800	3206944.92	0.2422	A	0.1
6	☐	2500.000	2498.155	6375049.91	0.4799	A	0.7
7	☐	5000.000	4996.625	12902345.64	0.9599	A	1.3
8	☐			7172.00	0.0006	P	11.8

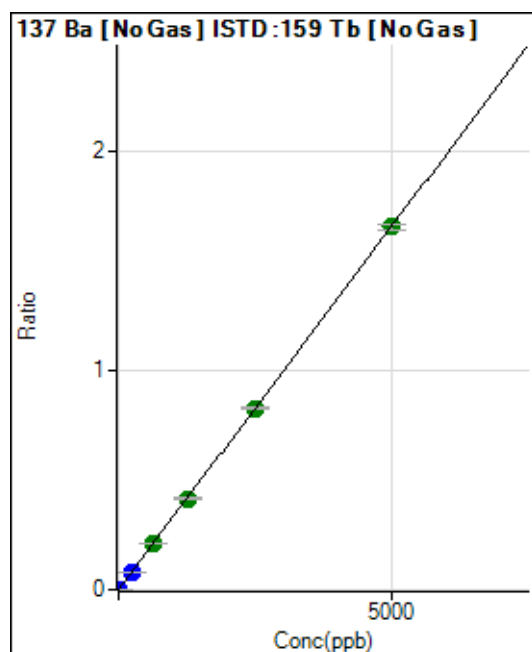
$$y = 1.9211E-004 * x + 4.0463E-006$$

$$R = 1.0000$$

$$DL = 0.02229$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	94.44	0.0000	P	28.9
2	☐	10.000	10.647	46846.87	0.0035	P	1.1
3	☐	250.000	246.082	1097068.29	0.0814	P	1.1
4	☐	625.000	641.652	2840920.03	0.2122	A	0.7
5	☐	1250.000	1254.425	5492897.76	0.4149	A	0.7
6	☐	2500.000	2501.497	10989339.42	0.8273	A	1.2
7	☐	5000.000	4996.259	22210397.17	1.6524	A	1.4
8	☐			12522.59	0.0010	P	10.7

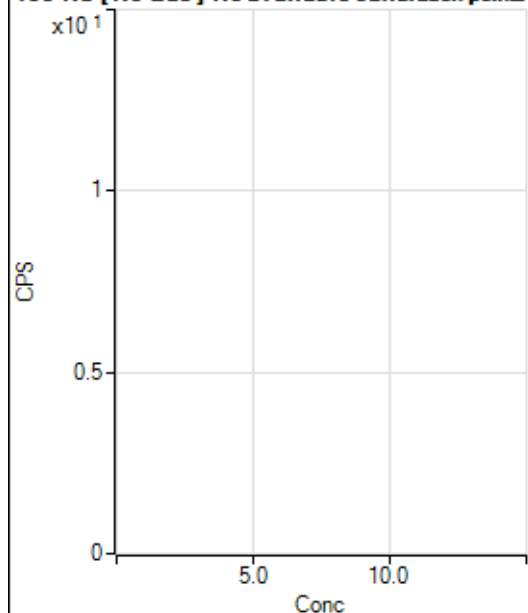
$$y = 3.3073E-004 * x + 7.1505E-006$$

$$R = 1.0000$$

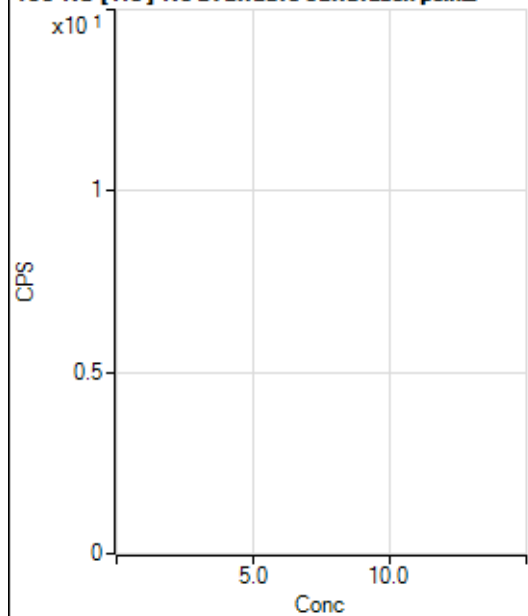
$$DL = 0.01877$$

Weight: <None>

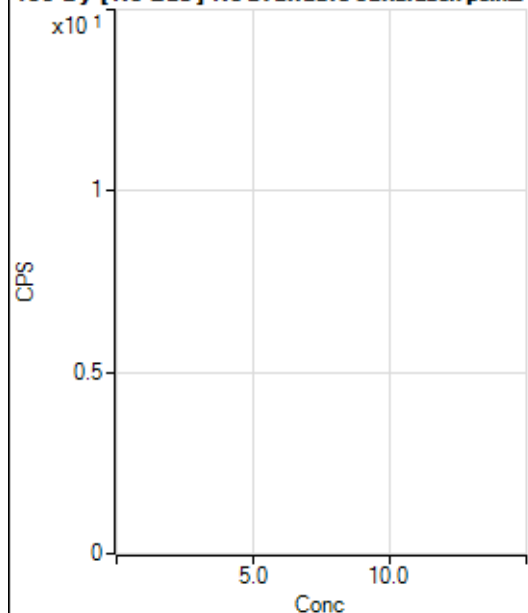
Min Conc: 0

150 Nd [No Gas] No available calibration points

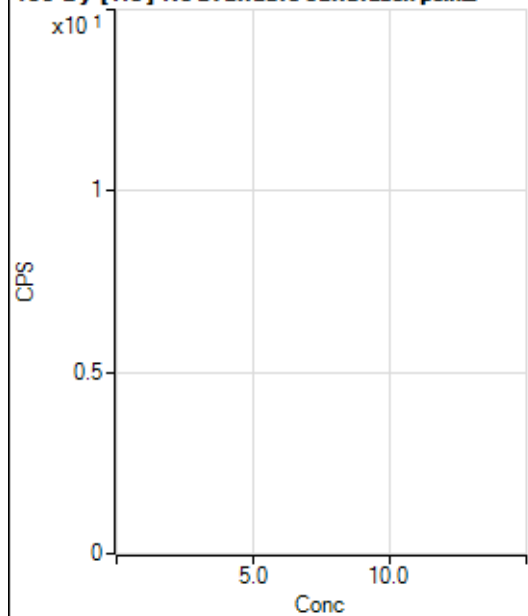
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.56		P	34.7
2	☐			12.22		P	31.5
3	☐			55.56		P	9.2
4	☐			116.67		P	13.1
5	☐			216.67		P	29.5
6	☐			382.23		P	6.5
7	☐			735.58		P	1.7
8	☐			205.56		P	15.1

150 Nd [He] No available calibration points

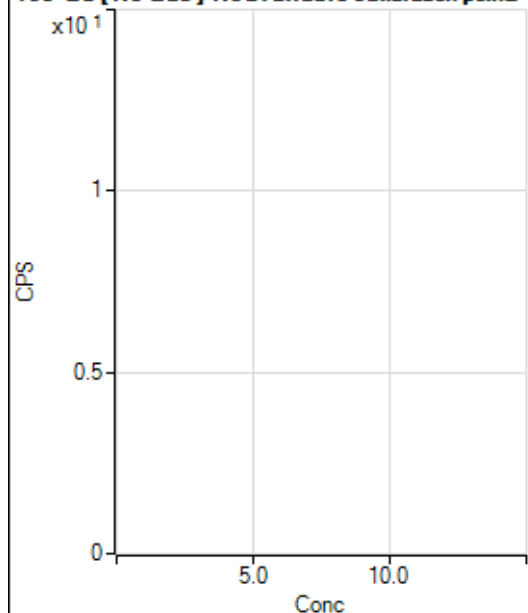
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.45		P	86.6
2	☐			6.67		P	50.0
3	☐			17.78		P	10.8
4	☐			43.33		P	7.7
5	☐			76.67		P	34.5
6	☐			133.34		P	19.8
7	☐			230.00		P	16.3
8	☐			137.78		P	10.9

156 Dy [No Gas] No available calibration points

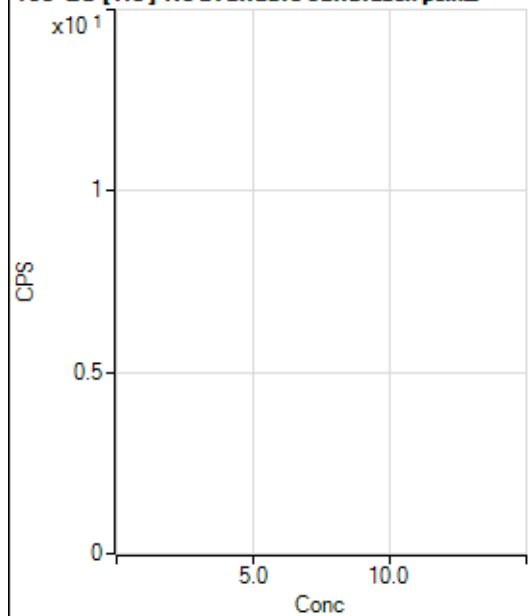
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			12.22		P	41.7
2	☐			12.22		P	31.5
3	☐			21.11		P	96.5
4	☐			35.55		P	30.1
5	☐			62.22		P	29.5
6	☐			96.67		P	15.0
7	☐			243.34		P	7.2
8	☐			357.79		P	6.1

156 Dy [He] No available calibration points

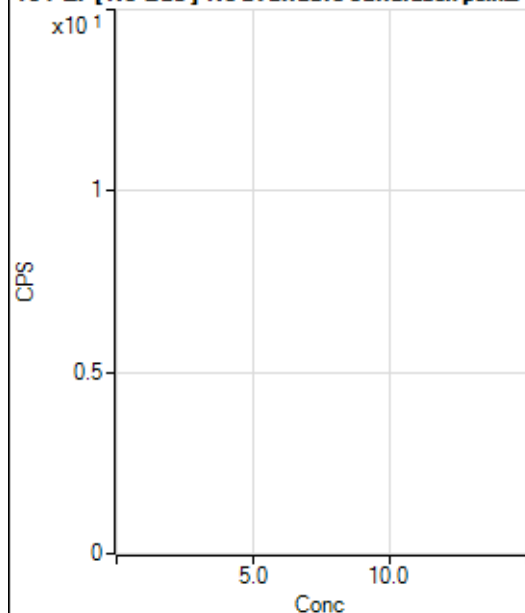
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			8.89		P	78.1
2	☐			7.78		P	49.5
3	☐			53.33		P	16.5
4	☐			115.56		P	19.6
5	☐			208.89		P	3.3
6	☐			390.01		P	1.5
7	☐			821.14		P	4.3
8	☐			332.23		P	17.2

160 Gd [No Gas] No available calibration poin...

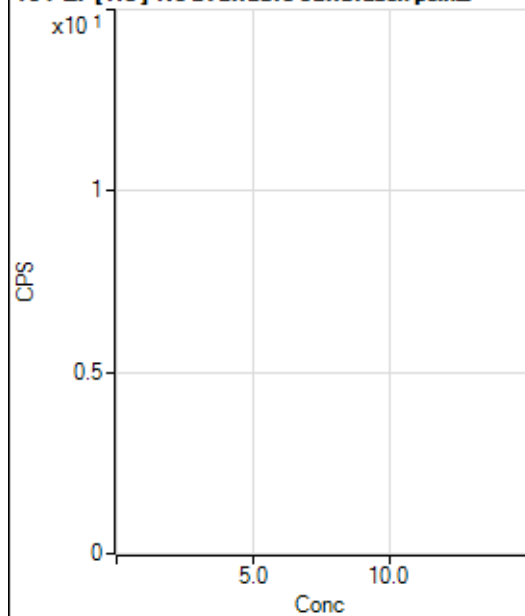
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			65.56		P	7.8
2	☐			58.89		P	29.0
3	☐			63.33		P	5.3
4	☐			74.44		P	29.1
5	☐			84.44		P	32.9
6	☐			75.55		P	31.0
7	☐			164.45		P	8.4
8	☐			347.79		P	7.3

160 Gd [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			582.24		P	4.6
2	☐			575.57		P	9.7
3	☐			563.35		P	13.4
4	☐			560.02		P	6.2
5	☐			534.46		P	6.7
6	☐			540.02		P	2.5
7	☐			592.24		P	16.0
8	☐			767.81		P	6.7

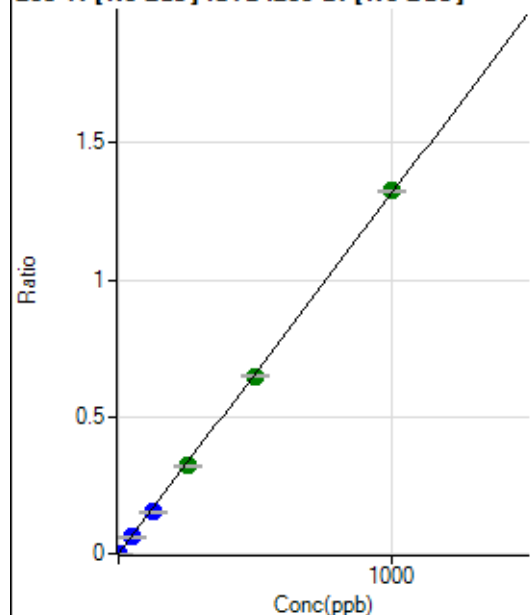
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			53.33		P	27.2
2	☐			56.67		P	23.5
3	☐			74.44		P	31.8
4	☐			83.33		P	4.0
5	☐			78.89		P	17.6
6	☐			106.67		P	11.3
7	☐			190.00		P	10.7
8	☐			407.79		P	14.7

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			44.44		P	33.8
2	☐			47.78		P	14.5
3	☐			54.44		P	18.7
4	☐			62.22		P	22.3
5	☐			60.00		P	34.7
6	☐			85.55		P	26.5
7	☐			136.67		P	8.8
8	☐			326.67		P	8.9

203 Tl [No Gas] ISTD :209 Bi [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	135.56	0.0000	P	4.8
2	☐	1.000	0.971	9791.37	0.0013	P	2.3
3	☐	50.000	45.462	460334.03	0.0598	P	2.4
4	☐	125.000	115.619	1178653.47	0.1521	P	1.7
5	☐	250.000	242.924	2488521.56	0.3196	A	2.0
6	☐	500.000	492.518	5075932.42	0.6481	A	1.3
7	☐	1000.000	1006.910	10352550.05	1.3249	A	0.8
8	☐			2650.33	0.0004	P	22.6

$$y = 0.0013 * x + 1.8144E-005$$

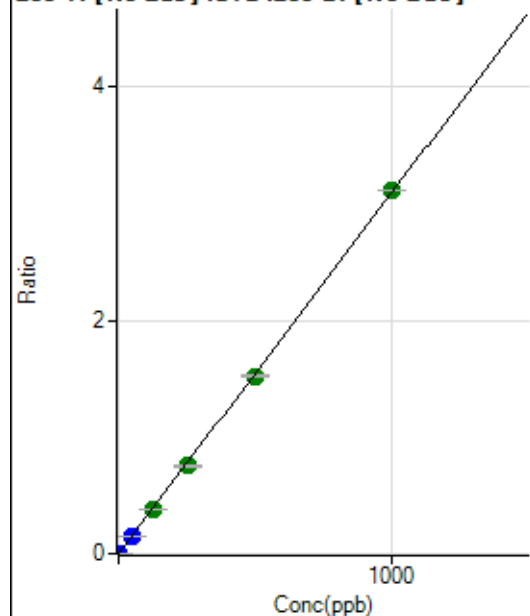
$$R = 0.9999$$

$$DL = 0.002$$

Weight: <None>

Min Conc: 0

205 Tl [No Gas] ISTD :209 Bi [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	326.67	0.0000	P	14.1
2	☐	1.000	0.944	22368.45	0.0030	P	1.4
3	☐	50.000	45.701	1086748.63	0.1412	P	1.7
4	☐	125.000	122.536	2933336.76	0.3786	A	1.4
5	☐	250.000	243.892	5866931.86	0.7536	A	1.3
6	☐	500.000	492.143	11910486.77	1.5206	A	1.2
7	☐	1000.000	1005.979	24288039.08	3.1082	A	0.1
8	☐			5948.12	0.0009	P	22.5

$$y = 0.0031 * x + 4.3725E-005$$

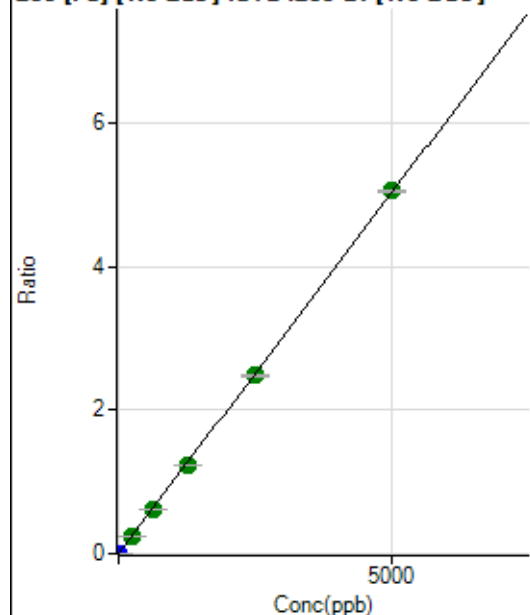
$$R = 0.9999$$

$$DL = 0.005986$$

Weight: <None>

Min Conc: 0

206 [Pb] [No Gas] ISTD :209 Bi [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	513.35	0.0001	P	11.5
2	☐	1.000	1.002	8148.07	0.0011	P	4.9
3	☐	250.000	236.654	1834365.20	0.2384	A	1.7
4	☐	625.000	610.895	4766960.17	0.6153	A	1.2
5	☐	1250.000	1220.991	9574194.58	1.2297	A	1.4
6	☐	2500.000	2465.503	19449810.41	2.4831	A	1.2
7	☐	5000.000	5026.931	39561305.52	5.0627	A	0.4
8	☐			16245.72	0.0024	P	12.5

$$y = 0.0010 * x + 6.8715E-005$$

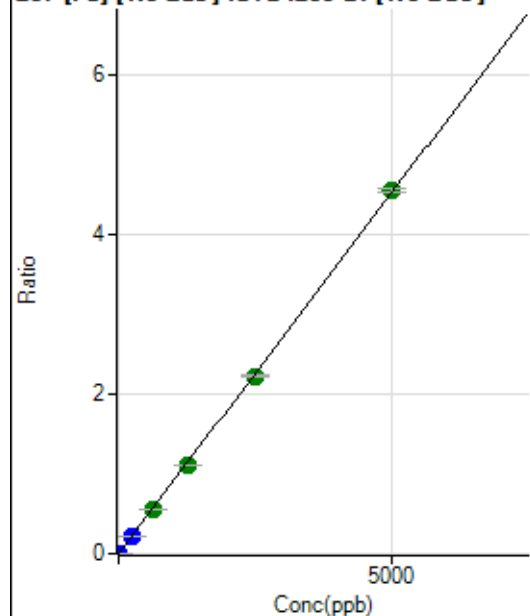
$$R = 0.9999$$

$$DL = 0.02357$$

Weight: <None>

Min Conc: 0

207 [Pb] [No Gas] ISTD :209 Bi [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	436.68	0.0001	P	2.5
2	☐	1.000	0.994	7243.11	0.0010	P	3.3
3	☐	250.000	229.173	1596750.05	0.2075	P	2.3
4	☐	625.000	609.062	4272065.32	0.5515	A	2.1
5	☐	1250.000	1220.283	8602001.61	1.1049	A	0.9
6	☐	2500.000	2462.986	17466199.32	2.2300	A	1.5
7	☐	5000.000	5028.970	35577737.80	4.5531	A	1.0
8	☐			14231.03	0.0021	P	11.7

$$y = 9.0537E-004 * x + 5.8450E-005$$

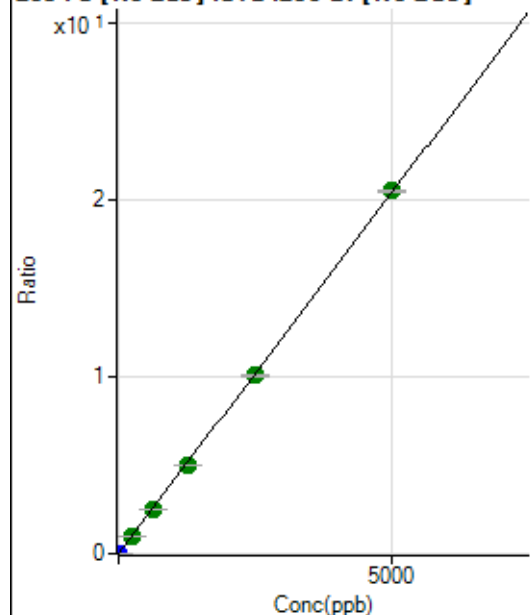
$$R = 0.9999$$

$$DL = 0.00477$$

Weight: <None>

Min Conc: 0

208 Pb [No Gas] ISTD : 209 Bi [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2040.08	0.0003	P	2.9
2	☐	1.000	0.983	32359.66	0.0043	P	2.2
3	☐	250.000	238.217	7479069.18	0.9720	A	1.5
4	☐	625.000	608.875	19243608.40	2.4841	A	1.6
5	☐	1250.000	1222.996	38844336.16	4.9892	A	1.0
6	☐	2500.000	2465.598	78783262.16	10.0582	A	1.0
7	☐	5000.000	5026.557	160225779.2	20.5051	A	0.8
8	☐			64769.79	0.0095	P	12.1

$$y = 0.0041 * x + 2.7307E-004$$

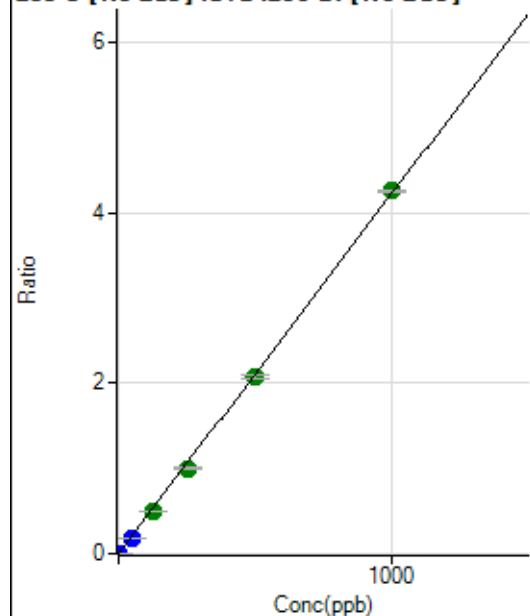
$$R = 0.9999$$

$$DL = 0.005782$$

Weight: <None>

Min Conc: 0

238 U [No Gas] ISTD : 209 Bi [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	24.45	0.0000	P	28.4
2	☐	1.000	0.902	28840.13	0.0038	P	0.5
3	☐	50.000	42.625	1385701.86	0.1801	P	2.6
4	☐	125.000	116.810	3823391.44	0.4936	A	2.7
5	☐	250.000	236.849	7791758.01	1.0008	A	1.3
6	☐	500.000	492.152	16288477.54	2.0796	A	1.3
7	☐	1000.000	1008.604	33302906.45	4.2619	A	0.8
8	☐			7189.95	0.0010	P	27.2

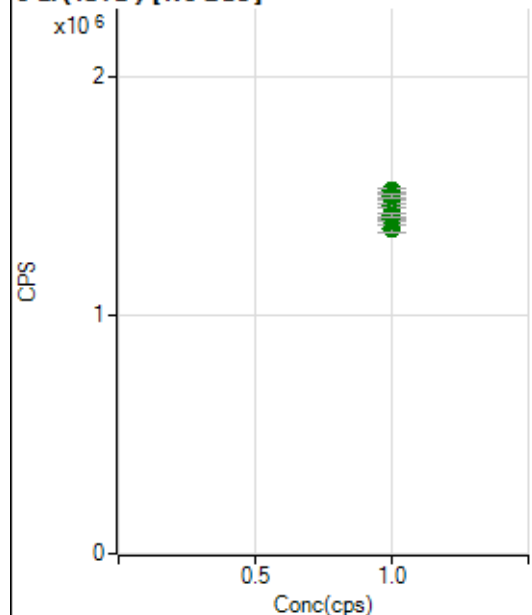
$$y = 0.0042 * x + 3.2725E-006$$

$$R = 0.9999$$

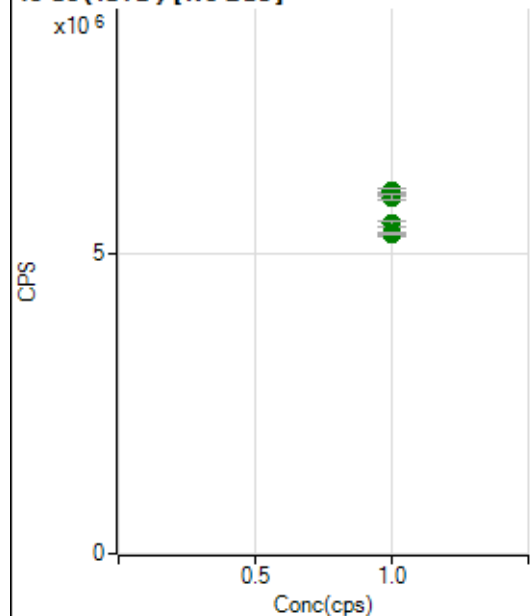
$$DL = 0.0006588$$

Weight: <None>

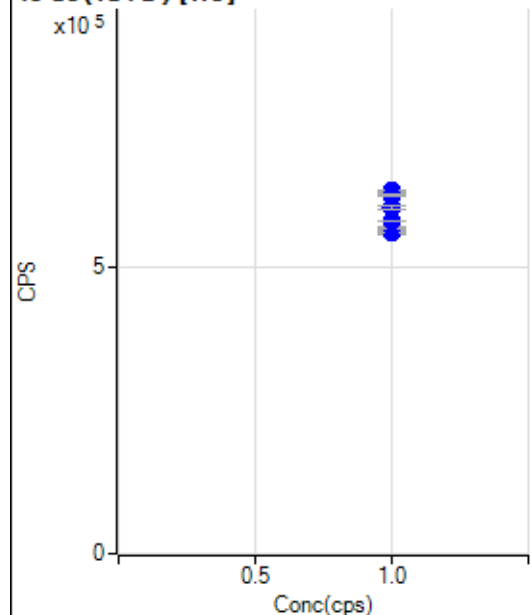
Min Conc: 0

6 Li (ISTD) [No Gas]

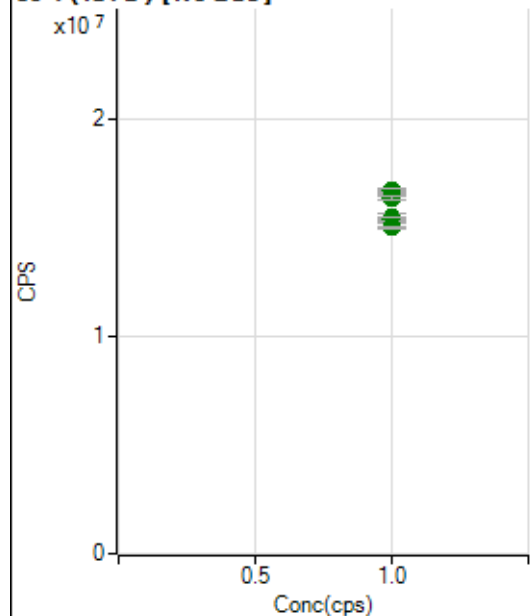
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		1362081.51		A	2.0
2	☐	1.000		1393319.99		A	1.6
3	☐	1.000		1400159.20		A	1.3
4	☐	1.000		1456314.72		A	1.1
5	☐	1.000		1499177.86		A	2.1
6	☐	1.000		1521070.13		A	1.1
7	☐	1.000		1500899.23		A	1.1
8	☐	1.000		1415873.16		A	1.2

45 Sc (ISTD) [No Gas]

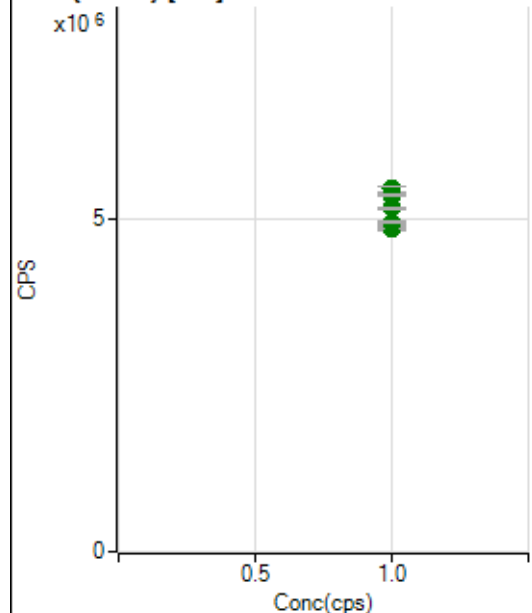
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		6034470.39		A	1.3
2	☐	1.000		6041201.72		A	1.2
3	☐	1.000		6025426.65		A	1.9
4	☐	1.000		5931383.38		A	1.4
5	☐	1.000		5494795.96		A	2.2
6	☐	1.000		5319345.30		A	1.1
7	☐	1.000		5327090.37		A	0.8
8	☐	1.000		5334648.53		A	0.8

45 Sc (ISTD) [He]

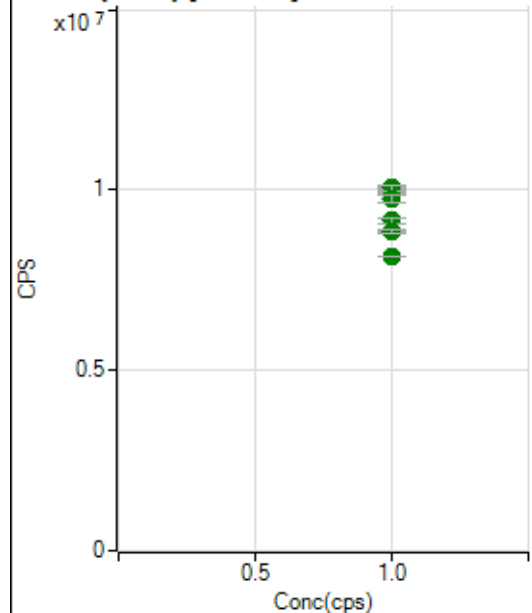
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		629741.74		P	0.4
2	☐	1.000		632964.58		P	0.4
3	☐	1.000		625120.36		P	0.3
4	☐	1.000		604371.34		P	0.9
5	☐	1.000		560468.23		P	0.7
6	☐	1.000		562330.69		P	0.6
7	☐	1.000		569400.86		P	0.4
8	☐	1.000		579851.81		P	0.2

89 Y (ISTD) [No Gas]

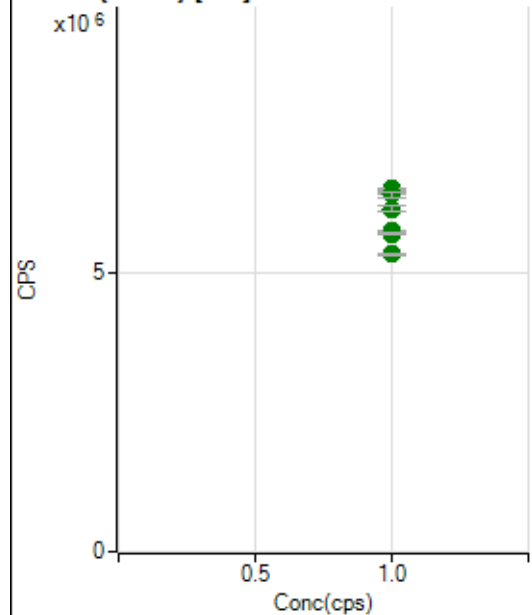
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		16608700.17		A	1.0
2	☐	1.000		16610813.92		A	0.3
3	☐	1.000		16707261.97		A	1.7
4	☐	1.000		16388144.90		A	1.4
5	☐	1.000		15533343.93		A	1.3
6	☐	1.000		15252482.55		A	0.3
7	☐	1.000		15431886.02		A	1.0
8	☐	1.000		15022531.86		A	0.9

89 Y (ISTD) [He]

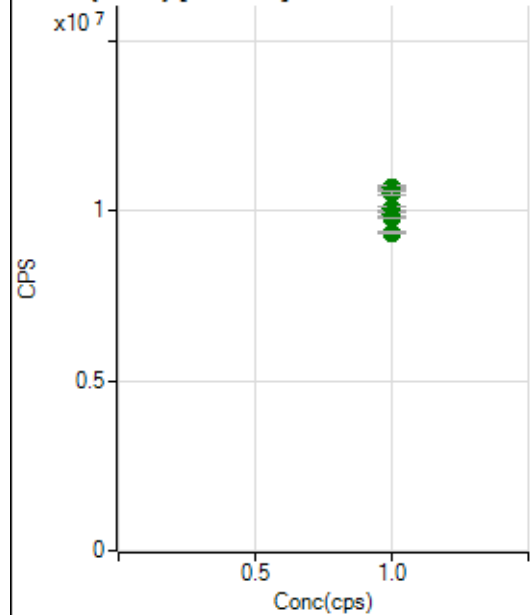
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5404987.73		A	0.3
2	☐	1.000		5462588.22		A	1.6
3	☐	1.000		5367873.57		A	0.6
4	☐	1.000		5179509.40		A	0.6
5	☐	1.000		4869988.78		A	0.8
6	☐	1.000		4887937.25		A	0.7
7	☐	1.000		4950526.10		A	0.9
8	☐	1.000		4954340.73		A	0.5

103 Rh (ISTD) [No Gas]

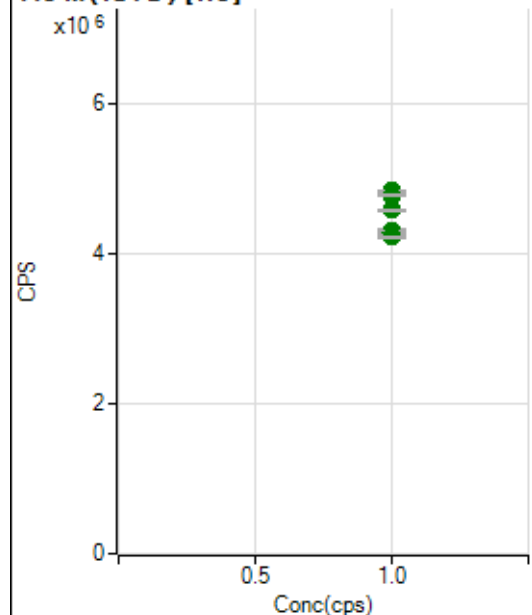
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9969127.28		A	0.7
2	☐	1.000		10042962.56		A	0.6
3	☐	1.000		10058056.93		A	1.4
4	☐	1.000		9774763.88		A	2.0
5	☐	1.000		9155776.25		A	1.5
6	☐	1.000		8861523.20		A	0.6
7	☐	1.000		8846943.34		A	1.0
8	☐	1.000		8166191.54		A	0.3

103 Rh (ISTD) [He]

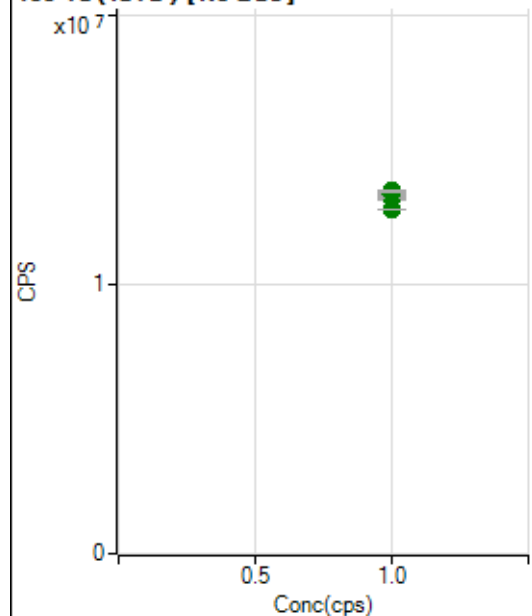
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6464554.63		A	1.4
2	☐	1.000		6501919.56		A	0.6
3	☐	1.000		6395684.63		A	2.0
4	☐	1.000		6144960.81		A	1.8
5	☐	1.000		5749718.53		A	0.1
6	☐	1.000		5750484.71		A	0.8
7	☐	1.000		5697428.67		A	0.3
8	☐	1.000		5325018.57		A	0.6

115 In (ISTD) [No Gas]

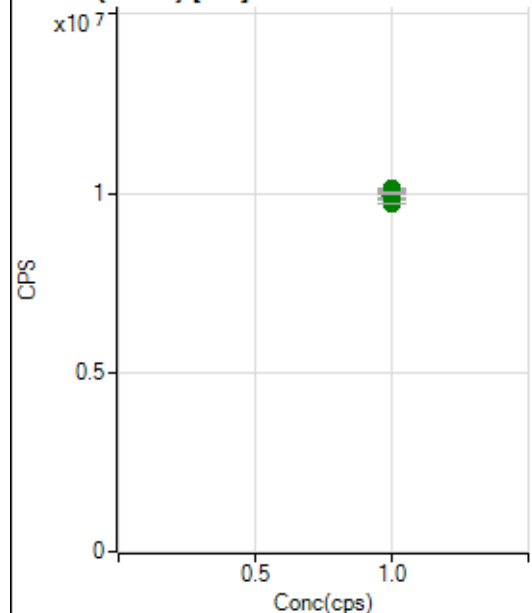
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10602394.10		A	0.6
2	☐	1.000		10651327.95		A	0.2
3	☐	1.000		10663181.23		A	1.4
4	☐	1.000		10504709.57		A	0.9
5	☐	1.000		10067023.29		A	1.5
6	☐	1.000		9886796.67		A	1.2
7	☐	1.000		9775825.78		A	0.3
8	☐	1.000		9348706.76		A	0.3

115 In (ISTD) [He]

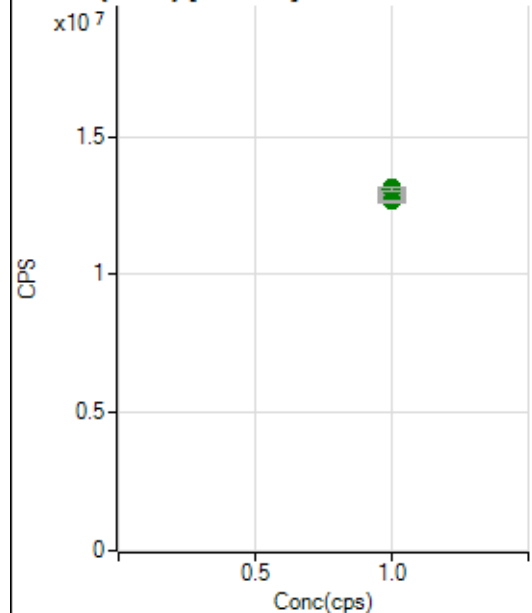
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4802252.37		A	0.7
2	☐	1.000		4838383.18		A	0.9
3	☐	1.000		4778129.04		A	0.8
4	☐	1.000		4583569.55		A	0.6
5	☐	1.000		4299751.49		A	0.6
6	☐	1.000		4306888.30		A	1.2
7	☐	1.000		4284885.92		A	0.8
8	☐	1.000		4221324.44		A	0.4

159 Tb (ISTD) [No Gas]

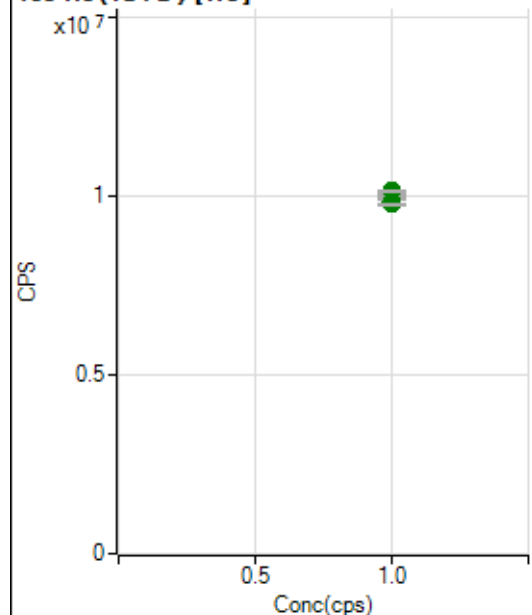
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		13193790.36		A	0.6
2	☐	1.000		13278456.05		A	1.0
3	☐	1.000		13478674.94		A	0.4
4	☐	1.000		13387418.69		A	1.2
5	☐	1.000		13239906.75		A	0.5
6	☐	1.000		13283619.25		A	0.5
7	☐	1.000		13441753.13		A	0.7
8	☐	1.000		12769179.81		A	0.2

159 Tb (ISTD) [He]

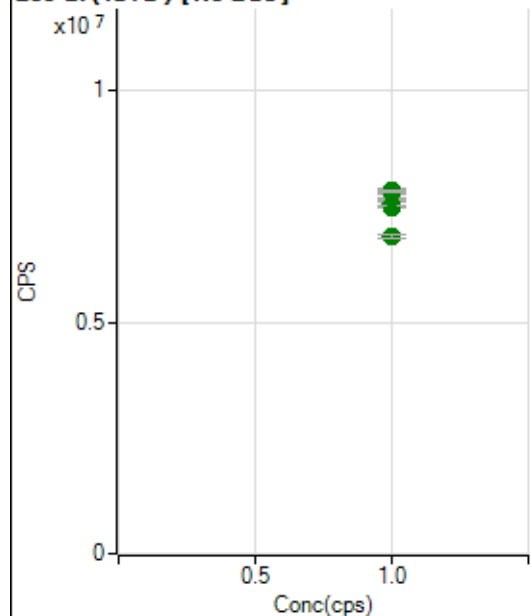
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10118662.21		A	0.4
2	☐	1.000		10089144.85		A	0.2
3	☐	1.000		10022148.46		A	0.7
4	☐	1.000		10043272.70		A	0.4
5	☐	1.000		9827844.09		A	0.6
6	☐	1.000		9943066.03		A	1.2
7	☐	1.000		9995435.06		A	0.5
8	☐	1.000		9704560.55		A	0.3

165 Ho (ISTD) [No Gas]

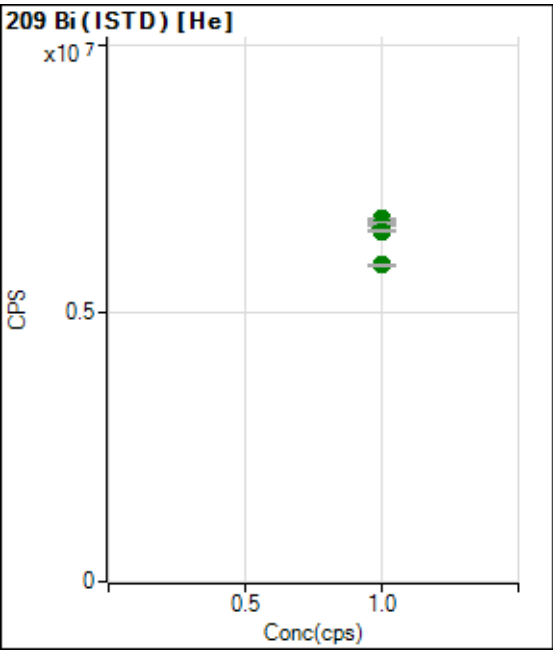
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		12759602.59		A	1.1
2	☐	1.000		12881472.45		A	0.2
3	☐	1.000		12862670.08		A	1.9
4	☐	1.000		13143474.39		A	0.4
5	☐	1.000		12791756.06		A	0.7
6	☐	1.000		12907995.50		A	0.5
7	☐	1.000		13087098.84		A	1.3
8	☐	1.000		12650848.56		A	0.5

165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10052695.06		A	1.5
2	☐	1.000		10025733.53		A	0.9
3	☐	1.000		9986991.17		A	0.8
4	☐	1.000		10112285.82		A	0.6
5	☐	1.000		9841540.55		A	0.9
6	☐	1.000		10010419.50		A	0.7
7	☐	1.000		10130605.40		A	0.3
8	☐	1.000		9757402.84		A	0.6

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7470626.90		A	0.3
2	☐	1.000		7558952.94		A	1.2
3	☐	1.000		7695278.49		A	1.6
4	☐	1.000		7748071.62		A	1.5
5	☐	1.000		7785963.36		A	1.0
6	☐	1.000		7833130.23		A	0.9
7	☐	1.000		7814253.77		A	0.7
8	☐	1.000		6844678.16		A	0.8



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6729830.67		A	0.9
2	☐	1.000		6760632.47		A	0.7
3	☐	1.000		6676226.01		A	0.5
4	☐	1.000		6760979.27		A	0.5
5	☐	1.000		6589911.57		A	0.8
6	☐	1.000		6674935.46		A	0.7
7	☐	1.000		6528287.26		A	0.6
8	☐	1.000		5905897.41		A	0.4

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7012125MS.b
Acq. Date-Time 2025-01-21 12:33:33
Report Comment ---
Instrument Name G8403A JP14410463

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		6546	65458.53			0.532	5.000
24		195944	1959436.51			0.704	5.000
25		23946	239464.66			0.623	5.000
26		27063	270633.94			0.703	5.000
59		77209	772090.97			0.172	5.000
113		10744	107436.09			0.192	5.000
115		136871	1368712.23			0.892	5.000
206		28271	282705.71			0.301	5.000
207		24034	240342.22			0.183	5.000
208		58123	581228.02			0.402	5.000
220		0	2.90			35.334	

Mass	RSD% (Flag)
9	
24	
25	
26	
59	
113	
115	
206	
207	
208	
220	

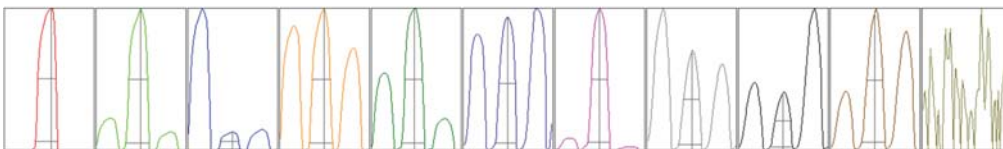
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	6511	6518	6567	6594	6538
24	194315	195164	195833	196437	197969
25	23782	23849	23908	24043	24151
26	26830	26904	27106	27208	27269
59	77426	77203	77153	77196	77067
113	10752	10716	10736	10743	10772
115	137624	138651	136146	135780	136155
206	28226	28146	28357	28328	28295
207	24058	24014	23972	24040	24088
208	57808	58021	58078	58334	58373

US EPA Tune Check Report

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
220	0	0	0	0	0

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	11351.90	9.10	8.90 - 9.10	
24	333554.69	24.00	23.90 - 24.10	
25	41911.04	25.00	24.90 - 25.10	
26	47488.97	26.00	25.90 - 26.10	
59	135799.15	58.95	58.90 - 59.10	
113	20634.46	113.00	112.90 - 113.10	
115	262195.15	115.00	114.90 - 115.10	
206	55377.11	206.05	205.90 - 206.10	
207	47271.38	207.00	206.90 - 207.10	
208	112740.01	208.00	207.90 - 208.10	
220			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.60	0.736	0.900	
24	0.62	0.786	0.900	
25	0.60	0.723	0.900	
26	0.61	0.779	0.900	
59	0.59	0.773	0.900	
113	0.53	0.720	0.900	
115	0.53	0.742	0.900	
206	0.53	0.774	0.900	
207	0.52	0.752	0.900	
208	0.52	0.798	0.900	
220				

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.82 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.3 V	Deflect	14.6 V
Extract 2	-125.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-55 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	150 V		

QP Parameters

Mass Gain	138	Axis Gain	0.9976	QP Bias	-3.0 V
Mass Offset	130	Axis Offset	0.12		

Hardware Settings

Torch

Torch H	0.2 mm	Torch V	0.4 mm
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EM

Discriminator	4.8 mV	Analog HV	2267 V	Pulse HV	1066 V
---------------	--------	-----------	--------	----------	--------

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		27876	278761.81			0.950	
89		56775	567750.47			0.954	
205		32550	325499.68			1.543	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	28262	28009	27790	27743	27577
89	57512	57114	56710	56242	56297
205	33077	33062	32311	32363	31937

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.82 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.1 V	Deflect	3.2 V
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US EPA Tune Check Report

Extract 2	-115.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-55 V	Cell Exit	-60 V		
Cell Parameters					
Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.9 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		
QP Parameters					
Mass Gain	138	Axis Gain	0.9976	QP Bias	-13.0 V
Mass Offset	130	Axis Offset	0.12		
Hardware Settings					
Torch					
Torch H	0.2 mm	Torch V	0.4 mm		
EM					
Discriminator	4.8 mV	Analog HV	2267 V	Pulse HV	1066 V

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P7
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:27:22 DataFile Name : 005CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.15	-0.13	-0.02	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	-0.01	-0.01	0.02	0.00	N/A	ppb
Barium	135-1	0.01	-0.01	0.00	0.00	N/A	ppb
Barium	137-1	-0.01	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	-0.01	-0.02	0.00	N/A	ppb
Cadmium	106-1	1.25	-0.06	-1.19	0.00	N/A	ppb
Cadmium	111-1	0.03	0.00	-0.03	0.00	N/A	ppb
Calcium	43-1	1.28	-0.21	-1.08	0.00	N/A	ppb
Calcium	44-1	-0.05	0.41	-0.36	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	-0.01	-0.01	0.00	N/A	ppb
Cobalt	59-2	0.01	0.00	-0.01	0.00	N/A	ppb
Copper	63-2	0.00	0.00	0.00	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	0.05	0.00	-0.05	0.00	N/A	ppb
Iron	57-2	-0.01	-0.68	0.69	0.00	N/A	ppb
Iron	54-2	-0.15	-0.03	0.18	0.00	N/A	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P7
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:27:22 DataFile Name : 005CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	-0.01	0.00	0.00	N/A	ppb
Lead	207-1	0.00	0.00	0.00	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.09	-0.02	-0.07	0.00	N/A	ppb
Manganese	55-2	0.01	0.00	-0.01	0.00	N/A	ppb
Molybdenum	94-1	-0.02	0.03	-0.01	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.01	-0.01	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.04	0.01	0.03	0.00	N/A	ppb
Phosphorus	31-2	-17.27	-14.83	-15.88	-15.99		ppb
Potassium	39-2	0.09	-0.32	0.23	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.04	0.13	-0.17	0.00	N/A	ppb
Selenium	77-2	-0.05	0.25	-0.20	0.00	N/A	ppb
Selenium	78-2	-0.73	0.08	0.65	0.00	N/A	ppb
Silicon	28-1	-1.72	0.41	1.31	0.00	N/A	ppb
Silver	107-1	0.00	0.00	0.00	0.00	N/A	ppb
Silver	109-1	0.00	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	-0.18	-0.01	0.19	0.00	N/A	ppb
Strontium	86-1	0.00	0.00	0.01	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-170.13	6.73	24.33	-46.36		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	-0.01	0.00	0.00	0.00	N/A	ppb
Titanium	47-1	-0.01	0.00	0.01	0.00	N/A	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P7
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:27:22 DataFile Name : 005CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.02	0.00	-0.02	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.00	0.00	0.01	0.00	N/A	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S02 Instrumnet Name : P7
Client Sample ID : S02 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:33:54 DataFile Name : 007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.41	20.31	21.08	20.26	4.13	ppb
Antimony	121-1	2.07	2.10	2.12	2.09	1.24	ppb
Arsenic	75-2	1.12	1.19	0.99	1.10	9.58	ppb
Barium	135-1	10.75	10.71	10.78	10.74	0.31	ppb
Barium	137-1	10.56	10.60	10.78	10.65	1.09	ppb
Beryllium	9-1	1.03	1.13	1.19	1.12	7.09	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.09	0.90	1.15	1.05	12.54	ppb
Cadmium	106-1	1.24	1.03	1.89	1.39	32.32	ppb
Cadmium	111-1	1.12	1.20	1.17	1.16	3.61	ppb
Calcium	43-1	556.07	557.24	572.05	561.79	1.59	ppb
Calcium	44-1	552.12	561.53	550.66	554.77	1.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.89	1.90	1.89	1.89	0.47	ppb
Cobalt	59-2	1.09	1.10	1.08	1.09	0.53	ppb
Copper	63-2	2.10	2.11	2.14	2.11	1.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				101		%
Iron	56-2	57.44	56.96	57.37	57.26	0.45	ppb
Iron	57-2	62.29	57.10	62.79	60.72	5.19	ppb
Iron	54-2	57.51	57.44	57.40	57.45	0.10	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S02 Instrumnet Name : P7
Client Sample ID : S02 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:33:54 DataFile Name : 007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.02	0.94	1.05	1.00	5.26	ppb
Lead	207-1	0.97	0.98	1.03	0.99	3.47	ppb
Lead	208-1	0.98	0.96	1.01	0.98	2.33	ppb
Lithium	6-1				102		%
Magnesium	24-2	544.19	547.10	546.14	545.81	0.27	ppb
Manganese	55-2	1.05	1.01	1.01	1.02	2.48	ppb
Molybdenum	94-1	5.90	6.13	5.96	5.99	1.98	ppb
Molybdenum	95-1	5.23	5.16	5.10	5.16	1.30	ppb
Molybdenum	96-1	5.19	5.17	5.27	5.21	1.09	ppb
Molybdenum	97-1	5.13	5.12	5.43	5.23	3.44	ppb
Molybdenum	98-1	5.11	5.16	5.08	5.12	0.80	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.92	0.92	0.88	0.91	2.66	ppb
Phosphorus	31-2	18.90	10.82	18.26	15.99	28.10	ppb
Potassium	39-2	552.60	552.03	552.27	552.30	0.05	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	5.04	5.10	5.35	5.17	3.18	ppb
Selenium	77-2	5.59	2.89	4.20	4.23	31.98	ppb
Selenium	78-2	4.58	4.68	5.38	4.88	8.85	ppb
Silicon	28-1	0.16	0.85	1.79	0.93	87.75	ppb
Silver	107-1	1.10	1.08	1.10	1.09	1.15	ppb
Silver	109-1	1.15	1.08	1.10	1.11	3.21	ppb
Sodium	23-2	509.11	503.00	512.11	508.07	0.91	ppb
Strontium	86-1	0.97	0.95	1.05	0.99	5.33	ppb
Strontium	88-1	0.99	1.00	1.01	1.00	0.96	ppb
Sulfur	34-1	-21.43	127.45	33.06	46.36	162.49	ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	0.98	0.95	0.99	0.97	2.30	ppb
Thallium	205-1	0.95	0.93	0.95	0.94	1.38	ppb
Tin	118-1	5.33	5.29	5.51	5.37	2.20	ppb
Titanium	47-1	5.43	5.34	5.34	5.37	0.97	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S02 Instrumnet Name : P7
Client Sample ID : S02 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:33:54 DataFile Name : 007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.91	0.90	0.90	0.90	0.47	ppb
Vanadium	51-2	5.15	5.22	5.19	5.19	0.70	ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	5.59	5.54	5.69	5.61	1.39	ppb
Zirconium	90-1	1.02	1.03	1.02	1.03	0.85	ppb
Zirconium	91-1	0.99	1.03	1.01	1.01	2.22	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S03 Instrumnet Name : P7
Client Sample ID : S03 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:37:10 DataFile Name : 008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	946.96	952.28	944.81	948.02	0.41	ppb
Antimony	121-1	49.42	50.43	50.83	50.23	1.44	ppb
Arsenic	75-2	50.22	50.78	51.27	50.76	1.03	ppb
Barium	135-1	244.51	247.31	246.95	246.26	0.62	ppb
Barium	137-1	243.12	248.38	246.75	246.08	1.09	ppb
Beryllium	9-1	51.59	53.05	53.89	52.84	2.21	ppb
Bismuth	209-1				103		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	52.50	54.32	53.69	53.50	1.73	ppb
Cadmium	106-1	56.05	53.31	53.64	54.33	2.75	ppb
Cadmium	111-1	53.12	52.62	53.28	53.01	0.65	ppb
Calcium	43-1	5002.01	5184.80	5144.09	5110.30	1.88	ppb
Calcium	44-1	4815.53	5041.71	4923.10	4926.78	2.30	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50.72	50.12	50.34	50.39	0.61	ppb
Cobalt	59-2	50.57	50.72	50.53	50.60	0.19	ppb
Copper	63-2	509.55	512.87	521.51	514.64	1.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				99		%
Indium	115-1				101		%
Indium	115-2				99		%
Iron	56-2	2570.92	2598.09	2614.44	2594.48	0.85	ppb
Iron	57-2	2681.84	2623.32	2654.29	2653.15	1.10	ppb
Iron	54-2	2701.47	2692.73	2734.52	2709.57	0.81	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S03 Instrumnet Name : P7
Client Sample ID : S03 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:37:10 DataFile Name : 008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	231.91	239.00	239.05	236.65	1.74	ppb
Lead	207-1	223.90	229.21	234.42	229.17	2.29	ppb
Lead	208-1	234.08	239.55	241.03	238.22	1.54	ppb
Lithium	6-1				103		%
Magnesium	24-2	5233.80	5277.76	5271.82	5261.12	0.45	ppb
Manganese	55-2	491.72	498.20	494.85	494.93	0.65	ppb
Molybdenum	94-1	481.82	503.80	506.17	497.26	2.70	ppb
Molybdenum	95-1	482.44	496.43	496.75	491.87	1.66	ppb
Molybdenum	96-1	478.80	494.54	495.13	489.49	1.89	ppb
Molybdenum	97-1	480.05	497.43	491.01	489.50	1.79	ppb
Molybdenum	98-1	472.35	495.68	499.34	489.12	2.99	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	51.79	51.46	52.41	51.89	0.93	ppb
Phosphorus	31-2	998.07	1007.64	1014.55	1006.75	0.82	ppb
Potassium	39-2	2552.55	2470.20	2487.93	2503.56	1.73	ppb
Rhodium	103-1				101		%
Rhodium	103-2				99		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	49.07	51.36	51.12	50.52	2.49	ppb
Selenium	77-2	46.86	48.01	47.47	47.44	1.21	ppb
Selenium	78-2	53.88	50.93	50.33	51.71	3.67	ppb
Silicon	28-1	38.29	41.80	40.54	40.21	4.42	ppb
Silver	107-1	53.39	54.43	55.08	54.30	1.57	ppb
Silver	109-1	52.87	53.91	54.20	53.66	1.31	ppb
Sodium	23-2	4892.28	4821.08	4859.18	4857.51	0.73	ppb
Strontium	86-1	47.18	49.23	49.89	48.76	2.90	ppb
Strontium	88-1	47.63	48.59	49.78	48.67	2.21	ppb
Sulfur	34-1	901.61	1099.52	987.23	996.12	9.96	ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	44.40	45.42	46.56	45.46	2.37	ppb
Thallium	205-1	44.88	45.86	46.36	45.70	1.65	ppb
Tin	118-1	50.13	50.92	50.79	50.61	0.84	ppb
Titanium	47-1	478.35	497.69	489.87	488.63	1.99	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S03 Instrumnet Name : P7
Client Sample ID : S03 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:37:10 DataFile Name : 008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	41.50	42.67	43.70	42.63	2.59	ppb
Vanadium	51-2	49.99	49.30	49.39	49.56	0.76	ppb
Yttrium	89-1				101		%
Yttrium	89-2				99		%
Zinc	66-2	504.85	501.90	504.93	503.89	0.34	ppb
Zirconium	90-1	46.90	48.61	49.08	48.20	2.38	ppb
Zirconium	91-1	46.93	48.54	48.84	48.10	2.14	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S04 Instrumnet Name : P7
Client Sample ID : S04 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:40:11 DataFile Name : 009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2382.41	2394.08	2378.80	2385.10	0.33	ppb
Antimony	121-1	123.23	129.43	126.54	126.40	2.45	ppb
Arsenic	75-2	127.02	127.67	126.68	127.12	0.39	ppb
Barium	135-1	629.57	648.04	640.19	639.27	1.45	ppb
Barium	137-1	638.97	646.85	639.14	641.65	0.70	ppb
Beryllium	9-1	128.13	128.92	128.88	128.64	0.35	ppb
Bismuth	209-1				104		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	129.38	137.17	133.36	133.30	2.92	ppb
Cadmium	106-1	131.30	136.00	135.90	134.40	2.00	ppb
Cadmium	111-1	129.91	135.03	131.94	132.30	1.95	ppb
Calcium	43-1	12739.22	12958.57	13093.41	12930.40	1.38	ppb
Calcium	44-1	12215.65	12418.35	12539.65	12391.22	1.32	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	124.55	126.12	124.48	125.05	0.74	ppb
Cobalt	59-2	126.09	126.58	125.01	125.89	0.64	ppb
Copper	63-2	1273.02	1297.36	1283.43	1284.60	0.95	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	56-2	6466.19	6544.32	6526.05	6512.18	0.63	ppb
Iron	57-2	6591.65	6659.95	6577.70	6609.77	0.67	ppb
Iron	54-2	6598.74	6574.29	6587.42	6586.82	0.19	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S04 Instrumnet Name : P7
Client Sample ID : S04 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:40:11 DataFile Name : 009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	602.71	617.56	612.42	610.90	1.23	ppb
Lead	207-1	602.00	623.71	601.48	609.06	2.08	ppb
Lead	208-1	599.74	619.50	607.38	608.87	1.64	ppb
Lithium	6-1				107		%
Magnesium	24-2	13141.04	13261.41	13164.80	13189.09	0.48	ppb
Manganese	55-2	1242.75	1250.61	1246.62	1246.66	0.31	ppb
Molybdenum	94-1	1232.00	1267.95	1257.86	1252.60	1.48	ppb
Molybdenum	95-1	1220.13	1249.73	1238.02	1235.96	1.21	ppb
Molybdenum	96-1	1211.42	1243.38	1236.25	1230.35	1.36	ppb
Molybdenum	97-1	1214.20	1262.10	1236.82	1237.71	1.94	ppb
Molybdenum	98-1	1220.23	1250.92	1239.80	1236.98	1.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	127.36	128.03	126.06	127.15	0.79	ppb
Phosphorus	31-2	2530.50	2621.37	2521.83	2557.90	2.16	ppb
Potassium	39-2	6136.73	6234.40	6203.10	6191.41	0.81	ppb
Rhodium	103-1				98		%
Rhodium	103-2				95		%
Scandium	45-1				98		%
Scandium	45-2				96		%
Selenium	82-1	126.82	129.53	128.47	128.27	1.06	ppb
Selenium	77-2	129.57	133.74	132.89	132.06	1.67	ppb
Selenium	78-2	131.24	130.07	129.97	130.42	0.54	ppb
Silicon	28-1	99.37	99.83	99.11	99.44	0.37	ppb
Silver	107-1	133.54	138.59	133.86	135.33	2.09	ppb
Silver	109-1	131.02	135.82	133.38	133.41	1.80	ppb
Sodium	23-2	12440.87	12556.54	12490.32	12495.91	0.46	ppb
Strontium	86-1	119.25	124.55	123.80	122.53	2.34	ppb
Strontium	88-1	123.42	123.86	125.53	124.27	0.90	ppb
Sulfur	34-1	2369.12	2461.80	2517.24	2449.39	3.06	ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	113.73	117.55	115.58	115.62	1.65	ppb
Thallium	205-1	122.07	124.49	121.05	122.54	1.44	ppb
Tin	118-1	124.46	129.11	127.07	126.88	1.83	ppb
Titanium	47-1	1203.46	1277.83	1252.87	1244.72	3.04	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S04 Instrumnet Name : P7
Client Sample ID : S04 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:40:11 DataFile Name : 009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	113.51	119.88	117.04	116.81	2.73	ppb
Vanadium	51-2	123.24	124.42	124.30	123.98	0.52	ppb
Yttrium	89-1				99		%
Yttrium	89-2				96		%
Zinc	66-2	1251.98	1264.80	1256.29	1257.69	0.52	ppb
Zirconium	90-1	120.66	124.07	124.59	123.11	1.74	ppb
Zirconium	91-1	119.17	123.55	123.31	122.01	2.02	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S05 Instrumnet Name : P7
Client Sample ID : S05 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:43:04 DataFile Name : 010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4815.71	4846.93	4977.33	4879.99	1.76	ppb
Antimony	121-1	254.10	250.45	252.08	252.21	0.72	ppb
Arsenic	75-2	251.32	244.75	249.95	248.68	1.39	ppb
Barium	135-1	1259.71	1260.34	1262.35	1260.80	0.11	ppb
Barium	137-1	1263.63	1251.66	1247.98	1254.42	0.65	ppb
Beryllium	9-1	253.13	242.81	249.77	248.57	2.12	ppb
Bismuth	209-1				104		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	255.44	257.39	254.80	255.88	0.53	ppb
Cadmium	106-1	260.53	252.27	249.19	254.00	2.31	ppb
Cadmium	111-1	256.44	253.53	252.28	254.09	0.84	ppb
Calcium	43-1	25881.82	25766.79	26065.20	25904.60	0.58	ppb
Calcium	44-1	24615.12	24733.42	25010.83	24786.46	0.82	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	245.51	248.81	246.64	246.99	0.68	ppb
Cobalt	59-2	246.65	249.93	250.65	249.08	0.86	ppb
Copper	63-2	2513.26	2534.16	2495.29	2514.24	0.77	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				98		%
Indium	115-1				95		%
Indium	115-2				90		%
Iron	56-2	12931.17	13032.14	12971.55	12978.29	0.39	ppb
Iron	57-2	13133.56	13285.40	13159.46	13192.81	0.62	ppb
Iron	54-2	13215.81	12916.89	13242.96	13125.22	1.38	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S05 Instrumnet Name : P7
Client Sample ID : S05 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:43:04 DataFile Name : 010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1205.27	1239.38	1218.31	1220.99	1.41	ppb
Lead	207-1	1208.34	1228.95	1223.57	1220.28	0.88	ppb
Lead	208-1	1211.33	1235.59	1222.07	1223.00	0.99	ppb
Lithium	6-1				110		%
Magnesium	24-2	26600.13	26603.07	26717.57	26640.25	0.25	ppb
Manganese	55-2	2474.20	2474.55	2502.45	2483.73	0.65	ppb
Molybdenum	94-1	2468.27	2493.50	2494.92	2485.56	0.60	ppb
Molybdenum	95-1	2452.71	2457.00	2456.51	2455.41	0.10	ppb
Molybdenum	96-1	2461.91	2473.03	2474.77	2469.90	0.28	ppb
Molybdenum	97-1	2455.56	2533.10	2468.10	2485.59	1.67	ppb
Molybdenum	98-1	2434.43	2499.35	2447.99	2460.59	1.39	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	247.62	249.40	250.48	249.17	0.58	ppb
Phosphorus	31-2	4947.01	4954.13	5078.24	4993.13	1.48	ppb
Potassium	39-2	12255.26	12366.10	12317.11	12312.82	0.45	ppb
Rhodium	103-1				92		%
Rhodium	103-2				89		%
Scandium	45-1				91		%
Scandium	45-2				89		%
Selenium	82-1	249.14	254.60	252.21	251.98	1.09	ppb
Selenium	77-2	258.12	247.29	263.56	256.32	3.23	ppb
Selenium	78-2	253.78	253.85	253.75	253.79	0.02	ppb
Silicon	28-1	198.90	199.58	201.12	199.86	0.57	ppb
Silver	107-1	265.67	258.39	260.53	261.53	1.43	ppb
Silver	109-1	263.51	259.41	257.90	260.27	1.12	ppb
Sodium	23-2	25174.01	25327.75	25227.89	25243.21	0.31	ppb
Strontium	86-1	244.05	246.59	247.50	246.05	0.73	ppb
Strontium	88-1	248.19	250.54	248.89	249.20	0.48	ppb
Sulfur	34-1	4808.68	4780.20	4850.68	4813.19	0.74	ppb
Terbium	159-1				100		%
Terbium	159-2				97		%
Thallium	203-1	237.86	247.47	243.44	242.92	1.99	ppb
Thallium	205-1	240.22	246.42	245.03	243.89	1.33	ppb
Tin	118-1	250.21	252.93	250.43	251.19	0.60	ppb
Titanium	47-1	2464.67	2448.35	2425.00	2446.00	0.82	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S05 Instrumnet Name : P7
Client Sample ID : S05 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:43:04 DataFile Name : 010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	235.01	235.14	240.39	236.85	1.30	ppb
Vanadium	51-2	243.45	245.53	245.45	244.81	0.48	ppb
Yttrium	89-1				94		%
Yttrium	89-2				90		%
Zinc	66-2	2534.60	2562.70	2507.61	2534.97	1.09	ppb
Zirconium	90-1	244.76	247.41	247.13	246.43	0.59	ppb
Zirconium	91-1	241.13	244.02	240.95	242.03	0.71	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S06 Instrumnet Name : P7
Client Sample ID : S06 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:45:50 DataFile Name : 011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9581.23	9846.91	9676.19	9701.44	1.39	ppb
Antimony	121-1	502.89	500.32	504.93	502.72	0.46	ppb
Arsenic	75-2	500.10	504.22	500.64	501.65	0.45	ppb
Barium	135-1	2503.12	2478.36	2512.99	2498.16	0.71	ppb
Barium	137-1	2512.97	2466.44	2525.08	2501.50	1.24	ppb
Beryllium	9-1	483.53	484.85	494.64	487.67	1.24	ppb
Bismuth	209-1				105		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	502.11	500.38	506.15	502.88	0.59	ppb
Cadmium	106-1	506.86	501.17	506.50	504.84	0.63	ppb
Cadmium	111-1	500.61	498.25	501.95	500.27	0.38	ppb
Calcium	43-1	49086.13	51122.68	50827.84	50345.55	2.19	ppb
Calcium	44-1	49071.40	49908.92	49934.72	49638.35	0.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	508.41	502.45	491.26	500.71	1.74	ppb
Cobalt	59-2	502.82	506.16	494.51	501.16	1.20	ppb
Copper	63-2	4997.72	5026.56	4969.44	4997.91	0.57	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				100		%
Indium	115-1				93		%
Indium	115-2				90		%
Iron	56-2	26147.60	25754.12	26026.75	25976.16	0.78	ppb
Iron	57-2	25877.36	25644.93	25799.62	25773.97	0.46	ppb
Iron	54-2	26110.22	26236.14	26335.39	26227.25	0.43	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S06 Instrumnet Name : P7
Client Sample ID : S06 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:45:50 DataFile Name : 011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2436.05	2464.88	2495.57	2465.50	1.21	ppb
Lead	207-1	2421.90	2489.92	2477.14	2462.99	1.47	ppb
Lead	208-1	2438.11	2477.10	2481.58	2465.60	0.97	ppb
Lithium	6-1				112		%
Magnesium	24-2	52515.35	53596.11	52410.16	52840.54	1.24	ppb
Manganese	55-2	5003.40	4943.91	5003.15	4983.49	0.69	ppb
Molybdenum	94-1	4953.59	4941.12	4966.36	4953.69	0.25	ppb
Molybdenum	95-1	4953.87	4932.95	4980.94	4955.92	0.49	ppb
Molybdenum	96-1	4958.85	4955.94	5015.92	4976.90	0.68	ppb
Molybdenum	97-1	4955.43	4990.68	4990.62	4978.91	0.41	ppb
Molybdenum	98-1	4942.91	4963.80	5027.14	4977.95	0.88	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	493.06	494.41	490.87	492.78	0.36	ppb
Phosphorus	31-2	9864.85	9940.99	9908.54	9904.79	0.39	ppb
Potassium	39-2	24796.50	24701.66	24640.19	24712.78	0.32	ppb
Rhodium	103-1				89		%
Rhodium	103-2				89		%
Scandium	45-1				88		%
Scandium	45-2				89		%
Selenium	82-1	504.68	503.56	504.78	504.34	0.13	ppb
Selenium	77-2	504.68	516.18	495.58	505.48	2.04	ppb
Selenium	78-2	501.88	508.18	497.73	502.59	1.05	ppb
Silicon	28-1	392.13	399.07	404.65	398.62	1.57	ppb
Silver	107-1	504.22	500.46	513.86	506.18	1.37	ppb
Silver	109-1	500.77	504.28	508.14	504.39	0.73	ppb
Sodium	23-2	50418.81	51158.26	49964.00	50513.69	1.19	ppb
Strontium	86-1	503.03	493.54	498.48	498.35	0.95	ppb
Strontium	88-1	499.23	497.97	502.35	499.85	0.45	ppb
Sulfur	34-1	9578.24	9756.17	9833.23	9722.55	1.35	ppb
Terbium	159-1				101		%
Terbium	159-2				98		%
Thallium	203-1	485.09	496.72	495.75	492.52	1.31	ppb
Thallium	205-1	485.49	493.38	497.56	492.14	1.25	ppb
Tin	118-1	496.88	499.24	500.38	498.84	0.36	ppb
Titanium	47-1	4902.40	4947.09	4978.73	4942.74	0.78	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S06 Instrumnet Name : P7
Client Sample ID : S06 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:45:50 DataFile Name : 011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	485.61	498.25	492.59	492.15	1.29	ppb
Vanadium	51-2	494.70	497.90	493.76	495.46	0.44	ppb
Yttrium	89-1				92		%
Yttrium	89-2				90		%
Zinc	66-2	5032.01	5062.54	5031.19	5041.91	0.35	ppb
Zirconium	90-1	496.82	496.57	497.06	496.82	0.05	ppb
Zirconium	91-1	492.24	487.06	502.50	493.93	1.59	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S07 Instrumnet Name : P7
Client Sample ID : S07 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:48:36 DataFile Name : 012CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19441.44	19828.59	19677.28	19649.11	0.99	ppb
Antimony	121-1	987.26	997.84	1008.61	997.90	1.07	ppb
Arsenic	75-2	1015.90	993.80	987.90	999.20	1.48	ppb
Barium	135-1	4957.31	4962.01	5070.55	4996.62	1.28	ppb
Barium	137-1	4935.66	4982.07	5071.05	4996.26	1.38	ppb
Beryllium	9-1	1024.49	1014.72	978.57	1005.93	2.40	ppb
Bismuth	209-1				105		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	984.13	999.14	1004.36	995.88	1.05	ppb
Cadmium	106-1	979.86	994.53	1011.17	995.19	1.57	ppb
Cadmium	111-1	984.73	1006.28	1002.33	997.78	1.15	ppb
Calcium	43-1	102671.62	102742.45	102903.74	102772.60	0.12	ppb
Calcium	44-1	100726.73	101910.50	102071.26	101569.50	0.72	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	987.70	1014.44	998.98	1000.37	1.34	ppb
Cobalt	59-2	993.67	1005.22	999.62	999.51	0.58	ppb
Copper	63-2	9939.26	10009.35	10028.67	9992.43	0.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				101		%
Indium	115-1				92		%
Indium	115-2				89		%
Iron	56-2	52207.25	52600.47	52616.31	52474.68	0.44	ppb
Iron	57-2	51955.34	52013.47	51929.38	51966.06	0.08	ppb
Iron	54-2	53135.49	52780.20	53207.85	53041.18	0.43	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S07 Instrumnet Name : P7
Client Sample ID : S07 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:48:36 DataFile Name : 012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5027.98	5048.72	5004.09	5026.93	0.44	ppb
Lead	207-1	4979.54	5078.62	5028.75	5028.97	0.99	ppb
Lead	208-1	4982.69	5064.83	5032.15	5026.56	0.82	ppb
Lithium	6-1				110		%
Magnesium	24-2	105132.00	106238.82	106308.01	105892.94	0.62	ppb
Manganese	55-2	10035.68	10018.56	9984.74	10012.99	0.26	ppb
Molybdenum	94-1	9932.76	10076.39	10070.58	10026.58	0.81	ppb
Molybdenum	95-1	9937.05	9999.58	10169.42	10035.35	1.20	ppb
Molybdenum	96-1	9873.04	10033.32	10159.80	10022.05	1.43	ppb
Molybdenum	97-1	9817.96	10052.65	10178.02	10016.21	1.82	ppb
Molybdenum	98-1	9821.32	10095.19	10152.64	10023.05	1.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	998.43	999.27	1012.65	1003.45	0.80	ppb
Phosphorus	31-2	20122.64	20001.21	20001.39	20041.75	0.35	ppb
Potassium	39-2	49837.59	49465.97	49936.30	49746.62	0.50	ppb
Rhodium	103-1				89		%
Rhodium	103-2				88		%
Scandium	45-1				88		%
Scandium	45-2				90		%
Selenium	82-1	978.11	999.24	1013.34	996.90	1.78	ppb
Selenium	77-2	1012.93	992.73	979.12	994.93	1.71	ppb
Selenium	78-2	1011.44	987.26	992.27	996.99	1.28	ppb
Silicon	28-1	1061.60	1070.07	1069.34	1067.00	0.44	ppb
Silver	107-1	984.53	995.29	997.74	992.52	0.71	ppb
Silver	109-1	988.18	987.46	1006.36	994.00	1.08	ppb
Sodium	23-2	100800.89	101635.47	102128.73	101521.70	0.66	ppb
Strontium	86-1	994.92	1000.35	1011.28	1002.18	0.83	ppb
Strontium	88-1	988.49	995.98	1016.82	1000.43	1.47	ppb
Sulfur	34-1	19851.96	20243.33	20480.56	20191.95	1.57	ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	1001.05	1016.22	1003.46	1006.91	0.81	ppb
Thallium	205-1	1005.08	1005.41	1007.44	1005.98	0.13	ppb
Tin	118-1	995.87	992.12	1012.07	1000.02	1.06	ppb
Titanium	47-1	9915.01	10050.73	10164.33	10043.36	1.24	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S07 Instrumnet Name : P7
Client Sample ID : S07 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:48:36 DataFile Name : 012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1002.58	1005.73	1017.50	1008.60	0.78	ppb
Vanadium	51-2	995.68	1006.33	1009.14	1003.72	0.71	ppb
Yttrium	89-1				93		%
Yttrium	89-2				92		%
Zinc	66-2	10001.11	9949.38	9956.95	9969.15	0.28	ppb
Zirconium	90-1	986.79	1014.68	1006.96	1002.81	1.44	ppb
Zirconium	91-1	993.67	1015.39	1007.42	1005.49	1.09	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S08 Instrumnet Name : P7
Client Sample ID : S08 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:51:19 DataFile Name : 013CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	99099.63	100558.69	100669.96	100109.43	0.88	ppb
Antimony	121-1	0.96	0.99	0.85	0.93	8.21	ppb
Arsenic	75-2	0.67	0.59	0.73	0.66	9.99	ppb
Barium	135-1	3.08	3.12	2.51	2.90	11.85	ppb
Barium	137-1	3.15	3.10	2.58	2.94	10.80	ppb
Beryllium	9-1	0.43	0.45	0.31	0.40	19.27	ppb
Bismuth	209-1				92		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.54	0.48	0.42	0.48	11.62	ppb
Cadmium	106-1	-1.17	-0.80	-1.67	-1.21		ppb
Cadmium	111-1	0.33	0.39	0.25	0.33	21.19	ppb
Calcium	43-1	497262.44	503391.84	497407.03	499353.77	0.70	ppb
Calcium	44-1	497891.44	505587.43	495730.15	499736.34	1.04	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.94	2.44	2.35	2.24	11.98	ppb
Cobalt	59-2	2.67	2.74	2.80	2.74	2.50	ppb
Copper	63-2	2.32	2.30	2.25	2.29	1.47	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				97		%
Indium	115-1				88		%
Indium	115-2				88		%
Iron	56-2	248994.64	250374.51	248758.95	249376.03	0.35	ppb
Iron	57-2	247412.26	251530.30	249510.11	249484.22	0.83	ppb
Iron	54-2	247156.35	248297.02	252228.42	249227.26	1.07	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S08 Instrumnet Name : P7
Client Sample ID : S08 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:51:19 DataFile Name : 013CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.56	2.33	1.97	2.29	12.87	ppb
Lead	207-1	2.49	2.26	1.95	2.23	12.06	ppb
Lead	208-1	2.53	2.26	1.97	2.25	12.44	ppb
Lithium	6-1				104		%
Magnesium	24-2	498862.46	497705.87	498738.06	498435.46	0.13	ppb
Manganese	55-2	5.08	4.99	4.87	4.98	2.03	ppb
Molybdenum	94-1	4.47	4.06	3.37	3.97	14.11	ppb
Molybdenum	95-1	3.80	5.24	2.48	3.84	36.04	ppb
Molybdenum	96-1	5.55	8.59	4.18	6.11	36.93	ppb
Molybdenum	97-1	3.80	7.02	2.49	4.44	52.55	ppb
Molybdenum	98-1	3.72	6.01	2.30	4.01	46.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.78	4.83	4.57	4.73	2.87	ppb
Phosphorus	31-2	-5.42	2.41	-3.95	-2.32		ppb
Potassium	39-2	249230.51	250828.92	250210.81	250090.08	0.32	ppb
Rhodium	103-1				82		%
Rhodium	103-2				82		%
Scandium	45-1				88		%
Scandium	45-2				92		%
Selenium	82-1	1.51	1.37	1.68	1.52	9.96	ppb
Selenium	77-2	0.46	0.46	-0.04	0.29	97.67	ppb
Selenium	78-2	-0.64	-1.72	-0.86	-1.07		ppb
Silicon	28-1	-23.93	-23.06	-23.65	-23.55		ppb
Silver	107-1	0.37	0.56	0.25	0.39	40.11	ppb
Silver	109-1	0.36	0.46	0.23	0.35	33.14	ppb
Sodium	23-2	498973.56	499724.22	500203.18	499633.65	0.12	ppb
Strontium	86-1	2.98	2.92	2.81	2.90	2.98	ppb
Strontium	88-1	2.98	2.89	2.84	2.90	2.36	ppb
Sulfur	34-1	-708.13	-480.14	-443.41	-543.90		ppb
Terbium	159-1				97		%
Terbium	159-2				96		%
Thallium	203-1	0.33	0.30	0.21	0.28	23.67	ppb
Thallium	205-1	0.33	0.27	0.20	0.27	23.71	ppb
Tin	118-1	0.42	0.46	0.32	0.40	17.35	ppb
Titanium	47-1	3.33	2.80	2.36	2.83	17.18	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S08 Instrumnet Name : P7
Client Sample ID : S08 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:51:19 DataFile Name : 013CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.31	0.25	0.18	0.25	27.32	ppb
Vanadium	51-2	0.25	0.24	0.23	0.24	3.25	ppb
Yttrium	89-1				90		%
Yttrium	89-2				92		%
Zinc	66-2	13.73	14.25	13.44	13.81	2.96	ppb
Zirconium	90-1	0.79	0.73	0.66	0.73	8.82	ppb
Zirconium	91-1	0.82	0.75	0.69	0.75	8.50	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICV001 Instrumnet Name : P7
Client Sample ID : ICV001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:26:15 DataFile Name : 016ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	462.02	462.80	455.06	459.96	0.93	ppb
Antimony	121-1	193.52	199.15	198.04	196.90	1.52	ppb
Arsenic	75-2	199.64	202.05	198.92	200.20	0.82	ppb
Barium	135-1	97.61	99.52	98.15	98.43	1.00	ppb
Barium	137-1	98.56	99.16	97.97	98.56	0.61	ppb
Beryllium	9-1	93.93	96.37	97.78	96.03	2.03	ppb
Bismuth	209-1				108		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	152.42	152.67	155.27	153.46	1.03	ppb
Cadmium	106-1	156.20	164.83	161.41	160.81	2.70	ppb
Cadmium	111-1	102.37	104.33	103.29	103.33	0.95	ppb
Calcium	43-1	2215.16	2216.78	2264.05	2232.00	1.24	ppb
Calcium	44-1	2095.19	2086.90	2117.44	2099.85	0.75	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	97.90	97.89	96.92	97.57	0.57	ppb
Cobalt	59-2	98.64	97.90	97.59	98.05	0.55	ppb
Copper	63-2	101.60	101.96	101.39	101.65	0.29	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				101		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	56-2	2064.52	2067.34	2042.07	2057.97	0.67	ppb
Iron	57-2	2092.45	2086.12	2068.44	2082.34	0.60	ppb
Iron	54-2	2189.82	2183.87	2161.49	2178.39	0.69	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICV001 Instrumnet Name : P7
Client Sample ID : ICV001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:26:15 DataFile Name : 016ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	191.78	192.48	192.26	192.17	0.19	ppb
Lead	207-1	179.81	180.11	182.86	180.92	0.93	ppb
Lead	208-1	191.78	189.74	192.00	191.17	0.65	ppb
Lithium	6-1				114		%
Magnesium	24-2	1161.88	1169.69	1152.43	1161.33	0.74	ppb
Manganese	55-2	98.34	98.07	97.69	98.03	0.33	ppb
Molybdenum	94-1	4804.82	4745.24	4809.63	4786.57	0.75	ppb
Molybdenum	95-1	4754.36	4655.15	4708.95	4706.15	1.06	ppb
Molybdenum	96-1	4752.37	4698.57	4742.90	4731.28	0.61	ppb
Molybdenum	97-1	4718.43	4712.21	4766.91	4732.52	0.63	ppb
Molybdenum	98-1	4725.86	4687.96	4773.30	4729.04	0.90	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	99.89	100.13	100.95	100.32	0.55	ppb
Phosphorus	31-2	-15.86	-23.58	-18.69	-19.38		ppb
Potassium	39-2	1972.23	1952.32	1939.09	1954.55	0.85	ppb
Rhodium	103-1				96		%
Rhodium	103-2				94		%
Scandium	45-1				93		%
Scandium	45-2				94		%
Selenium	82-1	201.32	201.31	203.75	202.13	0.70	ppb
Selenium	77-2	199.98	201.50	205.21	202.23	1.33	ppb
Selenium	78-2	200.62	207.01	204.28	203.97	1.57	ppb
Silicon	28-1	92.55	92.91	96.98	94.15	2.61	ppb
Silver	107-1	48.02	49.39	48.99	48.80	1.45	ppb
Silver	109-1	47.41	48.62	48.38	48.14	1.34	ppb
Sodium	23-2	1951.90	1953.18	1972.69	1959.26	0.59	ppb
Strontium	86-1	478.18	478.30	481.69	479.39	0.42	ppb
Strontium	88-1	482.20	474.87	480.81	479.30	0.81	ppb
Sulfur	34-1	-563.56	-627.28	-636.60	-609.15		ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	191.94	190.42	192.54	191.63	0.57	ppb
Thallium	205-1	192.27	192.79	191.20	192.09	0.42	ppb
Tin	118-1	518.78	532.55	530.59	527.31	1.41	ppb
Titanium	47-1	4662.26	4698.06	4737.52	4699.28	0.80	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICV001 Instrumnet Name : P7
Client Sample ID : ICV001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:26:15 DataFile Name : 016ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	493.65	482.04	486.60	487.43	1.20	ppb
Vanadium	51-2	94.44	93.63	93.40	93.82	0.58	ppb
Yttrium	89-1				96		%
Yttrium	89-2				93		%
Zinc	66-2	198.50	197.96	196.68	197.71	0.47	ppb
Zirconium	90-1	497.80	499.66	504.83	500.77	0.73	ppb
Zirconium	91-1	504.47	498.18	497.00	499.88	0.80	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICB001 Instrumnet Name : P7
Client Sample ID : ICB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:32:30 DataFile Name : 018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.42	0.23	0.32	0.32	29.77	ppb
Antimony	121-1	0.02	0.02	0.02	0.02	8.34	ppb
Arsenic	75-2	0.01	0.00	-0.01	0.00	623.68	ppb
Barium	135-1	-0.01	-0.01	0.00	0.00		ppb
Barium	137-1	0.00	0.00	0.00	0.00	147.14	ppb
Beryllium	9-1	0.01	0.04	0.03	0.02	54.35	ppb
Bismuth	209-1				107		%
Bismuth	209-2				103		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.06	-0.02	-0.04	-0.04		ppb
Cadmium	106-1	-2.35	-2.04	-2.32	-2.24		ppb
Cadmium	111-1	-0.04	-0.04	-0.05	-0.05		ppb
Calcium	43-1	6.62	6.98	1.74	5.11	57.17	ppb
Calcium	44-1	3.21	3.49	3.31	3.33	4.26	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.24	-0.23	-0.23	-0.24		ppb
Cobalt	59-2	0.07	-0.01	-0.01	0.02	257.55	ppb
Copper	63-2	0.15	-0.17	-0.15	-0.06		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				100		%
Indium	115-1				97		%
Indium	115-2				95		%
Iron	56-2	4.03	-1.73	-1.68	0.21	1575.46	ppb
Iron	57-2	4.36	-4.19	-3.66	-1.16		ppb
Iron	54-2	-1.50	-2.04	-2.87	-2.14		ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICB001 Instrumnet Name : P7
Client Sample ID : ICB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:32:30 DataFile Name : 018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.02	0.02	0.02	9.10	ppb
Lead	207-1	0.02	0.01	0.02	0.02	39.67	ppb
Lead	208-1	0.02	0.02	0.02	0.02	13.03	ppb
Lithium	6-1				113		%
Magnesium	24-2	1.04	-0.20	-0.23	0.21	351.92	ppb
Manganese	55-2	-0.01	-0.02	-0.03	-0.02		ppb
Molybdenum	94-1	0.02	0.00	0.03	0.02	87.26	ppb
Molybdenum	95-1	0.03	0.02	0.01	0.02	65.86	ppb
Molybdenum	96-1	0.03	0.02	0.01	0.02	36.73	ppb
Molybdenum	97-1	0.01	0.00	0.00	0.00	37.49	ppb
Molybdenum	98-1	0.02	0.01	0.01	0.01	23.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.10	-0.17	-0.17	-0.14		ppb
Phosphorus	31-2	-19.85	-23.41	-19.54	-20.93		ppb
Potassium	39-2	-10.59	-12.27	-10.24	-11.03		ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				93		%
Scandium	45-2				93		%
Selenium	82-1	-0.27	-0.24	0.07	-0.15		ppb
Selenium	77-2	-0.20	-0.20	-0.20	-0.20		ppb
Selenium	78-2	-1.54	-0.63	-0.73	-0.97		ppb
Silicon	28-1	-26.57	-26.51	-26.51	-26.53		ppb
Silver	107-1	0.00	0.01	0.01	0.01	41.11	ppb
Silver	109-1	0.01	0.01	0.01	0.01	8.58	ppb
Sodium	23-2	11.62	10.63	10.02	10.76	7.52	ppb
Strontium	86-1	-0.02	-0.01	-0.03	-0.02		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	26.18	ppb
Sulfur	34-1	-479.31	-359.31	-431.83	-423.49		ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	0.01	0.00	0.01	0.01	25.36	ppb
Thallium	205-1	0.01	0.01	0.00	0.01	25.68	ppb
Tin	118-1	0.06	0.05	0.06	0.06	7.85	ppb
Titanium	47-1	0.02	0.02	0.03	0.02	28.06	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICB001 Instrumnet Name : P7
Client Sample ID : ICB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:32:30 DataFile Name : 018CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	52.57	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	152.47	ppb
Yttrium	89-1				95		%
Yttrium	89-2				94		%
Zinc	66-2	0.45	0.24	0.30	0.33	32.73	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	28.51	ppb
Zirconium	91-1	0.01	0.02	0.01	0.01	57.21	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICSA001 Instrumnet Name : P7
Client Sample ID : ICSA001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:35:49 DataFile Name : 019ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	92890.22	91612.37	92038.34	92180.31	0.71	ppb
Antimony	121-1	1.03	1.08	1.07	1.06	2.67	ppb
Arsenic	75-2	0.32	0.24	0.29	0.28	14.70	ppb
Barium	135-1	1.37	1.41	1.33	1.37	2.79	ppb
Barium	137-1	1.44	1.44	1.36	1.41	3.31	ppb
Beryllium	9-1	0.23	0.31	0.25	0.26	15.30	ppb
Bismuth	209-1				104		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	8.79	8.83	8.62	8.75	1.23	ppb
Cadmium	106-1	-4.06	-3.35	-3.46	-3.63		ppb
Cadmium	111-1	0.30	0.34	0.30	0.31	8.06	ppb
Calcium	43-1	99054.52	101532.82	103026.27	101204.53	1.98	ppb
Calcium	44-1	98048.75	100379.99	101037.19	99821.97	1.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.51	19.47	19.04	19.34	1.35	ppb
Cobalt	59-2	1.26	1.24	1.28	1.26	1.76	ppb
Copper	63-2	7.42	7.32	7.44	7.39	0.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				102		%
Indium	115-1				95		%
Indium	115-2				93		%
Iron	56-2	108019.41	105504.29	105429.88	106317.86	1.39	ppb
Iron	57-2	105139.04	105711.38	104035.98	104962.13	0.81	ppb
Iron	54-2	106679.38	104489.76	104700.21	105289.79	1.15	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICSA001 Instrumnet Name : P7
Client Sample ID : ICSA001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:35:49 DataFile Name : 019ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5.03	4.79	4.73	4.85	3.25	ppb
Lead	207-1	4.51	4.29	4.20	4.33	3.76	ppb
Lead	208-1	4.64	4.45	4.38	4.49	3.08	ppb
Lithium	6-1				113		%
Magnesium	24-2	101517.17	100071.30	98623.34	100070.60	1.45	ppb
Manganese	55-2	7.99	7.84	7.76	7.86	1.50	ppb
Molybdenum	94-1	1603.09	1598.43	1602.23	1601.25	0.15	ppb
Molybdenum	95-1	1933.59	1936.13	1952.65	1940.79	0.53	ppb
Molybdenum	96-1	1914.51	1928.58	1912.26	1918.45	0.46	ppb
Molybdenum	97-1	1954.98	1946.59	1964.16	1955.25	0.45	ppb
Molybdenum	98-1	1955.21	1972.75	1963.11	1963.69	0.45	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.12	5.17	5.08	5.12	0.85	ppb
Phosphorus	31-2	104261.10	102201.00	99730.15	102064.08	2.22	ppb
Potassium	39-2	101290.87	98938.35	99522.73	99917.32	1.23	ppb
Rhodium	103-1				91		%
Rhodium	103-2				91		%
Scandium	45-1				92		%
Scandium	45-2				93		%
Selenium	82-1	0.22	-0.27	0.04	0.00		ppb
Selenium	77-2	-0.04	-0.04	-0.04	-0.04		ppb
Selenium	78-2	-0.18	-0.64	-1.29	-0.70		ppb
Silicon	28-1	-25.76	-25.09	-24.79	-25.21		ppb
Silver	107-1	0.06	0.03	0.03	0.04	33.26	ppb
Silver	109-1	0.06	0.04	0.03	0.04	28.00	ppb
Sodium	23-2	102019.45	101645.07	101103.32	101589.28	0.45	ppb
Strontium	86-1	32.17	32.62	32.14	32.31	0.83	ppb
Strontium	88-1	31.85	32.17	32.10	32.04	0.52	ppb
Sulfur	34-1	103708.91	107769.42	106235.93	105904.75	1.94	ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.10	0.09	0.11	0.10	8.51	ppb
Thallium	205-1	0.09	0.10	0.10	0.10	9.77	ppb
Tin	118-1	0.28	0.31	0.27	0.29	6.10	ppb
Titanium	47-1	1982.44	2030.48	2033.76	2015.56	1.43	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICSA001 Instrumnet Name : P7
Client Sample ID : ICSA001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:35:49 DataFile Name : 019ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.01	0.02	0.02	16.59	ppb
Vanadium	51-2	0.19	0.18	0.20	0.19	5.99	ppb
Yttrium	89-1				95		%
Yttrium	89-2				94		%
Zinc	66-2	11.50	10.81	11.11	11.14	3.10	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	15.18	ppb
Zirconium	91-1	0.03	0.02	0.03	0.02	31.89	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICSAB001 Instrumnet Name : P7
Client Sample ID : ICSAB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:38:50 DataFile Name : 020ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	91878.39	92601.70	91929.86	92136.65	0.44	ppb
Antimony	121-1	20.79	20.92	20.42	20.71	1.26	ppb
Arsenic	75-2	20.52	20.65	20.51	20.56	0.38	ppb
Barium	135-1	21.42	21.17	21.22	21.27	0.61	ppb
Barium	137-1	21.60	21.47	21.48	21.52	0.34	ppb
Beryllium	9-1	20.11	19.36	20.34	19.94	2.55	ppb
Bismuth	209-1				106		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	26.39	26.13	25.42	25.98	1.93	ppb
Cadmium	106-1	14.32	14.70	12.17	13.73	9.96	ppb
Cadmium	111-1	20.11	20.44	19.97	20.17	1.19	ppb
Calcium	43-1	101785.54	103755.91	102942.19	102827.88	0.96	ppb
Calcium	44-1	99929.30	101389.89	100692.84	100670.68	0.73	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	39.47	39.61	39.59	39.56	0.19	ppb
Cobalt	59-2	21.19	21.20	20.94	21.11	0.71	ppb
Copper	63-2	27.68	27.66	27.91	27.75	0.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				97		%
Indium	115-2				94		%
Iron	56-2	107713.75	107551.07	106629.80	107298.21	0.54	ppb
Iron	57-2	105359.40	105234.21	104285.80	104959.80	0.56	ppb
Iron	54-2	105093.45	107687.20	107047.99	106609.55	1.27	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICSAB001 Instrumnet Name : P7
Client Sample ID : ICSAB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:38:50 DataFile Name : 020ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	25.06	25.25	24.56	24.96	1.42	ppb
Lead	207-1	24.11	23.67	23.49	23.76	1.34	ppb
Lead	208-1	24.25	24.01	23.87	24.04	0.81	ppb
Lithium	6-1				113		%
Magnesium	24-2	100827.55	100082.40	101025.33	100645.09	0.49	ppb
Manganese	55-2	27.91	28.17	28.47	28.19	0.99	ppb
Molybdenum	94-1	1640.60	1638.91	1624.66	1634.72	0.54	ppb
Molybdenum	95-1	1971.45	1966.91	1966.24	1968.20	0.14	ppb
Molybdenum	96-1	1957.64	1945.60	1935.70	1946.31	0.56	ppb
Molybdenum	97-1	1995.44	1975.78	1971.87	1981.03	0.64	ppb
Molybdenum	98-1	1989.58	1958.86	1961.30	1969.91	0.87	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.69	24.68	24.28	24.55	0.96	ppb
Phosphorus	31-2	103167.67	104557.35	104832.01	104185.68	0.86	ppb
Potassium	39-2	98986.15	100710.34	99225.36	99640.62	0.94	ppb
Rhodium	103-1				92		%
Rhodium	103-2				92		%
Scandium	45-1				94		%
Scandium	45-2				95		%
Selenium	82-1	20.74	20.17	19.73	20.21	2.52	ppb
Selenium	77-2	17.06	21.55	18.17	18.92	12.35	ppb
Selenium	78-2	17.83	19.50	19.14	18.82	4.66	ppb
Silicon	28-1	-24.28	-24.70	-24.16	-24.38		ppb
Silver	107-1	19.23	19.24	19.18	19.22	0.15	ppb
Silver	109-1	19.01	18.90	18.96	18.96	0.28	ppb
Sodium	23-2	101940.42	101334.21	101642.24	101638.96	0.30	ppb
Strontium	86-1	32.71	32.40	32.63	32.58	0.49	ppb
Strontium	88-1	32.73	32.66	32.35	32.58	0.62	ppb
Sulfur	34-1	106559.59	106643.96	107522.32	106908.62	0.50	ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	19.66	19.40	19.36	19.47	0.84	ppb
Thallium	205-1	19.50	19.52	19.33	19.45	0.53	ppb
Tin	118-1	0.19	0.16	0.18	0.18	9.02	ppb
Titanium	47-1	2018.37	2020.74	2007.78	2015.63	0.34	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICSAB001 Instrumnet Name : P7
Client Sample ID : ICSAB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:38:50 DataFile Name : 020ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	14.12	ppb
Vanadium	51-2	20.07	20.04	19.66	19.92	1.15	ppb
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	31.60	31.24	31.15	31.33	0.76	ppb
Zirconium	90-1	0.03	0.02	0.02	0.02	19.21	ppb
Zirconium	91-1	0.02	0.03	0.02	0.02	22.77	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV001 Instrumnet Name : P7
Client Sample ID : CCV001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:00:44 DataFile Name : 023CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49544.58	49563.42	49409.30	49505.77	0.17	ppb
Antimony	121-1	478.50	479.82	479.75	479.36	0.15	ppb
Arsenic	75-2	475.50	474.66	474.48	474.88	0.11	ppb
Barium	135-1	2425.52	2431.15	2423.36	2426.68	0.17	ppb
Barium	137-1	2431.05	2457.54	2429.76	2439.45	0.64	ppb
Beryllium	9-1	469.78	475.58	479.00	474.79	0.98	ppb
Bismuth	209-1				104		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	465.25	479.05	475.83	473.38	1.52	ppb
Cadmium	106-1	464.26	477.25	474.78	472.10	1.46	ppb
Cadmium	111-1	460.29	462.92	461.77	461.66	0.29	ppb
Calcium	43-1	246987.53	250962.29	248388.23	248779.35	0.81	ppb
Calcium	44-1	243828.46	247762.26	245251.72	245614.15	0.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	482.68	489.17	492.08	487.98	0.99	ppb
Cobalt	59-2	475.60	477.29	477.30	476.73	0.20	ppb
Copper	63-2	4631.49	4607.35	4539.03	4592.62	1.04	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				103		%
Indium	115-1				95		%
Indium	115-2				93		%
Iron	56-2	128260.32	128032.06	126811.61	127701.33	0.61	ppb
Iron	57-2	127416.16	125693.89	125725.77	126278.61	0.78	ppb
Iron	54-2	126899.00	127031.70	127398.89	127109.86	0.20	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV001 Instrumnet Name : P7
Client Sample ID : CCV001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:00:44 DataFile Name : 023CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2401.12	2480.28	2443.34	2441.58	1.62	ppb
Lead	207-1	2411.89	2484.63	2444.90	2447.14	1.49	ppb
Lead	208-1	2434.55	2488.85	2442.84	2455.41	1.19	ppb
Lithium	6-1				114		%
Magnesium	24-2	272719.96	269787.44	268094.79	270200.73	0.87	ppb
Manganese	55-2	4844.76	4798.83	4778.84	4807.48	0.70	ppb
Molybdenum	94-1	4897.91	4960.78	4919.17	4925.96	0.65	ppb
Molybdenum	95-1	4892.34	4917.32	4863.47	4891.04	0.55	ppb
Molybdenum	96-1	4898.77	4975.10	4910.50	4928.12	0.83	ppb
Molybdenum	97-1	4912.35	4935.00	4909.34	4918.90	0.29	ppb
Molybdenum	98-1	4851.53	4988.07	4878.63	4906.07	1.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	458.20	458.13	456.29	457.54	0.24	ppb
Phosphorus	31-2	9713.30	9779.12	9825.43	9772.62	0.58	ppb
Potassium	39-2	123419.18	125004.63	122924.49	123782.77	0.88	ppb
Rhodium	103-1				90		%
Rhodium	103-2				89		%
Scandium	45-1				96		%
Scandium	45-2				95		%
Selenium	82-1	468.34	471.34	465.58	468.42	0.62	ppb
Selenium	77-2	478.60	460.61	449.66	462.96	3.16	ppb
Selenium	78-2	460.20	467.99	462.79	463.66	0.85	ppb
Silicon	28-1	389.33	399.87	396.72	395.30	1.37	ppb
Silver	107-1	469.12	477.80	471.16	472.69	0.96	ppb
Silver	109-1	470.06	471.54	473.19	471.59	0.33	ppb
Sodium	23-2	254016.81	253809.83	250635.02	252820.55	0.75	ppb
Strontium	86-1	487.44	498.27	496.09	493.93	1.16	ppb
Strontium	88-1	488.99	497.08	489.76	491.94	0.91	ppb
Sulfur	34-1	9110.07	9253.05	9205.60	9189.57	0.79	ppb
Terbium	159-1				105		%
Terbium	159-2				102		%
Thallium	203-1	485.96	496.19	485.08	489.07	1.26	ppb
Thallium	205-1	484.79	504.31	493.18	494.09	1.98	ppb
Tin	118-1	479.43	483.23	484.81	482.49	0.57	ppb
Titanium	47-1	4733.88	4828.05	4814.90	4792.28	1.06	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV001 Instrumnet Name : P7
Client Sample ID : CCV001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:00:44 DataFile Name : 023CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	492.65	514.19	508.10	504.98	2.20	ppb
Vanadium	51-2	496.00	491.90	489.74	492.55	0.65	ppb
Yttrium	89-1				97		%
Yttrium	89-2				96		%
Zinc	66-2	4546.39	4543.42	4496.43	4528.74	0.62	ppb
Zirconium	90-1	490.90	495.92	485.08	490.63	1.11	ppb
Zirconium	91-1	479.05	496.79	489.62	488.49	1.83	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB001 Instrumnet Name : P7
Client Sample ID : CCB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:03:27 DataFile Name : 024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.80	1.90	1.27	1.66	20.22	ppb
Antimony	121-1	0.24	0.19	0.14	0.19	27.90	ppb
Arsenic	75-2	0.01	0.02	0.01	0.01	49.15	ppb
Barium	135-1	0.54	0.24	0.11	0.30	75.06	ppb
Barium	137-1	0.50	0.24	0.13	0.29	65.76	ppb
Beryllium	9-1	0.18	0.11	0.09	0.13	36.26	ppb
Bismuth	209-1				111		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.07	0.13	0.00	0.07	90.48	ppb
Cadmium	106-1	-3.13	-2.93	-3.03	-3.03		ppb
Cadmium	111-1	0.05	0.00	-0.02	0.01	341.26	ppb
Calcium	43-1	64.22	32.15	19.94	38.77	58.99	ppb
Calcium	44-1	59.76	31.37	17.41	36.18	59.65	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.22	-0.21	-0.21	-0.21		ppb
Cobalt	59-2	0.01	0.00	0.00	0.00	234.95	ppb
Copper	63-2	0.10	0.09	0.01	0.07	74.08	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	5.36	5.00	4.50	4.95	8.73	ppb
Iron	57-2	2.80	2.02	1.20	2.01	39.81	ppb
Iron	54-2	5.58	4.63	5.76	5.32	11.41	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB001 Instrumnet Name : P7
Client Sample ID : CCB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:03:27 DataFile Name : 024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.55	0.33	0.20	0.36	47.95	ppb
Lead	207-1	0.56	0.30	0.19	0.35	54.23	ppb
Lead	208-1	0.56	0.31	0.19	0.35	53.11	ppb
Lithium	6-1				118		%
Magnesium	24-2	6.70	5.87	4.64	5.74	18.13	ppb
Manganese	55-2	0.17	0.11	0.11	0.13	27.65	ppb
Molybdenum	94-1	1.17	0.68	0.44	0.76	49.03	ppb
Molybdenum	95-1	1.14	0.63	0.39	0.72	53.40	ppb
Molybdenum	96-1	1.14	0.67	0.40	0.74	50.50	ppb
Molybdenum	97-1	1.14	0.67	0.37	0.73	53.97	ppb
Molybdenum	98-1	1.17	0.67	0.39	0.74	53.64	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.15	-0.18	-0.15	-0.16		ppb
Phosphorus	31-2	-22.67	-20.21	-19.39	-20.76		ppb
Potassium	39-2	0.01	0.99	-1.55	-0.19		ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				96		%
Scandium	45-2				98		%
Selenium	82-1	0.27	-0.20	0.11	0.06	420.82	ppb
Selenium	77-2	-0.05	-0.05	-0.05	-0.05		ppb
Selenium	78-2	-1.04	-2.54	-0.51	-1.36		ppb
Silicon	28-1	-27.45	-27.65	-27.42	-27.51		ppb
Silver	107-1	0.15	0.09	0.05	0.10	48.36	ppb
Silver	109-1	0.15	0.09	0.05	0.10	50.22	ppb
Sodium	23-2	74.55	70.02	66.44	70.33	5.78	ppb
Strontium	86-1	0.07	0.04	0.03	0.04	47.80	ppb
Strontium	88-1	0.11	0.06	0.03	0.06	60.91	ppb
Sulfur	34-1	-627.23	-629.37	-599.60	-618.73		ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.16	0.10	0.07	0.11	41.21	ppb
Thallium	205-1	0.14	0.09	0.07	0.10	39.79	ppb
Tin	118-1	0.17	0.12	0.09	0.12	33.17	ppb
Titanium	47-1	1.08	0.54	0.31	0.64	61.42	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB001 Instrumnet Name : P7
Client Sample ID : CCB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:03:27 DataFile Name : 024CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.10	0.05	0.03	0.06	64.00	ppb
Vanadium	51-2	0.01	0.00	0.00	0.01	58.17	ppb
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	0.51	0.26	0.30	0.36	37.59	ppb
Zirconium	90-1	0.12	0.08	0.06	0.09	39.26	ppb
Zirconium	91-1	0.13	0.07	0.05	0.09	50.91	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-01 Instrumnet Name : P7
Client Sample ID : LOD-MDL-SOIL-01-QT2- Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:10:35 DataFile Name : 026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7.23	7.05	7.20	7.16	1.35	ppb
Antimony	121-1	0.39	0.41	0.38	0.39	4.30	ppb
Arsenic	75-2	0.44	0.31	0.32	0.36	20.70	ppb
Barium	135-1	1.76	1.89	1.84	1.83	3.33	ppb
Barium	137-1	1.85	1.93	1.91	1.90	2.24	ppb
Beryllium	9-1	0.42	0.39	0.41	0.41	3.79	ppb
Bismuth	209-1				112		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.31	0.31	0.38	0.34	12.75	ppb
Cadmium	106-1	-1.98	-0.83	-1.59	-1.47		ppb
Cadmium	111-1	0.34	0.35	0.38	0.35	6.64	ppb
Calcium	43-1	182.56	196.43	188.82	189.27	3.67	ppb
Calcium	44-1	186.07	187.85	189.00	187.64	0.79	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.60	0.56	0.59	0.58	3.25	ppb
Cobalt	59-2	0.39	0.39	0.39	0.39	0.42	ppb
Copper	63-2	0.67	0.67	0.70	0.68	2.33	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	34.15	34.39	34.61	34.38	0.66	ppb
Iron	57-2	33.27	33.11	35.34	33.91	3.66	ppb
Iron	54-2	33.59	34.76	33.70	34.02	1.90	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-01 Instrumnet Name : P7
Client Sample ID : LOD-MDL-SOIL-01-QT2- Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:10:35 DataFile Name : 026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.38	0.42	0.39	0.40	5.07	ppb
Lead	207-1	0.39	0.40	0.40	0.40	1.20	ppb
Lead	208-1	0.38	0.40	0.39	0.39	2.79	ppb
Lithium	6-1				114		%
Magnesium	24-2	201.56	200.73	199.96	200.75	0.40	ppb
Manganese	55-2	0.79	0.76	0.82	0.79	3.42	ppb
Molybdenum	94-1	0.89	1.02	0.99	0.97	6.79	ppb
Molybdenum	95-1	0.36	0.40	0.41	0.39	7.44	ppb
Molybdenum	96-1	0.45	0.47	0.51	0.48	6.02	ppb
Molybdenum	97-1	0.38	0.39	0.41	0.39	3.51	ppb
Molybdenum	98-1	0.42	0.42	0.43	0.42	1.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.43	0.53	0.49	0.48	10.28	ppb
Phosphorus	31-2	-17.78	-9.03	-16.74	-14.52		ppb
Potassium	39-2	117.59	120.17	118.42	118.73	1.11	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	4.56	4.32	4.60	4.49	3.29	ppb
Selenium	77-2	3.21	4.45	3.24	3.64	19.51	ppb
Selenium	78-2	2.95	3.78	3.82	3.52	13.82	ppb
Silicon	28-1	-27.70	-26.44	-26.17	-26.77		ppb
Silver	107-1	0.41	0.39	0.42	0.41	3.67	ppb
Silver	109-1	0.41	0.40	0.40	0.40	1.13	ppb
Sodium	23-2	206.44	206.77	205.41	206.20	0.34	ppb
Strontium	86-1	0.34	0.37	0.34	0.35	4.50	ppb
Strontium	88-1	0.35	0.35	0.35	0.35	1.27	ppb
Sulfur	34-1	-470.12	-360.98	-424.93	-418.68		ppb
Terbium	159-1				107		%
Terbium	159-2				103		%
Thallium	203-1	0.36	0.34	0.36	0.36	3.58	ppb
Thallium	205-1	0.37	0.37	0.36	0.37	0.80	ppb
Tin	118-1	0.33	0.34	0.32	0.33	3.19	ppb
Titanium	47-1	0.37	0.36	0.35	0.36	1.86	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-01 Instrumnet Name : P7
Client Sample ID : LOD-MDL-SOIL-01-QT2- Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:10:35 DataFile Name : 026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.33	0.35	0.35	0.34	3.48	ppb
Vanadium	51-2	0.37	0.36	0.37	0.36	2.11	ppb
Yttrium	89-1				103		%
Yttrium	89-2				101		%
Zinc	66-2	0.71	0.68	0.88	0.76	14.76	ppb
Zirconium	90-1	0.32	0.35	0.36	0.34	5.93	ppb
Zirconium	91-1	0.34	0.38	0.39	0.37	7.82	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-02 Instrumnet Name : P7
Client Sample ID : LOQ-SOIL-02-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:16:00 DataFile Name : 027LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.52	18.89	18.73	18.38	4.07	ppb
Antimony	121-1	1.84	1.84	1.86	1.85	0.75	ppb
Arsenic	75-2	0.92	0.92	0.87	0.90	3.08	ppb
Barium	135-1	9.22	9.32	9.20	9.25	0.69	ppb
Barium	137-1	9.30	9.43	9.44	9.39	0.82	ppb
Beryllium	9-1	0.98	0.94	1.00	0.97	3.02	ppb
Bismuth	209-1				111		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.03	1.02	0.85	0.97	10.47	ppb
Cadmium	106-1	-2.05	-2.00	-3.21	-2.42		ppb
Cadmium	111-1	0.96	0.94	0.96	0.95	1.38	ppb
Calcium	43-1	482.83	493.32	494.95	490.37	1.34	ppb
Calcium	44-1	466.61	488.41	487.04	480.69	2.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.11	2.16	2.08	2.12	1.88	ppb
Cobalt	59-2	1.06	0.96	1.03	1.02	4.82	ppb
Copper	63-2	1.86	1.79	1.84	1.83	1.83	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	56-2	53.77	53.54	53.57	53.63	0.23	ppb
Iron	57-2	51.66	56.87	54.17	54.23	4.81	ppb
Iron	54-2	54.06	55.67	52.31	54.02	3.11	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-02 Instrumnet Name : P7
Client Sample ID : LOQ-SOIL-02-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:16:00 DataFile Name : 027LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.87	0.94	0.94	0.92	4.31	ppb
Lead	207-1	0.86	0.90	0.89	0.89	2.37	ppb
Lead	208-1	0.87	0.93	0.91	0.90	3.46	ppb
Lithium	6-1				113		%
Magnesium	24-2	503.76	504.88	511.05	506.56	0.77	ppb
Manganese	55-2	1.00	0.96	0.99	0.99	1.90	ppb
Molybdenum	94-1	5.37	5.48	5.50	5.45	1.21	ppb
Molybdenum	95-1	4.49	4.65	4.55	4.56	1.77	ppb
Molybdenum	96-1	4.58	4.77	4.62	4.66	2.22	ppb
Molybdenum	97-1	4.48	4.79	4.67	4.65	3.34	ppb
Molybdenum	98-1	4.43	4.62	4.60	4.55	2.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.17	1.02	1.04	1.08	7.44	ppb
Phosphorus	31-2	11.69	11.06	14.32	12.36	13.99	ppb
Potassium	39-2	486.74	488.19	489.48	488.14	0.28	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				101		%
Selenium	82-1	5.31	4.44	4.73	4.83	9.24	ppb
Selenium	77-2	4.36	5.85	3.96	4.72	21.10	ppb
Selenium	78-2	5.83	4.80	3.23	4.62	28.26	ppb
Silicon	28-1	-12.91	-24.68	-11.73	-16.44		ppb
Silver	107-1	0.94	0.96	0.96	0.95	0.65	ppb
Silver	109-1	0.94	0.97	0.98	0.97	2.05	ppb
Sodium	23-2	483.04	479.24	480.36	480.88	0.41	ppb
Strontium	86-1	0.83	0.86	0.85	0.85	2.11	ppb
Strontium	88-1	0.87	0.90	0.90	0.89	1.46	ppb
Sulfur	34-1	-479.39	-318.31	-226.02	-341.24		ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	0.86	0.88	0.86	0.87	1.74	ppb
Thallium	205-1	0.83	0.88	0.86	0.86	2.88	ppb
Tin	118-1	4.58	4.75	4.67	4.67	1.81	ppb
Titanium	47-1	4.59	4.77	4.71	4.69	2.04	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-02 Instrumnet Name : P7
Client Sample ID : LOQ-SOIL-02-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:16:00 DataFile Name : 027LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.81	0.82	0.82	0.82	0.13	ppb
Vanadium	51-2	4.69	4.69	4.79	4.73	1.24	ppb
Yttrium	89-1				103		%
Yttrium	89-2				102		%
Zinc	66-2	4.55	4.78	4.71	4.68	2.59	ppb
Zirconium	90-1	0.86	0.90	0.90	0.89	2.49	ppb
Zirconium	91-1	0.81	0.88	0.88	0.86	4.56	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-16 Instrumnet Name : P7
Client Sample ID : LLOQ-SOIL-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:19:15 DataFile Name : 028LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.03	17.13	18.69	17.95	4.37	ppb
Antimony	121-1	1.87	1.87	1.85	1.86	0.64	ppb
Arsenic	75-2	1.08	0.84	0.99	0.97	12.73	ppb
Barium	135-1	9.29	9.39	9.43	9.37	0.81	ppb
Barium	137-1	9.24	9.47	9.67	9.46	2.28	ppb
Beryllium	9-1	0.95	0.96	1.03	0.98	4.26	ppb
Bismuth	209-1				110		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.93	1.11	0.76	0.94	18.66	ppb
Cadmium	106-1	-2.80	-2.11	-0.30	-1.74		ppb
Cadmium	111-1	0.99	0.91	1.03	0.98	5.93	ppb
Calcium	43-1	488.20	484.87	496.72	489.93	1.25	ppb
Calcium	44-1	491.31	489.59	492.24	491.05	0.27	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.06	2.09	2.08	2.08	0.82	ppb
Cobalt	59-2	0.97	0.99	0.98	0.98	0.82	ppb
Copper	63-2	1.85	1.80	1.90	1.85	2.65	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	52.98	52.57	53.42	52.99	0.80	ppb
Iron	57-2	52.77	53.29	53.05	53.04	0.50	ppb
Iron	54-2	54.02	54.67	53.10	53.93	1.46	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-16 Instrumnet Name : P7
Client Sample ID : LLOQ-SOIL-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:19:15 DataFile Name : 028LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.91	0.91	0.91	0.91	0.36	ppb
Lead	207-1	0.92	0.89	0.92	0.91	1.65	ppb
Lead	208-1	0.93	0.89	0.91	0.91	1.75	ppb
Lithium	6-1				112		%
Magnesium	24-2	496.98	490.39	492.85	493.41	0.68	ppb
Manganese	55-2	1.02	1.05	0.95	1.00	5.26	ppb
Molybdenum	94-1	5.47	5.58	5.55	5.53	0.98	ppb
Molybdenum	95-1	4.64	4.59	4.70	4.64	1.19	ppb
Molybdenum	96-1	4.75	4.76	4.68	4.73	0.92	ppb
Molybdenum	97-1	4.71	4.63	4.70	4.68	0.91	ppb
Molybdenum	98-1	4.72	4.63	4.60	4.65	1.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.09	1.17	1.09	1.12	4.21	ppb
Phosphorus	31-2	8.32	9.80	16.47	11.53	37.64	ppb
Potassium	39-2	488.07	484.18	487.51	486.58	0.43	ppb
Rhodium	103-1				102		%
Rhodium	103-2				103		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	82-1	5.04	5.08	4.96	5.03	1.17	ppb
Selenium	77-2	5.21	4.94	8.49	6.21	31.83	ppb
Selenium	78-2	2.96	3.19	5.10	3.75	31.35	ppb
Silicon	28-1	-9.78	-9.16	-9.34	-9.43		ppb
Silver	107-1	0.94	0.98	1.01	0.98	3.32	ppb
Silver	109-1	0.94	0.96	1.00	0.97	3.30	ppb
Sodium	23-2	475.62	470.31	479.31	475.08	0.95	ppb
Strontium	86-1	0.90	0.89	0.83	0.87	4.72	ppb
Strontium	88-1	0.89	0.89	0.91	0.90	1.44	ppb
Sulfur	34-1	-254.12	-214.85	-262.01	-243.66		ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	0.85	0.83	0.87	0.85	2.69	ppb
Thallium	205-1	0.86	0.86	0.88	0.87	1.28	ppb
Tin	118-1	4.65	4.72	4.76	4.71	1.20	ppb
Titanium	47-1	4.64	4.70	4.55	4.63	1.62	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-16 Instrumnet Name : P7
Client Sample ID : LLOQ-SOIL-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:19:15 DataFile Name : 028LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.81	0.81	0.84	0.82	2.02	ppb
Vanadium	51-2	4.72	4.60	4.68	4.67	1.34	ppb
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	4.87	4.80	4.85	4.84	0.69	ppb
Zirconium	90-1	0.92	0.91	0.93	0.92	1.01	ppb
Zirconium	91-1	0.90	0.88	0.87	0.88	1.55	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-07 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-01-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:22:32 DataFile Name : 029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7.07	7.15	7.17	7.13	0.77	ppb
Antimony	121-1	0.38	0.37	0.38	0.38	2.06	ppb
Arsenic	75-2	0.38	0.41	0.45	0.41	8.68	ppb
Barium	135-1	1.87	1.89	1.78	1.84	3.01	ppb
Barium	137-1	1.85	1.98	1.87	1.90	3.53	ppb
Beryllium	9-1	0.35	0.37	0.40	0.38	6.52	ppb
Bismuth	209-1				110		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.34	0.41	0.33	0.36	11.41	ppb
Cadmium	106-1	-1.00	-0.97	-2.72	-1.56		ppb
Cadmium	111-1	0.37	0.41	0.28	0.35	19.63	ppb
Calcium	43-1	188.81	196.26	184.50	189.86	3.13	ppb
Calcium	44-1	181.88	190.11	190.77	187.59	2.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.59	0.62	0.62	0.61	2.14	ppb
Cobalt	59-2	0.39	0.39	0.37	0.38	3.51	ppb
Copper	63-2	0.61	0.66	0.67	0.65	4.65	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				104		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	56-2	33.95	33.95	33.79	33.90	0.27	ppb
Iron	57-2	31.03	30.74	30.19	30.65	1.38	ppb
Iron	54-2	33.44	34.28	34.68	34.13	1.86	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-07 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-01-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:22:32 DataFile Name : 029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.39	0.39	0.39	0.39	1.24	ppb
Lead	207-1	0.39	0.38	0.39	0.39	1.38	ppb
Lead	208-1	0.39	0.38	0.38	0.38	1.30	ppb
Lithium	6-1				113		%
Magnesium	24-2	196.89	200.74	198.97	198.86	0.97	ppb
Manganese	55-2	0.74	0.81	0.77	0.78	4.23	ppb
Molybdenum	94-1	0.90	0.96	1.01	0.96	5.90	ppb
Molybdenum	95-1	0.40	0.41	0.41	0.40	2.17	ppb
Molybdenum	96-1	0.46	0.46	0.47	0.46	1.14	ppb
Molybdenum	97-1	0.45	0.40	0.38	0.41	8.09	ppb
Molybdenum	98-1	0.38	0.41	0.40	0.40	3.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.53	0.50	0.53	0.52	3.11	ppb
Phosphorus	31-2	-17.00	-13.50	-17.76	-16.09		ppb
Potassium	39-2	119.32	119.81	121.76	120.29	1.07	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	4.66	4.54	3.59	4.26	13.71	ppb
Selenium	77-2	2.98	4.95	4.24	4.06	24.62	ppb
Selenium	78-2	3.18	3.40	4.44	3.67	18.42	ppb
Silicon	28-1	-11.22	-10.90	-9.41	-10.51		ppb
Silver	107-1	0.39	0.40	0.39	0.39	1.68	ppb
Silver	109-1	0.39	0.41	0.40	0.40	2.55	ppb
Sodium	23-2	193.04	193.75	196.49	194.43	0.94	ppb
Strontium	86-1	0.33	0.31	0.34	0.32	4.76	ppb
Strontium	88-1	0.34	0.36	0.35	0.35	1.76	ppb
Sulfur	34-1	-319.00	-222.41	-248.69	-263.37		ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.33	0.38	0.36	0.36	6.96	ppb
Thallium	205-1	0.33	0.36	0.35	0.35	3.98	ppb
Tin	118-1	0.33	0.36	0.36	0.35	4.86	ppb
Titanium	47-1	0.44	0.37	0.36	0.39	10.43	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-07 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-01-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:22:32 DataFile Name : 029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.32	0.35	0.33	0.33	4.40	ppb
Vanadium	51-2	0.37	0.36	0.36	0.36	1.79	ppb
Yttrium	89-1				102		%
Yttrium	89-2				103		%
Zinc	66-2	0.87	0.80	0.78	0.82	5.82	ppb
Zirconium	90-1	0.33	0.35	0.34	0.34	2.90	ppb
Zirconium	91-1	0.35	0.36	0.38	0.36	3.92	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-08 Instrumnet Name : P7
Client Sample ID : LOQ-WATER-02-QT2-20 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:28:04 DataFile Name : 030LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16.69	17.78	24.46	19.64	21.42	ppb
Antimony	121-1	1.83	1.86	1.91	1.87	2.16	ppb
Arsenic	75-2	1.08	1.00	0.93	1.00	7.51	ppb
Barium	135-1	9.46	9.69	9.56	9.57	1.21	ppb
Barium	137-1	9.33	9.52	9.66	9.50	1.76	ppb
Beryllium	9-1	0.94	0.95	1.08	0.99	7.86	ppb
Bismuth	209-1				110		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.23	1.05	1.01	1.10	10.96	ppb
Cadmium	106-1	-0.82	-1.85	-2.05	-1.57		ppb
Cadmium	111-1	0.96	0.93	0.95	0.95	1.59	ppb
Calcium	43-1	465.41	493.41	502.12	486.98	3.94	ppb
Calcium	44-1	471.38	489.43	488.13	482.98	2.08	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.17	2.17	2.12	2.15	1.25	ppb
Cobalt	59-2	0.99	0.96	1.02	0.99	2.63	ppb
Copper	63-2	1.82	1.80	1.93	1.85	3.82	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				105		%
Indium	115-1				103		%
Indium	115-2				103		%
Iron	56-2	54.22	53.00	58.71	55.31	5.44	ppb
Iron	57-2	54.08	55.02	63.40	57.50	8.92	ppb
Iron	54-2	55.93	53.34	59.05	56.11	5.10	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-08 Instrumnet Name : P7
Client Sample ID : LOQ-WATER-02-QT2-20 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:28:04 DataFile Name : 030LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.88	0.90	0.88	0.89	0.94	ppb
Lead	207-1	0.86	0.90	0.89	0.88	2.25	ppb
Lead	208-1	0.87	0.90	0.88	0.88	1.94	ppb
Lithium	6-1				108		%
Magnesium	24-2	501.77	499.71	524.17	508.55	2.67	ppb
Manganese	55-2	0.97	0.95	1.08	1.00	7.17	ppb
Molybdenum	94-1	5.42	5.60	5.61	5.54	1.97	ppb
Molybdenum	95-1	4.67	4.64	4.73	4.68	0.99	ppb
Molybdenum	96-1	4.56	4.89	4.74	4.73	3.51	ppb
Molybdenum	97-1	4.53	4.58	4.62	4.58	0.90	ppb
Molybdenum	98-1	4.52	4.67	4.69	4.63	2.09	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.05	1.01	1.06	1.04	2.50	ppb
Phosphorus	31-2	5.34	8.24	12.61	8.73	41.92	ppb
Potassium	39-2	493.77	489.35	503.66	495.59	1.48	ppb
Rhodium	103-1				104		%
Rhodium	103-2				104		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	82-1	5.03	4.98	4.72	4.91	3.37	ppb
Selenium	77-2	5.62	6.08	4.63	5.44	13.58	ppb
Selenium	78-2	4.58	6.44	4.35	5.12	22.31	ppb
Silicon	28-1	-9.58	-7.93	-7.70	-8.40		ppb
Silver	107-1	0.97	1.01	1.02	1.00	2.67	ppb
Silver	109-1	0.91	1.01	0.98	0.97	5.16	ppb
Sodium	23-2	477.07	472.00	495.73	481.60	2.59	ppb
Strontium	86-1	0.88	0.93	0.94	0.92	3.18	ppb
Strontium	88-1	0.87	0.90	0.88	0.88	1.94	ppb
Sulfur	34-1	-365.19	-271.30	-208.28	-281.59		ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.82	0.84	0.87	0.84	3.17	ppb
Thallium	205-1	0.83	0.86	0.87	0.86	2.29	ppb
Tin	118-1	4.60	4.82	4.86	4.76	2.89	ppb
Titanium	47-1	4.53	4.91	4.89	4.78	4.49	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-08 Instrumnet Name : P7
Client Sample ID : LOQ-WATER-02-QT2-20 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:28:04 DataFile Name : 030LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.79	0.82	0.82	0.81	2.70	ppb
Vanadium	51-2	4.84	4.77	4.70	4.77	1.45	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	4.78	4.94	4.64	4.79	3.14	ppb
Zirconium	90-1	0.88	0.90	0.93	0.90	2.62	ppb
Zirconium	91-1	0.87	0.95	0.96	0.92	5.06	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-17 Instrumnet Name : P7
Client Sample ID : LLOQ-WATER-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:31:18 DataFile Name : 031LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.23	18.38	17.86	17.82	3.25	ppb
Antimony	121-1	1.92	1.90	1.91	1.91	0.48	ppb
Arsenic	75-2	0.96	0.98	0.98	0.98	1.31	ppb
Barium	135-1	9.67	9.67	9.44	9.59	1.37	ppb
Barium	137-1	9.86	9.73	9.60	9.73	1.30	ppb
Beryllium	9-1	0.98	1.04	1.19	1.07	10.48	ppb
Bismuth	209-1				109		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.94	1.04	1.10	1.03	8.00	ppb
Cadmium	106-1	-0.99	-0.75	-1.14	-0.96		ppb
Cadmium	111-1	0.94	1.00	0.96	0.97	3.25	ppb
Calcium	43-1	491.41	523.20	494.74	503.12	3.47	ppb
Calcium	44-1	501.33	496.62	488.29	495.41	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.08	2.18	2.08	2.11	2.68	ppb
Cobalt	59-2	1.02	1.01	1.00	1.01	0.90	ppb
Copper	63-2	1.80	1.84	1.73	1.79	2.91	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				103		%
Indium	115-2				104		%
Iron	56-2	53.25	53.83	53.35	53.48	0.57	ppb
Iron	57-2	54.81	56.39	57.51	56.24	2.41	ppb
Iron	54-2	52.77	55.69	56.12	54.86	3.32	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-17 Instrumnet Name : P7
Client Sample ID : LLOQ-WATER-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:31:18 DataFile Name : 031LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.91	0.92	0.90	0.91	0.91	ppb
Lead	207-1	0.88	0.87	0.92	0.89	2.98	ppb
Lead	208-1	0.90	0.90	0.90	0.90	0.16	ppb
Lithium	6-1				108		%
Magnesium	24-2	499.97	498.31	495.28	497.86	0.48	ppb
Manganese	55-2	0.99	0.99	0.95	0.98	2.33	ppb
Molybdenum	94-1	5.67	5.76	5.41	5.61	3.28	ppb
Molybdenum	95-1	4.77	4.67	4.62	4.69	1.65	ppb
Molybdenum	96-1	4.76	4.78	4.66	4.73	1.29	ppb
Molybdenum	97-1	4.90	4.62	4.53	4.68	4.09	ppb
Molybdenum	98-1	4.64	4.67	4.74	4.68	1.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.13	1.17	1.19	1.16	2.78	ppb
Phosphorus	31-2	18.05	7.10	11.50	12.22	45.13	ppb
Potassium	39-2	491.60	494.02	494.73	493.45	0.33	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				101		%
Scandium	45-2				103		%
Selenium	82-1	4.85	4.88	5.61	5.11	8.46	ppb
Selenium	77-2	4.17	6.08	4.43	4.89	21.16	ppb
Selenium	78-2	3.37	3.83	4.15	3.78	10.40	ppb
Silicon	28-1	-6.48	-5.02	-6.57	-6.02		ppb
Silver	107-1	1.01	0.99	1.00	1.00	1.27	ppb
Silver	109-1	0.97	0.97	1.00	0.98	1.77	ppb
Sodium	23-2	471.83	470.21	468.27	470.10	0.38	ppb
Strontium	86-1	0.87	0.88	0.83	0.86	3.31	ppb
Strontium	88-1	0.89	0.89	0.91	0.90	1.70	ppb
Sulfur	34-1	-189.85	-184.30	-306.87	-227.00		ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.89	0.86	0.86	0.87	1.57	ppb
Thallium	205-1	0.89	0.85	0.84	0.86	3.24	ppb
Tin	118-1	4.73	4.78	4.75	4.75	0.57	ppb
Titanium	47-1	4.77	4.89	4.55	4.74	3.68	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-17 Instrumnet Name : P7
Client Sample ID : LLOQ-WATER-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:31:18 DataFile Name : 031LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.84	0.85	0.81	0.83	2.48	ppb
Vanadium	51-2	4.74	4.76	4.63	4.71	1.54	ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	4.79	4.98	4.89	4.89	1.92	ppb
Zirconium	90-1	0.88	0.91	0.92	0.91	2.27	ppb
Zirconium	91-1	0.88	0.95	0.89	0.91	4.17	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-10 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-04-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:34:35 DataFile Name : 032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6.76	6.91	7.61	7.10	6.40	ppb
Antimony	121-1	0.37	0.40	0.37	0.38	3.82	ppb
Arsenic	75-2	0.34	0.38	0.38	0.37	6.77	ppb
Barium	135-1	1.84	1.89	1.92	1.88	2.16	ppb
Barium	137-1	1.88	1.86	1.85	1.86	0.88	ppb
Beryllium	9-1	0.35	0.34	0.41	0.37	10.70	ppb
Bismuth	209-1				109		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.17	0.30	0.47	0.31	48.26	ppb
Cadmium	106-1	-0.53	-0.44	-2.45	-1.14		ppb
Cadmium	111-1	0.37	0.39	0.35	0.37	6.47	ppb
Calcium	43-1	181.76	186.45	193.39	187.20	3.13	ppb
Calcium	44-1	179.71	189.46	188.17	185.78	2.85	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.60	0.59	0.63	0.60	3.31	ppb
Cobalt	59-2	0.38	0.39	0.40	0.39	1.88	ppb
Copper	63-2	0.61	0.60	0.62	0.61	1.49	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				104		%
Iron	56-2	33.60	33.69	34.04	33.78	0.68	ppb
Iron	57-2	31.82	32.00	33.92	32.58	3.57	ppb
Iron	54-2	34.58	33.07	32.34	33.33	3.42	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-10 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-04-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:34:35 DataFile Name : 032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.38	0.37	0.41	0.39	4.79	ppb
Lead	207-1	0.34	0.40	0.38	0.37	8.71	ppb
Lead	208-1	0.36	0.38	0.39	0.38	3.60	ppb
Lithium	6-1				107		%
Magnesium	24-2	194.23	197.62	200.96	197.60	1.70	ppb
Manganese	55-2	0.73	0.75	0.79	0.76	4.01	ppb
Molybdenum	94-1	0.92	0.93	1.02	0.95	5.74	ppb
Molybdenum	95-1	0.38	0.38	0.42	0.40	5.64	ppb
Molybdenum	96-1	0.44	0.44	0.47	0.45	3.65	ppb
Molybdenum	97-1	0.37	0.39	0.42	0.39	7.16	ppb
Molybdenum	98-1	0.38	0.40	0.40	0.39	2.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.46	0.47	0.41	0.45	6.95	ppb
Phosphorus	31-2	-22.37	-10.54	-13.10	-15.34		ppb
Potassium	39-2	119.73	115.10	119.04	117.96	2.12	ppb
Rhodium	103-1				105		%
Rhodium	103-2				105		%
Scandium	45-1				105		%
Scandium	45-2				105		%
Selenium	82-1	3.92	4.56	4.91	4.46	11.20	ppb
Selenium	77-2	6.57	5.24	4.63	5.48	18.14	ppb
Selenium	78-2	6.03	3.19	4.66	4.62	30.72	ppb
Silicon	28-1	-9.86	-7.30	-8.49	-8.55		ppb
Silver	107-1	0.37	0.40	0.41	0.39	4.97	ppb
Silver	109-1	0.39	0.41	0.41	0.40	2.62	ppb
Sodium	23-2	190.24	189.87	189.95	190.02	0.10	ppb
Strontium	86-1	0.35	0.32	0.36	0.34	5.03	ppb
Strontium	88-1	0.36	0.34	0.36	0.35	3.23	ppb
Sulfur	34-1	-479.58	-300.18	-305.25	-361.67		ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	0.34	0.33	0.34	0.34	2.67	ppb
Thallium	205-1	0.34	0.37	0.37	0.36	3.85	ppb
Tin	118-1	0.33	0.36	0.35	0.35	5.02	ppb
Titanium	47-1	0.33	0.39	0.34	0.35	8.88	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-10 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-04-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:34:35 DataFile Name : 032SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.33	0.33	0.33	0.33	0.20	ppb
Vanadium	51-2	0.37	0.36	0.40	0.38	5.10	ppb
Yttrium	89-1				105		%
Yttrium	89-2				105		%
Zinc	66-2	0.76	0.70	0.84	0.77	9.58	ppb
Zirconium	90-1	0.33	0.34	0.34	0.34	2.49	ppb
Zirconium	91-1	0.31	0.36	0.33	0.33	6.75	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-11 Instrumnet Name : P7
Client Sample ID : LOQ-WATER-05-QT2-20 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:38:03 DataFile Name : 033LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17.88	17.25	18.47	17.87	3.41	ppb
Antimony	121-1	1.84	1.90	1.86	1.87	1.47	ppb
Arsenic	75-2	1.03	0.97	0.95	0.98	4.38	ppb
Barium	135-1	9.24	9.46	9.24	9.31	1.36	ppb
Barium	137-1	9.45	9.53	9.39	9.45	0.76	ppb
Beryllium	9-1	1.03	0.93	1.09	1.02	7.79	ppb
Bismuth	209-1				110		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.84	0.87	0.92	0.88	4.44	ppb
Cadmium	106-1	-1.62	-1.00	-1.80	-1.47		ppb
Cadmium	111-1	0.87	1.10	0.93	0.97	12.30	ppb
Calcium	43-1	509.72	506.62	501.93	506.09	0.78	ppb
Calcium	44-1	497.26	495.90	495.19	496.11	0.21	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.12	2.10	2.14	2.12	0.81	ppb
Cobalt	59-2	1.00	1.01	0.95	0.98	3.03	ppb
Copper	63-2	1.88	1.81	1.83	1.84	2.00	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				106		%
Indium	115-1				104		%
Indium	115-2				105		%
Iron	56-2	52.90	53.02	53.97	53.30	1.10	ppb
Iron	57-2	54.15	53.34	56.54	54.68	3.04	ppb
Iron	54-2	55.27	54.14	55.72	55.04	1.48	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-11 Instrumnet Name : P7
Client Sample ID : LOQ-WATER-05-QT2-20 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:38:03 DataFile Name : 033LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.93	0.86	0.90	0.90	3.95	ppb
Lead	207-1	0.88	0.91	0.90	0.90	1.55	ppb
Lead	208-1	0.90	0.90	0.90	0.90	0.18	ppb
Lithium	6-1				107		%
Magnesium	24-2	493.72	497.29	500.73	497.25	0.70	ppb
Manganese	55-2	0.98	0.95	0.97	0.97	1.46	ppb
Molybdenum	94-1	5.61	5.46	5.64	5.57	1.78	ppb
Molybdenum	95-1	4.76	4.79	4.79	4.78	0.36	ppb
Molybdenum	96-1	4.83	4.83	4.69	4.78	1.65	ppb
Molybdenum	97-1	4.67	4.50	4.65	4.61	2.07	ppb
Molybdenum	98-1	4.76	4.74	4.70	4.73	0.70	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.12	1.12	1.05	1.09	3.70	ppb
Phosphorus	31-2	8.67	5.57	6.24	6.83	23.85	ppb
Potassium	39-2	497.62	491.61	500.82	496.69	0.94	ppb
Rhodium	103-1				106		%
Rhodium	103-2				105		%
Scandium	45-1				103		%
Scandium	45-2				105		%
Selenium	82-1	4.93	5.12	5.01	5.02	1.89	ppb
Selenium	77-2	2.21	3.20	4.68	3.36	36.98	ppb
Selenium	78-2	3.45	3.61	4.09	3.72	9.02	ppb
Silicon	28-1	-4.99	-6.12	-5.94	-5.68		ppb
Silver	107-1	0.97	1.01	0.99	0.99	2.32	ppb
Silver	109-1	0.99	0.97	0.95	0.97	2.41	ppb
Sodium	23-2	466.73	469.11	470.13	468.65	0.37	ppb
Strontium	86-1	0.92	0.95	0.92	0.93	1.83	ppb
Strontium	88-1	0.91	0.90	0.89	0.90	1.07	ppb
Sulfur	34-1	-151.50	-176.58	-137.85	-155.31		ppb
Terbium	159-1				107		%
Terbium	159-2				106		%
Thallium	203-1	0.87	0.86	0.84	0.86	1.76	ppb
Thallium	205-1	0.85	0.85	0.85	0.85	0.05	ppb
Tin	118-1	4.76	4.85	4.71	4.77	1.45	ppb
Titanium	47-1	4.73	4.64	4.95	4.77	3.36	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-11 Instrumnet Name : P7
Client Sample ID : LOQ-WATER-05-QT2-20 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:38:03 DataFile Name : 033LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.81	0.84	0.83	0.82	2.12	ppb
Vanadium	51-2	4.60	4.79	4.70	4.69	2.03	ppb
Yttrium	89-1				104		%
Yttrium	89-2				106		%
Zinc	66-2	5.08	5.08	4.88	5.01	2.37	ppb
Zirconium	90-1	0.92	0.93	0.93	0.92	0.86	ppb
Zirconium	91-1	0.89	0.94	0.93	0.92	3.34	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2409-01 Instrumnet Name : P7
Client Sample ID : MDL-WATER-QT2-2024- Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:41:20 DataFile Name : 034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7.57	6.78	7.68	7.34	6.66	ppb
Antimony	121-1	0.37	0.39	0.38	0.38	2.96	ppb
Arsenic	75-2	0.37	0.34	0.40	0.37	7.74	ppb
Barium	135-1	1.82	1.87	1.83	1.84	1.53	ppb
Barium	137-1	1.79	1.89	1.94	1.88	4.09	ppb
Beryllium	9-1	0.35	0.39	0.45	0.40	13.51	ppb
Bismuth	209-1				111		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.33	0.32	0.34	0.33	3.09	ppb
Cadmium	106-1	0.23	-0.99	-0.39	-0.38		ppb
Cadmium	111-1	0.37	0.40	0.36	0.38	5.49	ppb
Calcium	43-1	178.75	182.90	187.18	182.95	2.30	ppb
Calcium	44-1	186.44	193.37	189.32	189.71	1.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.58	0.59	0.58	0.59	0.95	ppb
Cobalt	59-2	0.40	0.36	0.39	0.38	5.36	ppb
Copper	63-2	0.57	0.61	0.61	0.59	3.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				106		%
Indium	115-1				106		%
Indium	115-2				105		%
Iron	56-2	34.39	33.75	34.35	34.17	1.06	ppb
Iron	57-2	34.10	34.99	36.86	35.32	3.99	ppb
Iron	54-2	34.44	34.50	35.36	34.77	1.48	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2409-01 Instrumnet Name : P7
Client Sample ID : MDL-WATER-QT2-2024- Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:41:20 DataFile Name : 034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.38	0.35	0.38	0.37	4.30	ppb
Lead	207-1	0.36	0.37	0.34	0.35	4.82	ppb
Lead	208-1	0.36	0.36	0.37	0.37	2.03	ppb
Lithium	6-1				109		%
Magnesium	24-2	201.78	201.63	198.35	200.58	0.97	ppb
Manganese	55-2	0.77	0.76	0.77	0.77	0.99	ppb
Molybdenum	94-1	0.94	0.94	0.94	0.94	0.45	ppb
Molybdenum	95-1	0.36	0.39	0.40	0.38	4.46	ppb
Molybdenum	96-1	0.44	0.46	0.45	0.45	2.19	ppb
Molybdenum	97-1	0.43	0.41	0.36	0.40	8.74	ppb
Molybdenum	98-1	0.38	0.42	0.40	0.40	4.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.50	0.54	0.48	0.51	5.82	ppb
Phosphorus	31-2	-9.97	-15.31	-15.09	-13.45		ppb
Potassium	39-2	119.34	120.14	118.53	119.34	0.68	ppb
Rhodium	103-1				106		%
Rhodium	103-2				106		%
Scandium	45-1				104		%
Scandium	45-2				105		%
Selenium	82-1	4.86	4.23	4.45	4.51	7.14	ppb
Selenium	77-2	4.33	5.24	4.55	4.71	10.05	ppb
Selenium	78-2	4.49	4.63	3.80	4.30	10.35	ppb
Silicon	28-1	-8.11	-6.08	-7.37	-7.18		ppb
Silver	107-1	0.39	0.41	0.42	0.40	3.16	ppb
Silver	109-1	0.40	0.42	0.42	0.41	3.06	ppb
Sodium	23-2	189.87	189.02	187.85	188.91	0.54	ppb
Strontium	86-1	0.36	0.35	0.32	0.35	6.04	ppb
Strontium	88-1	0.35	0.36	0.37	0.36	2.71	ppb
Sulfur	34-1	-213.55	-86.19	-94.20	-131.31		ppb
Terbium	159-1				108		%
Terbium	159-2				105		%
Thallium	203-1	0.34	0.34	0.35	0.35	2.04	ppb
Thallium	205-1	0.33	0.33	0.35	0.34	3.73	ppb
Tin	118-1	0.32	0.36	0.34	0.34	5.70	ppb
Titanium	47-1	0.34	0.41	0.39	0.38	8.84	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2409-01 Instrumnet Name : P7
Client Sample ID : MDL-WATER-QT2-2024- Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:41:20 DataFile Name : 034SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.32	0.33	0.33	0.33	2.06	ppb
Vanadium	51-2	0.40	0.37	0.37	0.38	4.77	ppb
Yttrium	89-1				105		%
Yttrium	89-2				105		%
Zinc	66-2	0.74	0.75	0.74	0.74	0.53	ppb
Zirconium	90-1	0.33	0.35	0.36	0.35	4.47	ppb
Zirconium	91-1	0.35	0.34	0.33	0.34	3.18	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV002 Instrumnet Name : P7
Client Sample ID : CCV002 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:44:35 DataFile Name : 035CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49223.14	50241.24	49065.16	49509.84	1.29	ppb
Antimony	121-1	479.22	483.43	488.11	483.59	0.92	ppb
Arsenic	75-2	481.74	483.05	487.20	484.00	0.59	ppb
Barium	135-1	2450.21	2460.28	2496.76	2469.08	0.99	ppb
Barium	137-1	2468.07	2452.80	2465.41	2462.09	0.33	ppb
Beryllium	9-1	474.65	477.69	484.73	479.03	1.08	ppb
Bismuth	209-1				103		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	482.88	481.65	484.77	483.10	0.33	ppb
Cadmium	106-1	484.34	477.94	491.05	484.44	1.35	ppb
Cadmium	111-1	463.85	469.84	476.84	470.18	1.38	ppb
Calcium	43-1	245072.14	251408.84	254352.18	250277.72	1.89	ppb
Calcium	44-1	244294.29	249703.06	250252.43	248083.26	1.33	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	491.43	491.83	488.95	490.74	0.32	ppb
Cobalt	59-2	476.54	475.12	479.90	477.19	0.51	ppb
Copper	63-2	4575.00	4551.42	4510.70	4545.71	0.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				95		%
Indium	115-2				93		%
Iron	56-2	127864.65	126434.32	127554.72	127284.56	0.59	ppb
Iron	57-2	128153.66	125597.16	127182.90	126977.91	1.02	ppb
Iron	54-2	127067.34	127728.80	128251.01	127682.38	0.46	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV002 Instrumnet Name : P7
Client Sample ID : CCV002 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:44:35 DataFile Name : 035CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2441.47	2483.22	2473.83	2466.17	0.89	ppb
Lead	207-1	2467.02	2488.43	2479.72	2478.39	0.43	ppb
Lead	208-1	2461.36	2483.60	2487.33	2477.43	0.57	ppb
Lithium	6-1				114		%
Magnesium	24-2	271754.33	272543.45	269091.78	271129.85	0.67	ppb
Manganese	55-2	4836.17	4793.35	4837.13	4822.22	0.52	ppb
Molybdenum	94-1	4804.17	4937.11	4916.95	4886.08	1.47	ppb
Molybdenum	95-1	4810.90	4910.52	4845.01	4855.48	1.04	ppb
Molybdenum	96-1	4866.08	4913.63	4892.41	4890.71	0.49	ppb
Molybdenum	97-1	4873.52	4924.80	4890.91	4896.41	0.53	ppb
Molybdenum	98-1	4878.96	4903.82	4934.00	4905.59	0.56	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	454.36	457.65	454.60	455.54	0.40	ppb
Phosphorus	31-2	9621.00	9720.66	9779.42	9707.03	0.83	ppb
Potassium	39-2	124223.36	125532.05	124481.90	124745.77	0.56	ppb
Rhodium	103-1				90		%
Rhodium	103-2				89		%
Scandium	45-1				95		%
Scandium	45-2				96		%
Selenium	82-1	465.21	470.32	465.49	467.01	0.61	ppb
Selenium	77-2	458.88	468.22	466.95	464.68	1.09	ppb
Selenium	78-2	480.53	472.46	476.24	476.41	0.85	ppb
Silicon	28-1	405.17	402.65	418.42	408.75	2.07	ppb
Silver	107-1	478.33	485.30	481.21	481.61	0.73	ppb
Silver	109-1	475.61	473.04	480.86	476.50	0.84	ppb
Sodium	23-2	253787.71	252503.19	251235.40	252508.77	0.51	ppb
Strontium	86-1	494.67	500.46	491.70	495.61	0.90	ppb
Strontium	88-1	485.03	495.46	489.29	489.93	1.07	ppb
Sulfur	34-1	9564.08	9554.24	9793.63	9637.32	1.41	ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	496.81	486.14	491.34	491.43	1.09	ppb
Thallium	205-1	496.34	496.15	501.07	497.85	0.56	ppb
Tin	118-1	482.52	489.46	494.94	488.97	1.27	ppb
Titanium	47-1	4825.63	4875.17	4882.72	4861.17	0.64	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV002 Instrumnet Name : P7
Client Sample ID : CCV002 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:44:35 DataFile Name : 035CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	504.08	507.39	507.22	506.23	0.37	ppb
Vanadium	51-2	490.41	502.85	497.78	497.02	1.26	ppb
Yttrium	89-1				98		%
Yttrium	89-2				95		%
Zinc	66-2	4553.97	4547.62	4501.11	4534.24	0.64	ppb
Zirconium	90-1	493.69	493.53	487.14	491.45	0.76	ppb
Zirconium	91-1	491.69	496.02	491.85	493.19	0.50	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB002 Instrumnet Name : P7
Client Sample ID : CCB002 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:47:18 DataFile Name : 036CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.36	0.88	1.14	1.13	21.22	ppb
Antimony	121-1	0.23	0.17	0.13	0.18	27.17	ppb
Arsenic	75-2	0.02	0.00	-0.02	0.00		ppb
Barium	135-1	0.53	0.26	0.14	0.31	63.89	ppb
Barium	137-1	0.49	0.23	0.12	0.28	69.12	ppb
Beryllium	9-1	0.18	0.09	0.08	0.12	47.98	ppb
Bismuth	209-1				111		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.07	0.02	0.04	0.04	60.08	ppb
Cadmium	106-1	-2.43	-3.48	-3.49	-3.13		ppb
Cadmium	111-1	0.09	0.00	-0.03	0.02	315.40	ppb
Calcium	43-1	57.00	36.30	19.51	37.61	49.93	ppb
Calcium	44-1	61.12	31.93	17.88	36.98	59.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.23	-0.20	-0.23	-0.22		ppb
Cobalt	59-2	0.01	0.00	0.00	0.00	219.08	ppb
Copper	63-2	-0.02	-0.03	-0.09	-0.05		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	4.77	3.89	3.39	4.02	17.41	ppb
Iron	57-2	1.73	1.61	0.59	1.31	47.99	ppb
Iron	54-2	3.64	2.96	2.90	3.17	12.87	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB002 Instrumnet Name : P7
Client Sample ID : CCB002 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:47:18 DataFile Name : 036CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.54	0.30	0.18	0.34	54.24	ppb
Lead	207-1	0.56	0.28	0.18	0.34	57.79	ppb
Lead	208-1	0.56	0.29	0.17	0.34	58.74	ppb
Lithium	6-1				119		%
Magnesium	24-2	4.58	3.51	2.70	3.60	26.19	ppb
Manganese	55-2	0.09	0.10	0.05	0.08	33.11	ppb
Molybdenum	94-1	1.20	0.67	0.40	0.76	53.44	ppb
Molybdenum	95-1	1.21	0.63	0.34	0.73	60.60	ppb
Molybdenum	96-1	1.18	0.66	0.33	0.73	58.91	ppb
Molybdenum	97-1	1.22	0.62	0.37	0.74	59.67	ppb
Molybdenum	98-1	1.21	0.63	0.36	0.74	59.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.19	-0.16	-0.16	-0.17		ppb
Phosphorus	31-2	-20.47	-24.77	-21.50	-22.25		ppb
Potassium	39-2	-1.94	-3.80	-4.37	-3.37		ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				95		%
Scandium	45-2				98		%
Selenium	82-1	0.34	0.00	-0.53	-0.07		ppb
Selenium	77-2	-0.20	-0.05	-0.20	-0.15		ppb
Selenium	78-2	-1.49	-1.13	-0.97	-1.20		ppb
Silicon	28-1	-27.82	-28.08	-28.05	-27.98		ppb
Silver	107-1	0.14	0.08	0.06	0.09	48.20	ppb
Silver	109-1	0.17	0.08	0.05	0.10	57.96	ppb
Sodium	23-2	38.67	35.34	33.60	35.87	7.19	ppb
Strontium	86-1	0.09	0.03	0.01	0.04	96.27	ppb
Strontium	88-1	0.10	0.06	0.03	0.06	58.59	ppb
Sulfur	34-1	-496.72	-517.72	-450.75	-488.40		ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	0.12	0.07	0.04	0.08	52.73	ppb
Thallium	205-1	0.12	0.07	0.05	0.08	49.03	ppb
Tin	118-1	0.18	0.13	0.10	0.14	29.90	ppb
Titanium	47-1	1.13	0.55	0.21	0.63	74.16	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB002 Instrumnet Name : P7
Client Sample ID : CCB002 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:47:18 DataFile Name : 036CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.10	0.05	0.02	0.06	65.18	ppb
Vanadium	51-2	0.01	0.00	0.01	0.01	37.79	ppb
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	0.35	0.34	0.44	0.38	14.66	ppb
Zirconium	90-1	0.13	0.07	0.05	0.08	51.58	ppb
Zirconium	91-1	0.13	0.09	0.05	0.09	46.94	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2409-03 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-QT2-2024-03 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:50:33 DataFile Name : 037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7.12	7.50	7.61	7.41	3.48	ppb
Antimony	121-1	0.40	0.40	0.41	0.40	1.11	ppb
Arsenic	75-2	0.51	0.46	0.37	0.44	16.10	ppb
Barium	135-1	1.83	1.75	1.81	1.80	2.41	ppb
Barium	137-1	1.84	1.79	1.88	1.84	2.56	ppb
Beryllium	9-1	0.41	0.43	0.41	0.42	2.88	ppb
Bismuth	209-1				113		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.44	0.36	0.31	0.37	17.45	ppb
Cadmium	106-1	-2.41	-1.14	-3.03	-2.19		ppb
Cadmium	111-1	0.33	0.36	0.36	0.35	5.91	ppb
Calcium	43-1	194.63	196.19	188.21	193.01	2.19	ppb
Calcium	44-1	184.51	189.56	189.56	187.88	1.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.57	0.58	0.60	0.58	2.74	ppb
Cobalt	59-2	0.39	0.40	0.40	0.40	1.37	ppb
Copper	63-2	0.62	0.64	0.63	0.63	1.54	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				100		%
Iron	56-2	33.74	34.30	34.04	34.02	0.83	ppb
Iron	57-2	32.41	31.92	31.97	32.10	0.84	ppb
Iron	54-2	34.65	34.06	33.04	33.92	2.39	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2409-03 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-QT2-2024-03 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:50:33 DataFile Name : 037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.37	0.42	0.40	0.40	6.63	ppb
Lead	207-1	0.40	0.39	0.37	0.39	3.25	ppb
Lead	208-1	0.38	0.40	0.38	0.39	2.14	ppb
Lithium	6-1				119		%
Magnesium	24-2	206.43	202.36	206.58	205.12	1.17	ppb
Manganese	55-2	0.83	0.81	0.79	0.81	2.38	ppb
Molybdenum	94-1	0.95	0.96	0.95	0.95	0.84	ppb
Molybdenum	95-1	0.44	0.43	0.38	0.42	7.26	ppb
Molybdenum	96-1	0.47	0.46	0.47	0.47	1.01	ppb
Molybdenum	97-1	0.40	0.43	0.46	0.43	7.07	ppb
Molybdenum	98-1	0.42	0.40	0.43	0.41	3.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.49	0.44	0.45	0.46	5.57	ppb
Phosphorus	31-2	-12.03	-18.23	-16.20	-15.48		ppb
Potassium	39-2	118.41	115.79	119.85	118.02	1.75	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	3.80	4.18	4.10	4.03	4.93	ppb
Selenium	77-2	4.78	4.61	3.17	4.19	21.17	ppb
Selenium	78-2	2.43	3.39	3.14	2.99	16.81	ppb
Silicon	28-1	-28.92	-28.16	-27.98	-28.35		ppb
Silver	107-1	0.39	0.40	0.41	0.40	2.23	ppb
Silver	109-1	0.39	0.39	0.40	0.40	2.16	ppb
Sodium	23-2	204.57	206.30	207.66	206.18	0.75	ppb
Strontium	86-1	0.33	0.37	0.35	0.35	5.23	ppb
Strontium	88-1	0.34	0.35	0.35	0.35	2.15	ppb
Sulfur	34-1	-589.33	-406.21	-420.34	-471.96		ppb
Terbium	159-1				107		%
Terbium	159-2				104		%
Thallium	203-1	0.31	0.35	0.36	0.34	6.90	ppb
Thallium	205-1	0.34	0.35	0.37	0.35	5.51	ppb
Tin	118-1	0.34	0.36	0.36	0.35	2.77	ppb
Titanium	47-1	0.34	0.38	0.42	0.38	10.23	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2409-03 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-QT2-2024-03 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:50:33 DataFile Name : 037SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.33	0.34	0.35	0.34	2.61	ppb
Vanadium	51-2	0.36	0.38	0.39	0.38	4.26	ppb
Yttrium	89-1				101		%
Yttrium	89-2				99		%
Zinc	66-2	0.90	0.75	0.82	0.82	8.74	ppb
Zirconium	90-1	0.32	0.37	0.36	0.35	6.80	ppb
Zirconium	91-1	0.31	0.35	0.37	0.34	8.02	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166399BL Instrumnet Name : P7
Client Sample ID : PBW399 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:53:51 DataFile Name : 038CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.28	-0.13	-0.11	-0.18		ppb
Antimony	121-1	0.01	0.01	0.02	0.01	18.13	ppb
Arsenic	75-2	-0.02	-0.02	-0.01	-0.02		ppb
Barium	135-1	0.00	0.00	0.00	0.00		ppb
Barium	137-1	0.00	-0.01	0.00	0.00		ppb
Beryllium	9-1	0.02	0.03	0.02	0.02	16.63	ppb
Bismuth	209-1				112		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	-0.08	-0.06	-0.06		ppb
Cadmium	106-1	-1.49	-2.70	-2.78	-2.32		ppb
Cadmium	111-1	-0.03	-0.05	-0.06	-0.04		ppb
Calcium	43-1	-8.44	-4.86	-6.61	-6.64		ppb
Calcium	44-1	-7.21	-6.65	-6.85	-6.90		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.20	0.17	0.21	0.19	10.30	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	-0.16	-0.16	-0.18	-0.17		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	0.41	0.44	0.39	0.41	5.80	ppb
Iron	57-2	-2.12	-2.51	-0.93	-1.85		ppb
Iron	54-2	0.56	0.05	1.03	0.55	90.17	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166399BL Instrumnet Name : P7
Client Sample ID : PBW399 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:53:51 DataFile Name : 038CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.01	0.03	0.02	52.41	ppb
Lead	207-1	0.02	0.02	0.01	0.02	19.07	ppb
Lead	208-1	0.02	0.02	0.02	0.02	3.55	ppb
Lithium	6-1				116		%
Magnesium	24-2	-0.30	-0.26	-0.19	-0.25		ppb
Manganese	55-2	0.00	0.02	0.01	0.01	75.54	ppb
Molybdenum	94-1	0.04	0.03	0.04	0.04	16.75	ppb
Molybdenum	95-1	0.05	0.03	0.03	0.04	26.88	ppb
Molybdenum	96-1	0.05	0.04	0.04	0.04	17.81	ppb
Molybdenum	97-1	0.04	0.02	0.04	0.03	30.18	ppb
Molybdenum	98-1	0.05	0.04	0.04	0.04	18.62	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.13	0.06	0.13	0.11	38.03	ppb
Phosphorus	31-2	-20.29	-27.01	-21.90	-23.07		ppb
Potassium	39-2	-7.53	-5.69	-8.93	-7.38		ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	0.40	0.02	-0.11	0.10	267.13	ppb
Selenium	77-2	-0.20	-0.05	0.10	-0.05		ppb
Selenium	78-2	-0.77	-0.98	0.07	-0.56		ppb
Silicon	28-1	-27.88	-27.72	-27.42	-27.67		ppb
Silver	107-1	0.01	0.01	0.01	0.01	4.07	ppb
Silver	109-1	0.01	0.01	0.01	0.01	34.19	ppb
Sodium	23-2	11.86	12.02	11.52	11.80	2.16	ppb
Strontium	86-1	0.00	-0.03	-0.01	-0.01		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-276.85	-296.88	-297.95	-290.56		ppb
Terbium	159-1				105		%
Terbium	159-2				104		%
Thallium	203-1	0.01	0.01	0.01	0.01	27.27	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	9.24	ppb
Tin	118-1	-0.03	-0.03	-0.02	-0.03		ppb
Titanium	47-1	0.03	-0.02	0.00	0.00	1112.84	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166399BL Instrumnet Name : P7
Client Sample ID : PBW399 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:53:51 DataFile Name : 038CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.01	-0.01	-0.06	-0.02		ppb
Zirconium	90-1	0.01	0.00	0.00	0.00	75.72	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	9.89	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166400BL Instrumnet Name : P7
Client Sample ID : PBS400 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:00:22 DataFile Name : 040CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.14	-0.14	-0.05	-0.11		ppb
Antimony	121-1	0.01	0.01	0.00	0.00	28.41	ppb
Arsenic	75-2	0.00	-0.03	-0.02	-0.01		ppb
Barium	135-1	-0.01	0.00	0.00	0.00		ppb
Barium	137-1	0.00	0.00	-0.01	0.00		ppb
Beryllium	9-1	0.02	0.00	0.00	0.01	117.57	ppb
Bismuth	209-1				110		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	-0.06	-0.05	-0.03		ppb
Cadmium	106-1	-1.13	-2.69	-3.11	-2.31		ppb
Cadmium	111-1	-0.02	-0.05	-0.06	-0.05		ppb
Calcium	43-1	-5.64	-5.34	-6.53	-5.84		ppb
Calcium	44-1	-7.03	-6.60	-6.68	-6.77		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.21	0.18	0.19	0.19	7.05	ppb
Cobalt	59-2	0.00	-0.01	-0.01	0.00		ppb
Copper	63-2	-0.22	-0.20	-0.19	-0.21		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				105		%
Indium	115-1				101		%
Indium	115-2				102		%
Iron	56-2	0.32	0.38	0.36	0.35	9.12	ppb
Iron	57-2	-0.73	-0.99	-2.45	-1.39		ppb
Iron	54-2	-0.28	0.09	-0.60	-0.26		ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166400BL Instrumnet Name : P7
Client Sample ID : PBS400 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:00:22 DataFile Name : 040CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.02	0.02	0.02	19.78	ppb
Lead	207-1	0.02	0.02	0.02	0.02	7.71	ppb
Lead	208-1	0.02	0.02	0.02	0.02	8.06	ppb
Lithium	6-1				113		%
Magnesium	24-2	-0.15	-0.26	-0.24	-0.22		ppb
Manganese	55-2	0.01	-0.01	0.03	0.01	287.39	ppb
Molybdenum	94-1	0.06	0.04	0.04	0.05	22.65	ppb
Molybdenum	95-1	0.04	0.04	0.03	0.03	21.22	ppb
Molybdenum	96-1	0.03	0.04	0.02	0.03	39.47	ppb
Molybdenum	97-1	0.03	0.03	0.03	0.03	3.46	ppb
Molybdenum	98-1	0.04	0.04	0.02	0.03	20.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.09	0.07	0.09	0.08	10.01	ppb
Phosphorus	31-2	-21.77	-20.63	-23.38	-21.93		ppb
Potassium	39-2	-5.51	-8.05	-6.83	-6.79		ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				101		%
Selenium	82-1	0.10	0.03	-0.17	-0.01		ppb
Selenium	77-2	-0.20	-0.20	-0.20	-0.20		ppb
Selenium	78-2	-1.55	-0.47	-1.75	-1.25		ppb
Silicon	28-1	-26.28	-25.89	-25.66	-25.94		ppb
Silver	107-1	0.01	0.01	0.01	0.01	7.52	ppb
Silver	109-1	0.01	0.01	0.01	0.01	12.32	ppb
Sodium	23-2	8.66	8.02	7.91	8.20	4.96	ppb
Strontium	86-1	-0.01	-0.01	-0.02	-0.01		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-195.06	-231.43	-260.56	-229.01		ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	0.01	0.01	0.01	0.01	18.89	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	18.31	ppb
Tin	118-1	-0.04	-0.04	-0.04	-0.04		ppb
Titanium	47-1	-0.01	-0.01	0.01	0.00		ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166400BL Instrumnet Name : P7
Client Sample ID : PBS400 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:00:22 DataFile Name : 040CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				100		%
Yttrium	89-2				101		%
Zinc	66-2	-0.06	0.03	-0.13	-0.05		ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	8.93	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	38.21	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166399BS Instrumnet Name : P7
Client Sample ID : LCS399 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:12:03 DataFile Name : 042LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37.11	36.21	36.14	36.48	1.49	ppb
Antimony	121-1	3.64	3.56	3.69	3.63	1.75	ppb
Arsenic	75-2	2.02	1.93	1.96	1.97	2.30	ppb
Barium	135-1	18.18	18.01	18.27	18.15	0.71	ppb
Barium	137-1	18.28	18.19	18.51	18.33	0.91	ppb
Beryllium	9-1	1.95	1.90	2.04	1.96	3.86	ppb
Bismuth	209-1				110		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.96	1.97	1.86	1.93	3.23	ppb
Cadmium	106-1	-1.09	-2.01	-1.06	-1.39		ppb
Cadmium	111-1	1.89	1.87	1.94	1.90	1.84	ppb
Calcium	43-1	959.50	958.23	932.15	949.96	1.63	ppb
Calcium	44-1	942.85	947.08	945.96	945.30	0.23	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.80	3.81	3.80	3.81	0.14	ppb
Cobalt	59-2	1.88	1.87	1.86	1.87	0.38	ppb
Copper	63-2	3.91	3.89	3.86	3.89	0.72	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				103		%
Iron	56-2	406.08	395.41	398.19	399.89	1.38	ppb
Iron	57-2	414.24	400.85	401.62	405.57	1.85	ppb
Iron	54-2	409.34	407.01	410.60	408.98	0.45	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166399BS Instrumnet Name : P7
Client Sample ID : LCS399 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:12:03 DataFile Name : 042LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.72	1.78	1.85	1.78	3.60	ppb
Lead	207-1	1.72	1.80	1.81	1.78	2.85	ppb
Lead	208-1	1.72	1.79	1.82	1.78	2.77	ppb
Lithium	6-1				110		%
Magnesium	24-2	929.74	928.58	930.47	929.60	0.10	ppb
Manganese	55-2	1.93	1.91	1.89	1.91	1.12	ppb
Molybdenum	94-1	10.75	10.42	10.68	10.62	1.62	ppb
Molybdenum	95-1	9.11	8.88	9.05	9.02	1.31	ppb
Molybdenum	96-1	9.19	9.28	9.31	9.26	0.65	ppb
Molybdenum	97-1	9.28	9.03	9.20	9.17	1.44	ppb
Molybdenum	98-1	9.19	9.19	9.08	9.15	0.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.01	1.89	1.98	1.96	3.14	ppb
Phosphorus	31-2	27.46	30.95	24.13	27.51	12.39	ppb
Potassium	39-2	963.39	966.46	962.72	964.19	0.21	ppb
Rhodium	103-1				103		%
Rhodium	103-2				104		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	9.66	9.79	8.74	9.40	6.05	ppb
Selenium	77-2	10.91	9.27	9.00	9.73	10.65	ppb
Selenium	78-2	9.30	8.92	8.26	8.83	5.95	ppb
Silicon	28-1	-6.20	-6.57	-6.38	-6.38		ppb
Silver	107-1	1.89	1.91	1.90	1.90	0.35	ppb
Silver	109-1	1.87	1.92	1.94	1.91	1.84	ppb
Sodium	23-2	921.81	907.34	915.11	914.75	0.79	ppb
Strontium	86-1	1.72	1.68	1.72	1.71	1.38	ppb
Strontium	88-1	1.75	1.73	1.76	1.75	0.63	ppb
Sulfur	34-1	-232.11	-196.44	-273.20	-233.92		ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	1.66	1.70	1.68	1.68	1.27	ppb
Thallium	205-1	1.65	1.68	1.72	1.68	2.22	ppb
Tin	118-1	9.13	9.21	9.32	9.22	1.03	ppb
Titanium	47-1	9.58	9.61	9.81	9.67	1.34	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166399BS Instrumnet Name : P7
Client Sample ID : LCS399 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:12:03 DataFile Name : 042LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.57	1.62	1.59	1.59	1.83	ppb
Vanadium	51-2	9.43	9.26	9.28	9.32	1.02	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	9.68	9.57	9.50	9.58	0.95	ppb
Zirconium	90-1	1.77	1.80	1.78	1.78	0.80	ppb
Zirconium	91-1	1.81	1.74	1.79	1.78	2.13	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166400BS Instrumnet Name : P7
Client Sample ID : LCS400 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:15:17 DataFile Name : 043LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	36.40	34.77	35.73	35.63	2.30	ppb
Antimony	121-1	3.44	3.60	3.57	3.54	2.29	ppb
Arsenic	75-2	1.94	1.80	2.01	1.92	5.48	ppb
Barium	135-1	17.41	17.79	17.69	17.63	1.10	ppb
Barium	137-1	17.83	17.86	17.91	17.87	0.22	ppb
Beryllium	9-1	1.84	1.83	1.86	1.84	0.79	ppb
Bismuth	209-1				111		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.81	1.83	2.11	1.92	8.77	ppb
Cadmium	106-1	1.56	-0.92	1.11	0.58	225.94	ppb
Cadmium	111-1	1.86	1.92	1.86	1.88	1.83	ppb
Calcium	43-1	933.86	933.65	955.07	940.86	1.31	ppb
Calcium	44-1	921.41	926.53	943.06	930.33	1.22	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.65	3.51	3.62	3.60	1.97	ppb
Cobalt	59-2	1.86	1.81	1.81	1.83	1.79	ppb
Copper	63-2	3.73	3.70	3.78	3.74	1.12	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				104		%
Iron	56-2	388.48	389.87	388.93	389.09	0.18	ppb
Iron	57-2	388.83	396.27	385.67	390.26	1.39	ppb
Iron	54-2	392.99	399.40	392.66	395.01	0.96	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166400BS Instrumnet Name : P7
Client Sample ID : LCS400 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:15:17 DataFile Name : 043LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.78	1.77	1.77	1.77	0.12	ppb
Lead	207-1	1.66	1.78	1.74	1.73	3.45	ppb
Lead	208-1	1.70	1.75	1.74	1.73	1.54	ppb
Lithium	6-1				113		%
Magnesium	24-2	894.74	898.83	893.50	895.69	0.31	ppb
Manganese	55-2	1.73	1.85	1.77	1.78	3.45	ppb
Molybdenum	94-1	10.18	10.38	10.68	10.41	2.44	ppb
Molybdenum	95-1	8.78	8.94	8.87	8.86	0.87	ppb
Molybdenum	96-1	9.04	9.02	9.03	9.03	0.15	ppb
Molybdenum	97-1	8.80	8.98	8.89	8.89	1.02	ppb
Molybdenum	98-1	8.85	8.94	8.89	8.90	0.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.79	1.95	1.87	1.87	4.25	ppb
Phosphorus	31-2	27.88	27.66	23.61	26.38	9.12	ppb
Potassium	39-2	934.93	930.38	933.74	933.01	0.25	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				101		%
Scandium	45-2				103		%
Selenium	82-1	9.85	9.27	9.45	9.52	3.13	ppb
Selenium	77-2	9.87	8.63	10.62	9.71	10.34	ppb
Selenium	78-2	8.92	9.77	7.83	8.84	11.00	ppb
Silicon	28-1	-5.87	-5.73	-5.02	-5.54		ppb
Silver	107-1	1.82	1.89	1.88	1.86	2.05	ppb
Silver	109-1	1.84	1.88	1.88	1.87	1.33	ppb
Sodium	23-2	888.23	876.01	879.95	881.40	0.71	ppb
Strontium	86-1	1.60	1.65	1.67	1.64	2.16	ppb
Strontium	88-1	1.69	1.71	1.72	1.71	0.68	ppb
Sulfur	34-1	-225.39	-124.61	-24.49	-124.83		ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	1.60	1.66	1.59	1.62	2.13	ppb
Thallium	205-1	1.65	1.67	1.65	1.65	0.70	ppb
Tin	118-1	8.76	9.00	8.92	8.90	1.39	ppb
Titanium	47-1	9.36	9.68	9.55	9.53	1.72	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166400BS Instrumnet Name : P7
Client Sample ID : LCS400 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:15:17 DataFile Name : 043LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.57	1.58	1.59	1.58	0.70	ppb
Vanadium	51-2	8.84	8.86	8.95	8.88	0.64	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	9.10	9.12	9.18	9.13	0.50	ppb
Zirconium	90-1	1.72	1.76	1.77	1.75	1.65	ppb
Zirconium	91-1	1.74	1.70	1.79	1.74	2.48	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166396BL Instrumnet Name : P7
Client Sample ID : PBW396 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:18:33 DataFile Name : 044CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.05	-0.02	-0.04	0.00		ppb
Antimony	121-1	0.00	0.00	0.00	0.00	58.58	ppb
Arsenic	75-2	-0.01	0.00	-0.02	-0.01		ppb
Barium	135-1	0.00	0.01	0.00	0.00	469.93	ppb
Barium	137-1	0.00	-0.01	-0.01	0.00		ppb
Beryllium	9-1	0.01	0.00	-0.01	0.00		ppb
Bismuth	209-1				112		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.06	-0.08	-0.03	-0.06		ppb
Cadmium	106-1	-0.74	-1.37	-1.83	-1.31		ppb
Cadmium	111-1	-0.02	-0.03	-0.04	-0.03		ppb
Calcium	43-1	-4.91	-6.95	-4.68	-5.52		ppb
Calcium	44-1	-6.68	-5.63	-6.09	-6.13		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.22	0.22	0.20	0.21	4.64	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	-0.19	-0.19	-0.19	-0.19		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	0.52	0.41	0.39	0.44	16.44	ppb
Iron	57-2	-1.51	-0.91	-0.80	-1.08		ppb
Iron	54-2	0.97	-0.05	0.46	0.46	111.12	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166396BL Instrumnet Name : P7
Client Sample ID : PBW396 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:18:33 DataFile Name : 044CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.00	0.00	0.01	62.72	ppb
Lead	207-1	0.01	0.01	0.01	0.01	36.40	ppb
Lead	208-1	0.01	0.01	0.01	0.01	16.32	ppb
Lithium	6-1				113		%
Magnesium	24-2	-0.09	-0.16	-0.34	-0.20		ppb
Manganese	55-2	0.00	0.01	0.00	0.00	200.24	ppb
Molybdenum	94-1	0.03	0.01	0.03	0.02	36.12	ppb
Molybdenum	95-1	0.02	0.02	0.03	0.02	13.19	ppb
Molybdenum	96-1	0.02	0.03	0.02	0.03	34.60	ppb
Molybdenum	97-1	0.02	0.03	0.02	0.02	37.63	ppb
Molybdenum	98-1	0.02	0.03	0.03	0.03	17.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.11	0.11	0.07	0.10	27.36	ppb
Phosphorus	31-2	-15.42	-19.29	-22.65	-19.12		ppb
Potassium	39-2	-6.30	-5.33	-6.38	-6.01		ppb
Rhodium	103-1				105		%
Rhodium	103-2				103		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	82-1	0.36	0.48	0.39	0.41	15.07	ppb
Selenium	77-2	-0.20	0.09	-0.06	-0.06		ppb
Selenium	78-2	-0.67	-0.20	-0.92	-0.60		ppb
Silicon	28-1	-11.62	-9.54	-9.91	-10.36		ppb
Silver	107-1	0.01	0.01	0.01	0.01	17.56	ppb
Silver	109-1	0.01	0.01	0.01	0.01	20.72	ppb
Sodium	23-2	3.92	3.47	3.16	3.52	10.87	ppb
Strontium	86-1	-0.02	-0.01	-0.01	-0.01		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-282.35	-108.52	-36.15	-142.34		ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.01	0.01	0.01	36.18	ppb
Thallium	205-1	0.00	0.01	0.00	0.00	41.27	ppb
Tin	118-1	-0.02	-0.03	-0.02	-0.02		ppb
Titanium	47-1	0.00	0.01	0.01	0.01	46.73	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166396BL Instrumnet Name : P7
Client Sample ID : PBW396 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:18:33 DataFile Name : 044CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	1046.64	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				103		%
Yttrium	89-2				104		%
Zinc	66-2	0.00	-0.05	-0.01	-0.02		ppb
Zirconium	90-1	0.01	0.01	0.00	0.01	42.21	ppb
Zirconium	91-1	0.01	0.01	0.00	0.01	60.21	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166396BS Instrumnet Name : P7
Client Sample ID : LCS396 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:21:47 DataFile Name : 045LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9913.79	9808.33	9826.23	9849.45	0.57	ppb
Antimony	121-1	508.39	508.45	506.33	507.72	0.24	ppb
Arsenic	75-2	497.39	496.02	496.44	496.62	0.14	ppb
Barium	135-1	2508.25	2507.61	2521.36	2512.41	0.31	ppb
Barium	137-1	2496.36	2471.95	2518.80	2495.71	0.94	ppb
Beryllium	9-1	481.75	479.78	488.41	483.31	0.94	ppb
Bismuth	209-1				110		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	513.28	514.41	513.98	513.89	0.11	ppb
Cadmium	106-1	512.53	520.11	517.83	516.82	0.75	ppb
Cadmium	111-1	503.28	507.77	506.68	505.91	0.46	ppb
Calcium	43-1	50916.96	50997.71	50621.01	50845.23	0.39	ppb
Calcium	44-1	49241.47	49950.36	50475.59	49889.14	1.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	509.00	498.27	503.40	503.56	1.07	ppb
Cobalt	59-2	498.58	500.12	495.85	498.19	0.43	ppb
Copper	63-2	4969.64	5011.76	5001.40	4994.27	0.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	56-2	26149.20	26004.52	25943.84	26032.52	0.41	ppb
Iron	57-2	25868.79	25953.47	25611.52	25811.26	0.69	ppb
Iron	54-2	26395.56	26122.43	26325.18	26281.06	0.54	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166396BS Instrumnet Name : P7
Client Sample ID : LCS396 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:21:47 DataFile Name : 045LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2484.77	2464.49	2439.73	2463.00	0.92	ppb
Lead	207-1	2479.73	2481.08	2459.51	2473.44	0.49	ppb
Lead	208-1	2479.18	2466.88	2450.91	2465.66	0.57	ppb
Lithium	6-1				119		%
Magnesium	24-2	54177.43	53754.94	53074.91	53669.09	1.04	ppb
Manganese	55-2	5020.16	4985.45	4983.37	4996.33	0.41	ppb
Molybdenum	94-1	4935.40	4957.70	5019.69	4970.93	0.88	ppb
Molybdenum	95-1	4937.00	4917.99	4989.30	4948.10	0.75	ppb
Molybdenum	96-1	4908.87	4940.80	5005.10	4951.59	0.99	ppb
Molybdenum	97-1	4905.86	4954.66	4928.97	4929.83	0.50	ppb
Molybdenum	98-1	4878.68	4996.55	4915.34	4930.19	1.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	493.09	487.12	490.17	490.13	0.61	ppb
Phosphorus	31-2	10026.88	10027.40	9992.72	10015.67	0.20	ppb
Potassium	39-2	24757.57	24896.39	24894.83	24849.60	0.32	ppb
Rhodium	103-1				97		%
Rhodium	103-2				94		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	82-1	493.76	503.31	504.42	500.50	1.17	ppb
Selenium	77-2	498.81	507.74	495.14	500.56	1.29	ppb
Selenium	78-2	499.81	496.64	490.61	495.69	0.94	ppb
Silicon	28-1	410.61	407.41	414.95	410.99	0.92	ppb
Silver	107-1	524.19	519.39	515.87	519.82	0.80	ppb
Silver	109-1	519.39	523.39	514.01	518.93	0.91	ppb
Sodium	23-2	51865.02	51375.94	50638.43	51293.13	1.20	ppb
Strontium	86-1	496.32	492.45	492.11	493.62	0.47	ppb
Strontium	88-1	494.13	496.61	496.35	495.70	0.27	ppb
Sulfur	34-1	10071.20	10122.26	10136.86	10110.11	0.34	ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	490.18	482.12	488.31	486.87	0.87	ppb
Thallium	205-1	498.16	487.64	499.18	494.99	1.29	ppb
Tin	118-1	508.53	505.96	504.23	506.24	0.43	ppb
Titanium	47-1	5028.28	5036.83	4986.58	5017.23	0.54	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166396BS Instrumnet Name : P7
Client Sample ID : LCS396 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:21:47 DataFile Name : 045LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	475.25	476.67	483.40	478.44	0.91	ppb
Vanadium	51-2	503.81	494.83	496.08	498.24	0.98	ppb
Yttrium	89-1				100		%
Yttrium	89-2				97		%
Zinc	66-2	5062.13	5046.22	5018.74	5042.36	0.44	ppb
Zirconium	90-1	490.41	488.77	500.15	493.11	1.25	ppb
Zirconium	91-1	488.95	486.73	498.10	491.26	1.23	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166397BL Instrumnet Name : P7
Client Sample ID : PBS397 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:24:28 DataFile Name : 046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.42	0.27	0.54	0.41	32.85	ppb
Antimony	121-1	0.21	0.17	0.13	0.17	24.59	ppb
Arsenic	75-2	0.04	0.03	0.02	0.03	26.28	ppb
Barium	135-1	0.46	0.33	0.22	0.34	36.90	ppb
Barium	137-1	0.50	0.31	0.17	0.33	51.50	ppb
Beryllium	9-1	0.08	0.13	0.07	0.09	31.72	ppb
Bismuth	209-1				113		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.11	0.04	-0.03	0.04	166.96	ppb
Cadmium	106-1	-2.63	-2.71	-1.63	-2.32		ppb
Cadmium	111-1	0.06	-0.01	0.00	0.02	252.30	ppb
Calcium	43-1	7.15	0.31	-4.97	0.83	734.16	ppb
Calcium	44-1	2.54	-1.53	-2.58	-0.52		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.17	0.20	0.21	0.20	10.24	ppb
Cobalt	59-2	0.03	0.02	0.02	0.02	17.33	ppb
Copper	63-2	0.10	0.03	-0.01	0.04	127.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				103		%
Indium	115-1				100		%
Indium	115-2				97		%
Iron	56-2	1.55	1.30	1.04	1.30	19.56	ppb
Iron	57-2	-2.17	-0.67	-0.90	-1.25		ppb
Iron	54-2	0.90	0.68	0.57	0.71	23.63	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166397BL Instrumnet Name : P7
Client Sample ID : PBS397 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:24:28 DataFile Name : 046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.47	0.29	0.19	0.32	44.32	ppb
Lead	207-1	0.46	0.28	0.20	0.31	43.26	ppb
Lead	208-1	0.47	0.29	0.20	0.32	43.25	ppb
Lithium	6-1				119		%
Magnesium	24-2	1.93	1.89	1.46	1.76	15.08	ppb
Manganese	55-2	0.24	0.21	0.17	0.21	16.63	ppb
Molybdenum	94-1	1.15	0.75	0.56	0.82	36.39	ppb
Molybdenum	95-1	1.13	0.72	0.51	0.78	40.15	ppb
Molybdenum	96-1	1.10	0.75	0.50	0.78	38.69	ppb
Molybdenum	97-1	1.14	0.68	0.51	0.78	41.87	ppb
Molybdenum	98-1	1.11	0.73	0.53	0.79	37.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.11	0.17	0.17	0.15	20.41	ppb
Phosphorus	31-2	-20.45	-21.98	-24.95	-22.46		ppb
Potassium	39-2	-8.28	-8.74	-7.34	-8.12		ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				95		%
Scandium	45-2				96		%
Selenium	82-1	-0.08	-0.13	0.19	0.00		ppb
Selenium	77-2	-0.20	-0.05	-0.20	-0.15		ppb
Selenium	78-2	-0.98	-0.97	1.03	-0.30		ppb
Silicon	28-1	-27.84	-27.97	-27.99	-27.93		ppb
Silver	107-1	0.15	0.10	0.08	0.11	35.02	ppb
Silver	109-1	0.14	0.10	0.07	0.10	36.67	ppb
Sodium	23-2	12.33	13.09	11.90	12.44	4.86	ppb
Strontium	86-1	0.07	0.04	0.02	0.05	56.81	ppb
Strontium	88-1	0.09	0.05	0.04	0.06	44.92	ppb
Sulfur	34-1	-606.89	-600.91	-647.40	-618.40		ppb
Terbium	159-1				104		%
Terbium	159-2				103		%
Thallium	203-1	0.10	0.06	0.05	0.07	41.12	ppb
Thallium	205-1	0.10	0.06	0.05	0.07	36.52	ppb
Tin	118-1	0.08	0.03	0.01	0.04	89.99	ppb
Titanium	47-1	0.92	0.58	0.36	0.62	45.22	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166397BL Instrumnet Name : P7
Client Sample ID : PBS397 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:24:28 DataFile Name : 046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.09	0.05	0.04	0.06	45.77	ppb
Vanadium	51-2	0.03	0.02	0.02	0.02	28.66	ppb
Yttrium	89-1				99		%
Yttrium	89-2				97		%
Zinc	66-2	0.33	0.17	0.18	0.22	39.16	ppb
Zirconium	90-1	0.11	0.08	0.04	0.08	43.22	ppb
Zirconium	91-1	0.11	0.06	0.05	0.07	38.82	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166397BS Instrumnet Name : P7
Client Sample ID : LCS397 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:27:44 DataFile Name : 047LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9887.91	9767.66	9870.00	9841.86	0.66	ppb
Antimony	121-1	487.95	510.88	510.20	503.01	2.59	ppb
Arsenic	75-2	498.12	503.50	504.58	502.06	0.69	ppb
Barium	135-1	2424.25	2549.55	2515.70	2496.50	2.60	ppb
Barium	137-1	2428.43	2534.21	2516.54	2493.06	2.27	ppb
Beryllium	9-1	461.83	485.60	491.00	479.48	3.24	ppb
Bismuth	209-1				112		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	489.54	522.59	514.48	508.87	3.38	ppb
Cadmium	106-1	497.31	515.93	514.52	509.25	2.04	ppb
Cadmium	111-1	481.87	506.81	507.28	498.65	2.91	ppb
Calcium	43-1	48007.52	51015.51	51859.34	50294.13	4.03	ppb
Calcium	44-1	47360.51	50568.09	50687.25	49538.62	3.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	508.07	512.04	515.49	511.87	0.73	ppb
Cobalt	59-2	503.77	510.99	505.27	506.68	0.75	ppb
Copper	63-2	5044.18	5031.66	5036.25	5037.36	0.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	56-2	26077.10	26589.66	26464.59	26377.12	1.01	ppb
Iron	57-2	26115.82	26342.92	26359.27	26272.67	0.52	ppb
Iron	54-2	26703.75	26437.24	26597.82	26579.60	0.50	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166397BS Instrumnet Name : P7
Client Sample ID : LCS397 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:27:44 DataFile Name : 047LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2352.08	2465.99	2507.98	2442.02	3.30	ppb
Lead	207-1	2334.29	2484.95	2520.37	2446.53	4.04	ppb
Lead	208-1	2352.45	2481.68	2497.88	2444.00	3.26	ppb
Lithium	6-1				119		%
Magnesium	24-2	53646.17	53863.98	54472.41	53994.19	0.79	ppb
Manganese	55-2	5033.10	5056.39	5079.63	5056.37	0.46	ppb
Molybdenum	94-1	4835.95	4960.77	4977.18	4924.64	1.57	ppb
Molybdenum	95-1	4803.95	4947.63	4954.62	4902.07	1.73	ppb
Molybdenum	96-1	4772.19	4971.73	4978.26	4907.39	2.39	ppb
Molybdenum	97-1	4780.24	4981.98	4945.35	4902.52	2.19	ppb
Molybdenum	98-1	4766.58	4972.53	4922.81	4887.31	2.20	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	491.64	495.77	498.89	495.43	0.73	ppb
Phosphorus	31-2	10047.83	10146.61	10150.76	10115.07	0.58	ppb
Potassium	39-2	24969.47	24918.21	25309.91	25065.86	0.85	ppb
Rhodium	103-1				96		%
Rhodium	103-2				94		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	82-1	484.16	503.93	506.31	498.14	2.44	ppb
Selenium	77-2	498.26	500.15	511.08	503.16	1.37	ppb
Selenium	78-2	508.29	515.14	517.80	513.74	0.95	ppb
Silicon	28-1	412.52	449.54	447.83	436.63	4.79	ppb
Silver	107-1	495.17	529.01	517.07	513.75	3.34	ppb
Silver	109-1	497.79	521.14	508.92	509.29	2.29	ppb
Sodium	23-2	51070.68	50686.47	51669.17	51142.11	0.97	ppb
Strontium	86-1	482.40	498.31	496.44	492.38	1.77	ppb
Strontium	88-1	476.95	494.63	496.87	489.48	2.23	ppb
Sulfur	34-1	8948.23	9941.51	9912.14	9600.63	5.89	ppb
Terbium	159-1				107		%
Terbium	159-2				103		%
Thallium	203-1	474.95	496.19	497.37	489.50	2.58	ppb
Thallium	205-1	478.02	499.54	498.50	492.02	2.47	ppb
Tin	118-1	483.72	509.71	506.34	499.92	2.83	ppb
Titanium	47-1	4716.84	5040.03	4965.94	4907.61	3.45	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166397BS Instrumnet Name : P7
Client Sample ID : LCS397 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:27:44 DataFile Name : 047LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	457.16	488.54	492.66	479.45	4.05	ppb
Vanadium	51-2	500.51	502.99	511.67	505.06	1.16	ppb
Yttrium	89-1				101		%
Yttrium	89-2				96		%
Zinc	66-2	5003.15	5073.43	5088.59	5055.05	0.90	ppb
Zirconium	90-1	476.78	497.68	494.24	489.57	2.29	ppb
Zirconium	91-1	472.88	493.67	494.64	487.06	2.52	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166398BL Instrumnet Name : P7
Client Sample ID : PBW398 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:30:24 DataFile Name : 048CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.00	-0.05	0.08	0.01	488.23	ppb
Antimony	121-1	0.14	0.11	0.10	0.12	17.73	ppb
Arsenic	75-2	-0.02	-0.01	-0.02	-0.02		ppb
Barium	135-1	0.14	0.07	0.05	0.09	55.40	ppb
Barium	137-1	0.14	0.08	0.04	0.09	56.35	ppb
Beryllium	9-1	0.09	0.08	0.07	0.08	18.04	ppb
Bismuth	209-1				112		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.01	0.06	0.04	74.61	ppb
Cadmium	106-1	-2.28	-1.61	-3.33	-2.41		ppb
Cadmium	111-1	0.00	-0.01	-0.05	-0.02		ppb
Calcium	43-1	-7.94	-8.04	-5.90	-7.30		ppb
Calcium	44-1	-7.72	-8.90	-9.69	-8.77		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.26	0.19	0.18	0.21	20.72	ppb
Cobalt	59-2	0.01	0.01	0.00	0.01	28.57	ppb
Copper	63-2	-0.10	-0.13	-0.11	-0.12		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				105		%
Holmium	165-2				104		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	56-2	0.57	0.61	0.47	0.55	13.33	ppb
Iron	57-2	-2.63	-1.26	-1.96	-1.95		ppb
Iron	54-2	-0.08	-0.46	-0.63	-0.39		ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166398BL Instrumnet Name : P7
Client Sample ID : PBW398 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:30:24 DataFile Name : 048CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.18	0.13	0.08	0.13	39.56	ppb
Lead	207-1	0.18	0.12	0.08	0.13	38.42	ppb
Lead	208-1	0.18	0.11	0.08	0.12	39.60	ppb
Lithium	6-1				115		%
Magnesium	24-2	0.29	0.46	0.10	0.28	61.87	ppb
Manganese	55-2	0.08	0.06	0.08	0.07	20.91	ppb
Molybdenum	94-1	0.47	0.31	0.26	0.35	32.04	ppb
Molybdenum	95-1	0.52	0.33	0.22	0.36	41.89	ppb
Molybdenum	96-1	0.51	0.34	0.27	0.37	32.05	ppb
Molybdenum	97-1	0.54	0.33	0.25	0.37	39.40	ppb
Molybdenum	98-1	0.54	0.34	0.25	0.37	39.76	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.14	0.07	0.10	0.10	36.61	ppb
Phosphorus	31-2	-23.00	-21.54	-27.24	-23.93		ppb
Potassium	39-2	-6.98	-8.02	-8.59	-7.86		ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				95		%
Scandium	45-2				96		%
Selenium	82-1	0.07	-0.10	-0.08	-0.04		ppb
Selenium	77-2	-0.20	-0.05	-0.20	-0.15		ppb
Selenium	78-2	-1.53	-1.91	-1.78	-1.74		ppb
Silicon	28-1	-28.12	-27.90	-28.09	-28.04		ppb
Silver	107-1	0.07	0.05	0.04	0.05	31.46	ppb
Silver	109-1	0.08	0.05	0.04	0.06	35.35	ppb
Sodium	23-2	12.00	12.24	11.20	11.81	4.62	ppb
Strontium	86-1	0.00	-0.01	-0.01	0.00		ppb
Strontium	88-1	0.03	0.01	0.01	0.02	67.19	ppb
Sulfur	34-1	-677.32	-694.72	-673.82	-681.96		ppb
Terbium	159-1				104		%
Terbium	159-2				102		%
Thallium	203-1	0.05	0.03	0.03	0.04	33.01	ppb
Thallium	205-1	0.05	0.03	0.03	0.04	31.67	ppb
Tin	118-1	0.00	-0.04	-0.02	-0.02		ppb
Titanium	47-1	0.33	0.15	0.12	0.20	56.11	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166398BL Instrumnet Name : P7
Client Sample ID : PBW398 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:30:24 DataFile Name : 048CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.01	0.01	0.02	51.85	ppb
Vanadium	51-2	0.01	0.00	0.01	0.01	23.44	ppb
Yttrium	89-1				98		%
Yttrium	89-2				97		%
Zinc	66-2	-0.07	-0.10	-0.15	-0.11		ppb
Zirconium	90-1	0.05	0.03	0.02	0.03	37.73	ppb
Zirconium	91-1	0.04	0.03	0.03	0.03	17.56	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166398BS Instrumnet Name : P7
Client Sample ID : LCS398 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:41:41 DataFile Name : 051DLCW.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9912.98	9789.68	9707.90	9803.52	1.05	ppb
Antimony	121-1	504.10	509.39	511.71	508.40	0.77	ppb
Arsenic	75-2	497.37	499.02	498.80	498.40	0.18	ppb
Barium	135-1	2499.67	2538.24	2541.35	2526.42	0.92	ppb
Barium	137-1	2550.87	2515.39	2526.96	2531.07	0.71	ppb
Beryllium	9-1	477.30	494.02	491.09	487.47	1.83	ppb
Bismuth	209-1				110		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	503.11	510.96	501.87	505.31	0.98	ppb
Cadmium	106-1	508.34	513.18	500.06	507.20	1.31	ppb
Cadmium	111-1	495.17	502.66	496.60	498.14	0.80	ppb
Calcium	43-1	50077.98	50673.93	50686.73	50479.55	0.69	ppb
Calcium	44-1	49422.14	50025.03	50147.15	49864.77	0.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	503.56	504.08	502.77	503.47	0.13	ppb
Cobalt	59-2	504.43	510.32	510.73	508.49	0.69	ppb
Copper	63-2	4996.96	5083.57	5039.08	5039.87	0.86	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				104		%
Indium	115-1				99		%
Indium	115-2				96		%
Iron	56-2	26105.24	26184.09	26172.06	26153.79	0.16	ppb
Iron	57-2	26216.55	25936.22	25837.47	25996.75	0.76	ppb
Iron	54-2	26713.97	26419.43	26321.41	26484.94	0.77	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166398BS Instrumnet Name : P7
Client Sample ID : LCS398 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:41:41 DataFile Name : 051DLCW.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2443.68	2493.21	2489.50	2475.46	1.11	ppb
Lead	207-1	2439.86	2472.93	2484.03	2465.61	0.93	ppb
Lead	208-1	2448.99	2494.31	2485.28	2476.19	0.97	ppb
Lithium	6-1				114		%
Magnesium	24-2	54164.77	53682.09	53007.66	53618.17	1.08	ppb
Manganese	55-2	5002.68	5006.74	5028.83	5012.75	0.28	ppb
Molybdenum	94-1	4974.37	4980.06	4950.47	4968.30	0.32	ppb
Molybdenum	95-1	4861.15	4951.42	4977.33	4929.97	1.24	ppb
Molybdenum	96-1	4902.85	4981.12	4963.47	4949.15	0.83	ppb
Molybdenum	97-1	4921.77	4973.57	4969.64	4954.99	0.58	ppb
Molybdenum	98-1	4888.11	4981.03	4977.38	4948.84	1.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	493.85	492.80	491.04	492.57	0.29	ppb
Phosphorus	31-2	10056.64	9903.95	9910.69	9957.09	0.87	ppb
Potassium	39-2	25299.01	25026.99	24974.16	25100.05	0.69	ppb
Rhodium	103-1				98		%
Rhodium	103-2				95		%
Scandium	45-1				98		%
Scandium	45-2				96		%
Selenium	82-1	494.06	501.20	493.92	496.39	0.84	ppb
Selenium	77-2	488.24	497.00	486.94	490.73	1.11	ppb
Selenium	78-2	491.06	505.33	499.24	498.54	1.44	ppb
Silicon	28-1	436.55	439.18	444.76	440.17	0.95	ppb
Silver	107-1	518.58	517.25	512.65	516.16	0.60	ppb
Silver	109-1	514.75	519.37	511.49	515.21	0.77	ppb
Sodium	23-2	51533.98	50609.41	50564.65	50902.68	1.07	ppb
Strontium	86-1	493.06	504.92	492.41	496.80	1.42	ppb
Strontium	88-1	488.74	498.48	501.36	496.19	1.33	ppb
Sulfur	34-1	9463.95	9401.59	9725.94	9530.49	1.81	ppb
Terbium	159-1				107		%
Terbium	159-2				102		%
Thallium	203-1	482.23	485.61	482.28	483.37	0.40	ppb
Thallium	205-1	494.94	496.23	501.35	497.50	0.68	ppb
Tin	118-1	504.74	508.33	505.46	506.18	0.38	ppb
Titanium	47-1	4929.90	4989.99	4973.95	4964.61	0.63	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166398BS Instrumnet Name : P7
Client Sample ID : LCS398 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:41:41 DataFile Name : 051DLCW.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	471.16	486.86	487.76	481.93	1.94	ppb
Vanadium	51-2	506.75	514.13	500.74	507.21	1.32	ppb
Yttrium	89-1				101		%
Yttrium	89-2				97		%
Zinc	66-2	5044.22	5036.28	5032.52	5037.67	0.12	ppb
Zirconium	90-1	485.72	494.13	493.48	491.11	0.95	ppb
Zirconium	91-1	492.97	493.05	497.37	494.46	0.51	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV003 Instrumnet Name : P7
Client Sample ID : CCV003 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:44:22 DataFile Name : 052CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48727.31	49162.97	49646.43	49178.90	0.93	ppb
Antimony	121-1	463.28	476.02	477.99	472.43	1.69	ppb
Arsenic	75-2	475.18	480.09	467.86	474.38	1.30	ppb
Barium	135-1	2337.99	2422.00	2436.10	2398.70	2.21	ppb
Barium	137-1	2347.93	2423.76	2435.39	2402.36	1.98	ppb
Beryllium	9-1	451.30	481.19	473.13	468.54	3.30	ppb
Bismuth	209-1				105		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	451.91	473.13	462.89	462.64	2.29	ppb
Cadmium	106-1	454.19	464.23	470.31	462.91	1.76	ppb
Cadmium	111-1	441.48	453.81	457.62	450.97	1.87	ppb
Calcium	43-1	240216.66	250511.83	250943.76	247224.08	2.46	ppb
Calcium	44-1	235228.52	245831.75	249657.80	243572.69	3.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	488.49	488.28	493.11	489.96	0.56	ppb
Cobalt	59-2	474.37	479.76	481.22	478.45	0.75	ppb
Copper	63-2	4606.90	4653.05	4578.87	4612.94	0.81	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				104		%
Indium	115-1				96		%
Indium	115-2				93		%
Iron	56-2	127816.68	128655.50	128538.05	128336.74	0.35	ppb
Iron	57-2	128005.08	128877.58	128155.01	128345.89	0.36	ppb
Iron	54-2	127455.37	128136.55	128639.38	128077.10	0.46	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV003 Instrumnet Name : P7
Client Sample ID : CCV003 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:44:22 DataFile Name : 052CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2369.02	2464.39	2455.55	2429.65	2.17	ppb
Lead	207-1	2361.41	2475.26	2482.38	2439.68	2.78	ppb
Lead	208-1	2374.05	2462.79	2471.40	2436.08	2.21	ppb
Lithium	6-1				111		%
Magnesium	24-2	269449.27	271692.03	271275.10	270805.46	0.44	ppb
Manganese	55-2	4808.18	4842.48	4831.84	4827.50	0.36	ppb
Molybdenum	94-1	4721.92	4880.32	4926.61	4842.95	2.22	ppb
Molybdenum	95-1	4717.79	4898.47	4916.22	4844.16	2.27	ppb
Molybdenum	96-1	4751.36	4869.68	4924.44	4848.49	1.82	ppb
Molybdenum	97-1	4719.52	4865.21	4862.63	4815.78	1.73	ppb
Molybdenum	98-1	4683.71	4888.24	4904.55	4825.50	2.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	453.83	457.57	457.88	456.43	0.49	ppb
Phosphorus	31-2	9645.53	9649.18	9668.07	9654.26	0.13	ppb
Potassium	39-2	123868.88	124141.14	124444.61	124151.55	0.23	ppb
Rhodium	103-1				91		%
Rhodium	103-2				89		%
Scandium	45-1				95		%
Scandium	45-2				95		%
Selenium	82-1	443.73	457.32	460.64	453.90	1.97	ppb
Selenium	77-2	456.97	455.45	464.84	459.08	1.10	ppb
Selenium	78-2	459.02	466.80	452.22	459.35	1.59	ppb
Silicon	28-1	377.70	397.84	405.10	393.55	3.61	ppb
Silver	107-1	460.08	467.21	468.84	465.38	1.00	ppb
Silver	109-1	455.06	469.19	477.67	467.31	2.44	ppb
Sodium	23-2	250146.48	255163.64	249170.96	251493.70	1.28	ppb
Strontium	86-1	476.76	490.83	497.15	488.24	2.14	ppb
Strontium	88-1	468.41	488.74	493.53	483.56	2.76	ppb
Sulfur	34-1	8428.71	8981.59	8983.26	8797.86	3.63	ppb
Terbium	159-1				105		%
Terbium	159-2				103		%
Thallium	203-1	473.51	496.27	490.96	486.91	2.45	ppb
Thallium	205-1	476.26	497.17	494.60	489.34	2.33	ppb
Tin	118-1	462.72	483.52	490.24	478.83	3.00	ppb
Titanium	47-1	4588.58	4814.18	4911.52	4771.42	3.47	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV003 Instrumnet Name : P7
Client Sample ID : CCV003 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:44:22 DataFile Name : 052CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	481.59	508.65	503.83	498.03	2.90	ppb
Vanadium	51-2	489.38	490.11	493.04	490.84	0.39	ppb
Yttrium	89-1				97		%
Yttrium	89-2				96		%
Zinc	66-2	4540.10	4564.75	4537.73	4547.52	0.33	ppb
Zirconium	90-1	467.74	486.50	489.27	481.17	2.43	ppb
Zirconium	91-1	463.64	487.96	493.51	481.70	3.30	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB003 Instrumnet Name : P7
Client Sample ID : CCB003 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:50:20 DataFile Name : 054CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.13	-0.20	-0.11	-0.15		ppb
Antimony	121-1	0.05	0.04	0.04	0.04	15.35	ppb
Arsenic	75-2	-0.01	-0.02	-0.01	-0.01		ppb
Barium	135-1	0.01	0.00	0.00	0.00	155.08	ppb
Barium	137-1	0.01	0.01	0.00	0.01	152.39	ppb
Beryllium	9-1	0.07	0.03	0.05	0.05	36.77	ppb
Bismuth	209-1				115		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	0.00	-0.05	-0.02		ppb
Cadmium	106-1	-3.01	-3.26	-3.19	-3.15		ppb
Cadmium	111-1	-0.05	-0.07	-0.06	-0.06		ppb
Calcium	43-1	-5.92	-5.02	-6.74	-5.89		ppb
Calcium	44-1	-5.22	-5.21	-5.17	-5.20		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.20	0.21	0.23	0.21	7.00	ppb
Cobalt	59-2	0.00	-0.01	0.00	0.00		ppb
Copper	63-2	-0.19	-0.20	-0.18	-0.19		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				107		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	56-2	0.52	0.57	0.47	0.52	9.55	ppb
Iron	57-2	-2.68	-1.16	-2.71	-2.18		ppb
Iron	54-2	-0.17	-0.21	0.37	0.00		ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB003 Instrumnet Name : P7
Client Sample ID : CCB003 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:50:20 DataFile Name : 054CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.05	0.03	0.04	21.31	ppb
Lead	207-1	0.05	0.04	0.03	0.04	18.03	ppb
Lead	208-1	0.05	0.05	0.03	0.04	15.81	ppb
Lithium	6-1				118		%
Magnesium	24-2	-0.16	-0.32	-0.38	-0.29		ppb
Manganese	55-2	0.04	0.03	0.02	0.03	36.02	ppb
Molybdenum	94-1	0.08	0.09	0.06	0.08	19.78	ppb
Molybdenum	95-1	0.09	0.07	0.07	0.08	11.47	ppb
Molybdenum	96-1	0.07	0.10	0.07	0.08	19.84	ppb
Molybdenum	97-1	0.09	0.08	0.07	0.08	10.05	ppb
Molybdenum	98-1	0.09	0.09	0.06	0.08	18.78	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.10	0.08	0.04	0.07	45.23	ppb
Phosphorus	31-2	-24.87	-23.85	-29.35	-26.02		ppb
Potassium	39-2	-9.68	-8.72	-9.14	-9.18		ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				98		%
Scandium	45-2				100		%
Selenium	82-1	-0.51	-0.14	-0.06	-0.23		ppb
Selenium	77-2	-0.20	-0.20	-0.20	-0.20		ppb
Selenium	78-2	-1.00	-1.04	0.02	-0.67		ppb
Silicon	28-1	-28.69	-27.88	-27.84	-28.14		ppb
Silver	107-1	0.01	0.02	0.01	0.01	52.13	ppb
Silver	109-1	0.01	0.01	0.01	0.01	1.65	ppb
Sodium	23-2	14.80	15.45	15.21	15.16	2.16	ppb
Strontium	86-1	-0.03	-0.02	-0.01	-0.02		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-687.70	-558.08	-546.90	-597.56		ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	0.02	0.02	0.02	0.02	3.68	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	10.89	ppb
Tin	118-1	-0.03	-0.03	-0.03	-0.03		ppb
Titanium	47-1	0.03	0.03	0.01	0.03	37.45	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB003 Instrumnet Name : P7
Client Sample ID : CCB003 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:50:20 DataFile Name : 054CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	48.11	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				101		%
Yttrium	89-2				101		%
Zinc	66-2	-0.07	-0.05	0.02	-0.04		ppb
Zirconium	90-1	0.00	0.01	0.01	0.01	36.96	ppb
Zirconium	91-1	0.00	0.01	0.02	0.01	72.76	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166136BL Instrumnet Name : P7
Client Sample ID : PBW136 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:04:27 DataFile Name : 055CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.06	0.33	0.23	0.21	64.80	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	9.11	ppb
Arsenic	75-2	-0.03	0.00	-0.02	-0.01		ppb
Barium	135-1	0.00	0.00	0.00	0.00		ppb
Barium	137-1	0.00	0.00	0.00	0.00		ppb
Beryllium	9-1	0.03	0.01	0.03	0.02	60.82	ppb
Bismuth	209-1				112		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.06	-0.01	-0.08	-0.01		ppb
Cadmium	106-1	-4.59	-4.04	-2.87	-3.83		ppb
Cadmium	111-1	-0.10	-0.09	-0.06	-0.08		ppb
Calcium	43-1	-5.87	-6.42	-7.17	-6.49		ppb
Calcium	44-1	-7.30	-7.23	-6.45	-7.00		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.23	0.20	0.20	0.21	7.00	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	-0.19	-0.19	-0.18	-0.19		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				105		%
Iron	56-2	0.50	0.67	0.49	0.55	18.13	ppb
Iron	57-2	-2.36	-1.41	-1.35	-1.71		ppb
Iron	54-2	0.19	0.90	0.52	0.54	66.08	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166136BL Instrumnet Name : P7
Client Sample ID : PBW136 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:04:27 DataFile Name : 055CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.02	0.02	0.02	7.43	ppb
Lead	207-1	0.02	0.01	0.02	0.01	24.01	ppb
Lead	208-1	0.02	0.01	0.02	0.02	13.66	ppb
Lithium	6-1				111		%
Magnesium	24-2	-0.33	-0.23	-0.36	-0.31		ppb
Manganese	55-2	0.01	0.01	-0.01	0.00	1101.91	ppb
Molybdenum	94-1	0.04	0.03	0.05	0.04	26.96	ppb
Molybdenum	95-1	0.03	0.04	0.03	0.03	10.98	ppb
Molybdenum	96-1	0.02	0.03	0.04	0.03	34.16	ppb
Molybdenum	97-1	0.04	0.03	0.02	0.03	20.01	ppb
Molybdenum	98-1	0.03	0.04	0.03	0.03	9.75	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.04	0.05	0.09	0.06	45.94	ppb
Phosphorus	31-2	-25.51	-19.56	-21.64	-22.24		ppb
Potassium	39-2	-7.82	-7.61	-7.75	-7.73		ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	-0.17	0.14	0.06	0.01	1383.41	ppb
Selenium	77-2	-0.20	-0.20	-0.20	-0.20		ppb
Selenium	78-2	-1.33	-0.67	-1.24	-1.08		ppb
Silicon	28-1	-27.79	-26.21	-25.98	-26.66		ppb
Silver	107-1	0.00	0.00	0.00	0.00	66.18	ppb
Silver	109-1	0.00	0.00	0.00	0.00	23.08	ppb
Sodium	23-2	4.71	5.73	5.13	5.19	9.88	ppb
Strontium	86-1	-0.02	-0.02	-0.01	-0.02		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-495.70	-359.06	-295.76	-383.51		ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.00	0.01	0.01	17.00	ppb
Thallium	205-1	0.01	0.01	0.00	0.01	31.57	ppb
Tin	118-1	-0.03	-0.03	-0.03	-0.03		ppb
Titanium	47-1	0.00	-0.01	0.00	0.00		ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166136BL Instrumnet Name : P7
Client Sample ID : PBW136 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:04:27 DataFile Name : 055CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				104		%
Yttrium	89-2				103		%
Zinc	66-2	-0.03	-0.09	-0.05	-0.06		ppb
Zirconium	90-1	0.00	0.00	0.01	0.00	14.37	ppb
Zirconium	91-1	0.00	0.00	0.01	0.00	51.99	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166136BS Instrumnet Name : P7
Client Sample ID : LCS136 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:07:43 DataFile Name : 056LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	35.58	35.85	36.33	35.92	1.05	ppb
Antimony	121-1	3.58	3.66	3.66	3.63	1.27	ppb
Arsenic	75-2	2.02	2.13	2.06	2.07	2.74	ppb
Barium	135-1	17.86	18.40	17.71	17.99	2.02	ppb
Barium	137-1	18.03	18.44	18.25	18.24	1.11	ppb
Beryllium	9-1	1.93	1.92	2.04	1.96	3.45	ppb
Bismuth	209-1				111		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.91	2.02	1.32	1.75	21.59	ppb
Cadmium	106-1	0.45	-1.32	-0.54	-0.47		ppb
Cadmium	111-1	1.84	1.80	1.96	1.87	4.26	ppb
Calcium	43-1	910.10	954.92	955.64	940.22	2.77	ppb
Calcium	44-1	921.27	932.79	944.50	932.85	1.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.80	3.71	3.74	3.75	1.23	ppb
Cobalt	59-2	1.82	1.86	1.89	1.86	1.85	ppb
Copper	63-2	3.96	3.89	4.02	3.96	1.56	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				107		%
Indium	115-1				105		%
Indium	115-2				104		%
Iron	56-2	402.15	397.46	399.33	399.65	0.59	ppb
Iron	57-2	400.89	398.07	397.88	398.95	0.42	ppb
Iron	54-2	406.07	413.84	404.65	408.18	1.21	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166136BS Instrumnet Name : P7
Client Sample ID : LCS136 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:07:43 DataFile Name : 056LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.77	1.80	1.80	1.79	0.93	ppb
Lead	207-1	1.76	1.70	1.75	1.74	1.68	ppb
Lead	208-1	1.73	1.74	1.77	1.75	1.22	ppb
Lithium	6-1				112		%
Magnesium	24-2	921.29	912.41	912.32	915.34	0.56	ppb
Manganese	55-2	1.89	1.87	1.86	1.87	0.78	ppb
Molybdenum	94-1	10.28	10.63	10.67	10.53	2.02	ppb
Molybdenum	95-1	8.77	9.19	9.04	9.00	2.39	ppb
Molybdenum	96-1	9.01	9.47	9.12	9.20	2.60	ppb
Molybdenum	97-1	8.77	9.29	9.00	9.02	2.91	ppb
Molybdenum	98-1	8.68	9.18	9.05	8.97	2.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.08	2.01	2.03	2.04	1.62	ppb
Phosphorus	31-2	23.79	20.04	22.68	22.17	8.68	ppb
Potassium	39-2	953.93	958.91	950.07	954.30	0.46	ppb
Rhodium	103-1				104		%
Rhodium	103-2				104		%
Scandium	45-1				103		%
Scandium	45-2				103		%
Selenium	82-1	8.95	9.69	9.08	9.24	4.27	ppb
Selenium	77-2	10.35	7.31	10.02	9.23	18.04	ppb
Selenium	78-2	8.04	9.61	8.65	8.77	9.02	ppb
Silicon	28-1	-7.47	-7.08	-7.81	-7.45		ppb
Silver	107-1	1.85	1.88	1.89	1.87	1.22	ppb
Silver	109-1	1.85	1.90	1.89	1.88	1.29	ppb
Sodium	23-2	903.09	903.81	891.42	899.44	0.77	ppb
Strontium	86-1	1.70	1.74	1.62	1.69	3.54	ppb
Strontium	88-1	1.66	1.72	1.75	1.71	2.58	ppb
Sulfur	34-1	-278.06	-294.13	-196.17	-256.12		ppb
Terbium	159-1				107		%
Terbium	159-2				106		%
Thallium	203-1	1.62	1.70	1.70	1.68	2.76	ppb
Thallium	205-1	1.66	1.70	1.72	1.69	1.84	ppb
Tin	118-1	8.94	9.21	9.06	9.07	1.52	ppb
Titanium	47-1	9.56	9.66	9.40	9.54	1.33	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166136BS Instrumnet Name : P7
Client Sample ID : LCS136 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:07:43 DataFile Name : 056LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.57	1.61	1.62	1.60	1.37	ppb
Vanadium	51-2	9.31	9.22	8.96	9.16	1.99	ppb
Yttrium	89-1				104		%
Yttrium	89-2				103		%
Zinc	66-2	9.74	9.69	9.56	9.66	0.99	ppb
Zirconium	90-1	1.71	1.79	1.78	1.76	2.59	ppb
Zirconium	91-1	1.72	1.79	1.75	1.75	2.03	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-01 Instrumnet Name : P7
Client Sample ID : MC0AF9 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:11:03 DataFile Name : 057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	95.70	96.26	97.26	96.41	0.82	ppb
Antimony	121-1	0.08	0.07	0.08	0.08	6.73	ppb
Arsenic	75-2	0.41	0.46	0.45	0.44	5.77	ppb
Barium	135-1	23.32	24.39	24.44	24.05	2.63	ppb
Barium	137-1	23.52	24.78	25.03	24.44	3.30	ppb
Beryllium	9-1	0.03	0.06	0.03	0.04	41.04	ppb
Bismuth	209-1				112		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.00	0.07	-0.05	0.01	682.06	ppb
Cadmium	106-1	-2.28	-1.69	-2.24	-2.07		ppb
Cadmium	111-1	-0.04	-0.02	-0.03	-0.03		ppb
Calcium	43-1	21905.54	23229.57	23051.41	22728.84	3.16	ppb
Calcium	44-1	21118.68	22418.00	22384.30	21973.66	3.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.11	0.12	0.12	0.12	7.00	ppb
Cobalt	59-2	0.13	0.14	0.13	0.13	4.69	ppb
Copper	63-2	0.75	0.77	0.70	0.74	4.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				106		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	56-2	114.89	114.34	114.99	114.74	0.31	ppb
Iron	57-2	283.15	278.93	278.80	280.29	0.88	ppb
Iron	54-2	117.12	120.44	115.80	117.79	2.03	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-01 Instrumnet Name : P7
Client Sample ID : MC0AF9 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:11:03 DataFile Name : 057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.35	0.36	0.38	0.36	4.06	ppb
Lead	207-1	0.32	0.35	0.32	0.33	4.25	ppb
Lead	208-1	0.33	0.34	0.35	0.34	2.16	ppb
Lithium	6-1				112		%
Magnesium	24-2	7258.14	7308.19	7274.14	7280.15	0.35	ppb
Manganese	55-2	42.00	41.71	42.15	41.95	0.54	ppb
Molybdenum	94-1	0.52	0.50	0.58	0.53	7.37	ppb
Molybdenum	95-1	0.54	0.57	0.58	0.56	3.84	ppb
Molybdenum	96-1	0.56	0.53	0.60	0.56	6.11	ppb
Molybdenum	97-1	0.56	0.55	0.57	0.56	1.70	ppb
Molybdenum	98-1	0.54	0.55	0.58	0.56	4.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.17	0.21	0.14	0.18	19.32	ppb
Phosphorus	31-2	-6.26	-7.91	-3.90	-6.02		ppb
Potassium	39-2	2028.60	2050.11	2056.92	2045.21	0.72	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				103		%
Scandium	45-2				102		%
Selenium	82-1	0.27	0.21	0.17	0.21	24.33	ppb
Selenium	77-2	-0.06	0.09	-0.20	-0.05		ppb
Selenium	78-2	-0.60	-1.03	-0.27	-0.63		ppb
Silicon	28-1	987.85	1087.35	1070.02	1048.41	5.07	ppb
Silver	107-1	0.01	0.01	0.01	0.01	31.75	ppb
Silver	109-1	0.01	0.01	0.01	0.01	17.41	ppb
Sodium	23-2	13136.92	13164.51	13057.62	13119.69	0.42	ppb
Strontium	86-1	165.24	174.38	174.94	171.52	3.18	ppb
Strontium	88-1	171.82	180.19	180.42	177.48	2.76	ppb
Sulfur	34-1	8168.56	8805.10	8518.11	8497.26	3.75	ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	0.02	0.02	0.01	0.01	28.46	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	4.24	ppb
Tin	118-1	0.15	0.15	0.14	0.15	4.75	ppb
Titanium	47-1	3.61	3.67	3.74	3.68	1.77	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-01 Instrumnet Name : P7
Client Sample ID : MC0AF9 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:11:03 DataFile Name : 057SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.11	0.11	0.12	0.11	4.77	ppb
Vanadium	51-2	0.61	0.54	0.58	0.58	6.85	ppb
Yttrium	89-1				105		%
Yttrium	89-2				103		%
Zinc	66-2	2.70	2.70	2.77	2.72	1.45	ppb
Zirconium	90-1	0.06	0.05	0.05	0.06	15.33	ppb
Zirconium	91-1	0.07	0.06	0.03	0.05	36.44	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-02 Instrumnet Name : P7
Client Sample ID : MC0AH2 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:14:12 DataFile Name : 058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	54.63	54.24	59.70	56.19	5.42	ppb
Antimony	121-1	0.08	0.08	0.07	0.08	5.99	ppb
Arsenic	75-2	0.26	0.23	0.20	0.23	12.18	ppb
Barium	135-1	24.35	24.32	24.43	24.36	0.22	ppb
Barium	137-1	24.59	24.59	25.09	24.76	1.16	ppb
Beryllium	9-1	0.03	0.02	0.01	0.02	44.74	ppb
Bismuth	209-1				111		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.04	-0.06	0.00	1261.74	ppb
Cadmium	106-1	-2.16	-2.62	-2.12	-2.30		ppb
Cadmium	111-1	-0.03	-0.05	-0.03	-0.04		ppb
Calcium	43-1	18183.47	18282.33	18350.90	18272.23	0.46	ppb
Calcium	44-1	17819.65	17508.62	17739.78	17689.35	0.91	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	0.01	-0.01	-0.01		ppb
Cobalt	59-2	0.07	0.08	0.07	0.07	7.32	ppb
Copper	63-2	0.99	0.90	0.93	0.94	5.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				106		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	61.26	61.34	62.46	61.68	1.08	ppb
Iron	57-2	186.64	191.72	199.45	192.61	3.35	ppb
Iron	54-2	61.89	64.26	62.45	62.87	1.97	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-02 Instrumnet Name : P7
Client Sample ID : MC0AH2 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:14:12 DataFile Name : 058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.14	0.13	0.13	0.13	7.17	ppb
Lead	207-1	0.12	0.13	0.14	0.13	6.80	ppb
Lead	208-1	0.13	0.12	0.13	0.13	3.82	ppb
Lithium	6-1				113		%
Magnesium	24-2	6491.29	6446.64	6479.29	6472.41	0.36	ppb
Manganese	55-2	27.21	27.80	27.18	27.40	1.27	ppb
Molybdenum	94-1	0.47	0.47	0.47	0.47	0.46	ppb
Molybdenum	95-1	0.43	0.45	0.48	0.45	5.16	ppb
Molybdenum	96-1	0.45	0.47	0.45	0.46	2.90	ppb
Molybdenum	97-1	0.48	0.43	0.48	0.46	5.83	ppb
Molybdenum	98-1	0.47	0.46	0.47	0.47	1.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.10	0.07	0.04	0.07	43.69	ppb
Phosphorus	31-2	-3.87	-8.63	-8.08	-6.86		ppb
Potassium	39-2	2036.29	1988.23	1972.69	1999.07	1.66	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.25	0.26	0.35	0.28	19.13	ppb
Selenium	77-2	0.25	0.25	0.39	0.29	27.09	ppb
Selenium	78-2	-0.34	-1.75	-0.37	-0.82		ppb
Silicon	28-1	1079.73	1086.19	1079.24	1081.72	0.36	ppb
Silver	107-1	0.01	0.00	0.01	0.01	45.10	ppb
Silver	109-1	0.01	0.01	0.01	0.01	9.99	ppb
Sodium	23-2	13838.30	13886.27	13880.35	13868.31	0.19	ppb
Strontium	86-1	144.22	146.45	145.79	145.49	0.79	ppb
Strontium	88-1	148.15	151.42	147.69	149.08	1.36	ppb
Sulfur	34-1	5484.96	5438.23	5389.17	5437.45	0.88	ppb
Terbium	159-1				106		%
Terbium	159-2				106		%
Thallium	203-1	0.01	0.01	0.01	0.01	41.27	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	14.83	ppb
Tin	118-1	0.07	0.05	0.07	0.06	17.83	ppb
Titanium	47-1	1.81	2.02	1.75	1.86	7.83	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-02 Instrumnet Name : P7
Client Sample ID : MC0AH2 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:14:12 DataFile Name : 058SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.02	0.02	0.02	14.94	ppb
Vanadium	51-2	0.42	0.44	0.41	0.42	3.76	ppb
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	1.70	1.56	1.50	1.59	6.56	ppb
Zirconium	90-1	0.05	0.04	0.04	0.04	14.85	ppb
Zirconium	91-1	0.04	0.03	0.07	0.05	35.34	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-03 Instrumnet Name : P7
Client Sample ID : MC0AH3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:17:25 DataFile Name : 059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	241.00	235.00	245.84	240.62	2.26	ppb
Antimony	121-1	0.08	0.08	0.07	0.08	6.95	ppb
Arsenic	75-2	0.64	0.60	0.62	0.62	3.33	ppb
Barium	135-1	24.42	24.86	24.80	24.70	0.97	ppb
Barium	137-1	24.31	24.89	25.04	24.74	1.56	ppb
Beryllium	9-1	0.05	0.09	0.03	0.06	50.10	ppb
Bismuth	209-1				112		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.04	0.04	-0.03	0.02	252.43	ppb
Cadmium	106-1	-2.70	-1.56	-3.18	-2.48		ppb
Cadmium	111-1	-0.04	-0.02	-0.05	-0.04		ppb
Calcium	43-1	21059.68	21408.95	21812.31	21426.98	1.76	ppb
Calcium	44-1	20273.08	20928.54	21096.76	20766.13	2.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.48	0.47	0.45	0.47	3.37	ppb
Cobalt	59-2	0.27	0.25	0.26	0.26	4.30	ppb
Copper	63-2	1.16	1.15	1.12	1.14	1.68	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				106		%
Indium	115-1				103		%
Indium	115-2				101		%
Iron	56-2	308.95	313.75	314.31	312.34	0.94	ppb
Iron	57-2	459.03	460.50	464.82	461.45	0.65	ppb
Iron	54-2	317.88	316.34	317.79	317.34	0.27	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-03 Instrumnet Name : P7
Client Sample ID : MC0AH3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:17:25 DataFile Name : 059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.45	0.46	0.46	0.46	0.98	ppb
Lead	207-1	0.43	0.41	0.46	0.43	5.14	ppb
Lead	208-1	0.43	0.44	0.46	0.44	3.89	ppb
Lithium	6-1				113		%
Magnesium	24-2	7136.81	6927.82	6996.21	7020.28	1.52	ppb
Manganese	55-2	102.87	102.02	102.88	102.59	0.48	ppb
Molybdenum	94-1	0.74	0.77	0.77	0.76	2.08	ppb
Molybdenum	95-1	0.70	0.71	0.71	0.71	1.19	ppb
Molybdenum	96-1	0.70	0.74	0.72	0.72	2.64	ppb
Molybdenum	97-1	0.69	0.74	0.76	0.73	4.58	ppb
Molybdenum	98-1	0.68	0.74	0.73	0.72	4.47	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.47	0.32	0.38	0.39	19.30	ppb
Phosphorus	31-2	6.82	0.49	9.45	5.59	82.48	ppb
Potassium	39-2	2203.04	2216.97	2212.32	2210.78	0.32	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	-0.21	-0.22	0.31	-0.04		ppb
Selenium	77-2	0.24	0.54	0.10	0.29	76.61	ppb
Selenium	78-2	-1.53	-1.56	-0.86	-1.32		ppb
Silicon	28-1	1111.69	1130.83	1142.32	1128.28	1.37	ppb
Silver	107-1	0.00	0.00	0.01	0.00	44.09	ppb
Silver	109-1	0.00	0.00	0.00	0.00	9.22	ppb
Sodium	23-2	12704.33	12603.90	12738.59	12682.27	0.55	ppb
Strontium	86-1	171.27	176.84	178.23	175.45	2.10	ppb
Strontium	88-1	175.90	181.72	183.26	180.29	2.15	ppb
Sulfur	34-1	5613.63	5759.49	5943.76	5772.29	2.87	ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.01	0.02	0.01	24.94	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	8.17	ppb
Tin	118-1	0.13	0.13	0.14	0.13	1.68	ppb
Titanium	47-1	8.35	8.71	8.96	8.67	3.50	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-03 Instrumnet Name : P7
Client Sample ID : MC0AH3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:17:25 DataFile Name : 059SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.16	0.16	0.17	0.16	2.06	ppb
Vanadium	51-2	0.94	0.91	0.93	0.93	1.92	ppb
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	2.98	3.15	3.04	3.06	2.72	ppb
Zirconium	90-1	0.08	0.07	0.08	0.08	4.19	ppb
Zirconium	91-1	0.07	0.08	0.09	0.08	13.40	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-04 Instrumnet Name : P7
Client Sample ID : MC0AF8 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:20:34 DataFile Name : 060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	317.80	318.58	317.30	317.89	0.20	ppb
Antimony	121-1	15.22	15.59	15.52	15.44	1.25	ppb
Arsenic	75-2	5.68	5.92	5.84	5.82	2.11	ppb
Barium	135-1	36.80	37.94	37.56	37.43	1.54	ppb
Barium	137-1	37.05	38.26	37.51	37.61	1.62	ppb
Beryllium	9-1	0.03	0.04	0.06	0.05	38.32	ppb
Bismuth	209-1				109		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.63	0.89	0.68	0.73	18.73	ppb
Cadmium	106-1	-1.18	-1.47	-2.94	-1.86		ppb
Cadmium	111-1	0.19	0.16	0.16	0.17	9.95	ppb
Calcium	43-1	49334.19	50311.85	50226.50	49957.51	1.08	ppb
Calcium	44-1	47884.68	48970.38	48577.95	48477.67	1.13	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.70	1.63	1.57	1.63	4.11	ppb
Cobalt	59-2	0.39	0.39	0.40	0.39	1.41	ppb
Copper	63-2	3.30	3.26	3.21	3.25	1.40	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				106		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	56-2	473.29	479.08	477.40	476.59	0.63	ppb
Iron	57-2	827.80	835.76	836.49	833.35	0.58	ppb
Iron	54-2	483.79	481.88	474.93	480.20	0.97	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-04 Instrumnet Name : P7
Client Sample ID : MC0AF8 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:20:34 DataFile Name : 060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.53	0.54	0.54	0.53	1.67	ppb
Lead	207-1	0.48	0.51	0.48	0.49	3.74	ppb
Lead	208-1	0.49	0.51	0.52	0.50	2.45	ppb
Lithium	6-1				112		%
Magnesium	24-2	10266.33	10154.98	9984.97	10135.43	1.40	ppb
Manganese	55-2	42.47	43.15	42.69	42.77	0.81	ppb
Molybdenum	94-1	13.37	13.60	13.58	13.52	0.94	ppb
Molybdenum	95-1	15.94	16.42	15.94	16.10	1.70	ppb
Molybdenum	96-1	15.70	15.93	15.91	15.85	0.82	ppb
Molybdenum	97-1	16.21	16.31	16.26	16.26	0.32	ppb
Molybdenum	98-1	15.93	16.34	16.26	16.18	1.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.27	1.25	1.18	1.23	3.52	ppb
Phosphorus	31-2	72.10	64.20	72.92	69.74	6.91	ppb
Potassium	39-2	1840.31	1827.55	1788.72	1818.86	1.48	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				98		%
Scandium	45-2				101		%
Selenium	82-1	-0.23	0.13	0.32	0.07	386.82	ppb
Selenium	77-2	-0.05	-0.05	-0.05	-0.05		ppb
Selenium	78-2	-0.68	-1.30	-0.06	-0.68		ppb
Silicon	28-1	1755.12	1798.46	1787.31	1780.30	1.26	ppb
Silver	107-1	0.03	0.03	0.03	0.03	7.47	ppb
Silver	109-1	0.03	0.03	0.04	0.03	6.89	ppb
Sodium	23-2	32181.32	31995.45	31832.00	32002.92	0.55	ppb
Strontium	86-1	1891.08	1908.70	1925.75	1908.51	0.91	ppb
Strontium	88-1	1912.73	1920.17	1918.35	1917.08	0.20	ppb
Sulfur	34-1	13325.29	13732.13	13687.36	13581.59	1.64	ppb
Terbium	159-1				106		%
Terbium	159-2				104		%
Thallium	203-1	0.05	0.05	0.06	0.05	12.94	ppb
Thallium	205-1	0.05	0.06	0.06	0.06	2.81	ppb
Tin	118-1	0.25	0.27	0.29	0.27	5.94	ppb
Titanium	47-1	7.96	8.07	7.98	8.00	0.74	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-04 Instrumnet Name : P7
Client Sample ID : MC0AF8 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:20:34 DataFile Name : 060SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.72	4.77	4.78	4.75	0.70	ppb
Vanadium	51-2	2.82	2.83	2.71	2.79	2.31	ppb
Yttrium	89-1				101		%
Yttrium	89-2				103		%
Zinc	66-2	12.52	12.58	12.52	12.54	0.29	ppb
Zirconium	90-1	0.17	0.17	0.18	0.17	3.20	ppb
Zirconium	91-1	0.20	0.16	0.16	0.17	11.62	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-05 Instrumnet Name : P7
Client Sample ID : MC0AF8D Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:23:44 DataFile Name : 061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	319.87	318.01	325.26	321.04	1.17	ppb
Antimony	121-1	15.45	15.41	15.43	15.43	0.15	ppb
Arsenic	75-2	5.78	5.82	5.69	5.76	1.12	ppb
Barium	135-1	37.24	37.99	38.10	37.78	1.24	ppb
Barium	137-1	37.44	37.86	38.47	37.92	1.36	ppb
Beryllium	9-1	0.04	0.04	0.06	0.04	25.15	ppb
Bismuth	209-1				110		%
Bismuth	209-2				106		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.52	0.57	0.71	0.60	16.42	ppb
Cadmium	106-1	-1.55	-1.68	-1.34	-1.52		ppb
Cadmium	111-1	0.20	0.16	0.23	0.20	16.88	ppb
Calcium	43-1	49264.12	50254.73	50394.60	49971.15	1.23	ppb
Calcium	44-1	48149.04	48817.94	48255.45	48407.48	0.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.68	1.64	1.69	1.67	1.71	ppb
Cobalt	59-2	0.39	0.42	0.41	0.41	4.59	ppb
Copper	63-2	3.35	3.30	3.23	3.29	1.75	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	479.69	474.11	486.30	480.03	1.27	ppb
Iron	57-2	826.34	830.78	839.40	832.17	0.80	ppb
Iron	54-2	484.07	482.62	486.17	484.29	0.37	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-05 Instrumnet Name : P7
Client Sample ID : MC0AF8D Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:23:44 DataFile Name : 061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.54	0.53	0.53	0.53	1.10	ppb
Lead	207-1	0.50	0.49	0.49	0.50	0.94	ppb
Lead	208-1	0.51	0.50	0.51	0.51	0.90	ppb
Lithium	6-1				113		%
Magnesium	24-2	10201.37	10152.11	10222.05	10191.84	0.35	ppb
Manganese	55-2	43.53	43.43	44.06	43.67	0.77	ppb
Molybdenum	94-1	13.75	13.85	13.63	13.75	0.80	ppb
Molybdenum	95-1	16.24	16.22	16.14	16.20	0.35	ppb
Molybdenum	96-1	15.94	15.86	15.83	15.88	0.33	ppb
Molybdenum	97-1	16.29	16.37	16.32	16.33	0.26	ppb
Molybdenum	98-1	16.05	16.24	16.30	16.20	0.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.16	1.28	1.26	1.23	5.20	ppb
Phosphorus	31-2	75.05	77.57	61.56	71.39	12.06	ppb
Potassium	39-2	1838.69	1835.94	1825.43	1833.35	0.38	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				98		%
Scandium	45-2				99		%
Selenium	82-1	0.04	0.02	0.43	0.16	140.36	ppb
Selenium	77-2	-0.05	-0.20	0.10	-0.05		ppb
Selenium	78-2	0.47	-1.78	-1.07	-0.79		ppb
Silicon	28-1	1764.91	1772.36	1779.87	1772.38	0.42	ppb
Silver	107-1	0.03	0.03	0.03	0.03	11.95	ppb
Silver	109-1	0.03	0.03	0.03	0.03	15.21	ppb
Sodium	23-2	32204.71	32221.11	32564.86	32330.23	0.63	ppb
Strontium	86-1	1909.79	1916.62	1908.69	1911.70	0.22	ppb
Strontium	88-1	1898.31	1901.69	1908.54	1902.85	0.27	ppb
Sulfur	34-1	13406.42	13482.54	13657.81	13515.59	0.95	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	0.05	0.04	0.06	0.05	15.58	ppb
Thallium	205-1	0.05	0.05	0.05	0.05	2.36	ppb
Tin	118-1	0.28	0.28	0.27	0.28	3.05	ppb
Titanium	47-1	8.52	8.14	8.69	8.45	3.29	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-05 Instrumnet Name : P7
Client Sample ID : MC0AF8D Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:23:44 DataFile Name : 061SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.65	4.74	4.83	4.74	1.91	ppb
Vanadium	51-2	2.81	2.87	2.76	2.81	1.97	ppb
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	13.00	12.86	12.94	12.93	0.55	ppb
Zirconium	90-1	0.16	0.17	0.16	0.17	3.78	ppb
Zirconium	91-1	0.18	0.20	0.18	0.19	6.81	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-04LX5 Instrumnet Name : P7
Client Sample ID : MC0AF8L Dilution Factor : 5
Date & Time Acquired : 2025-01-21 17:26:53 DataFile Name : 062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	63.83	66.61	62.68	64.37	3.14	ppb
Antimony	121-1	3.01	3.17	3.12	3.10	2.58	ppb
Arsenic	75-2	1.20	1.11	1.19	1.17	3.96	ppb
Barium	135-1	7.33	7.68	7.63	7.55	2.55	ppb
Barium	137-1	7.44	7.60	7.59	7.54	1.15	ppb
Beryllium	9-1	0.02	0.02	0.04	0.02	59.28	ppb
Bismuth	209-1				113		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.10	-0.03	0.09	0.05	137.16	ppb
Cadmium	106-1	-2.20	-2.38	-4.31	-2.96		ppb
Cadmium	111-1	0.00	0.01	-0.06	-0.02		ppb
Calcium	43-1	9850.75	10389.62	10330.97	10190.45	2.90	ppb
Calcium	44-1	9508.57	9976.13	9981.88	9822.19	2.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.47	0.51	0.48	0.49	3.43	ppb
Cobalt	59-2	0.06	0.08	0.08	0.07	16.60	ppb
Copper	63-2	0.53	0.55	0.47	0.52	7.79	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				108		%
Holmium	165-2				105		%
Indium	115-1				104		%
Indium	115-2				100		%
Iron	56-2	98.59	99.96	97.36	98.63	1.32	ppb
Iron	57-2	163.38	170.40	164.80	166.20	2.23	ppb
Iron	54-2	101.46	102.06	98.35	100.62	1.98	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-04LX5 Instrumnet Name : P7
Client Sample ID : MC0AF8L Dilution Factor : 5
Date & Time Acquired : 2025-01-21 17:26:53 DataFile Name : 062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.10	0.11	0.11	0.11	4.37	ppb
Lead	207-1	0.10	0.11	0.11	0.11	5.33	ppb
Lead	208-1	0.11	0.10	0.11	0.11	2.46	ppb
Lithium	6-1				116		%
Magnesium	24-2	1991.44	2013.08	1981.49	1995.33	0.81	ppb
Manganese	55-2	8.81	8.77	8.90	8.83	0.78	ppb
Molybdenum	94-1	2.61	2.82	2.77	2.73	4.14	ppb
Molybdenum	95-1	3.15	3.35	3.28	3.26	3.17	ppb
Molybdenum	96-1	3.15	3.28	3.23	3.22	1.93	ppb
Molybdenum	97-1	3.20	3.50	3.31	3.34	4.54	ppb
Molybdenum	98-1	3.21	3.34	3.31	3.28	2.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.33	0.34	0.36	0.34	5.37	ppb
Phosphorus	31-2	-7.86	-9.63	-1.68	-6.39		ppb
Potassium	39-2	359.64	364.32	367.17	363.71	1.05	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	-0.18	-0.01	-0.09	-0.09		ppb
Selenium	77-2	-0.20	-0.20	-0.05	-0.15		ppb
Selenium	78-2	0.38	0.84	-0.02	0.40	108.81	ppb
Silicon	28-1	333.16	351.38	359.55	348.03	3.88	ppb
Silver	107-1	0.01	0.01	0.00	0.01	15.81	ppb
Silver	109-1	0.00	0.01	0.01	0.01	11.91	ppb
Sodium	23-2	6397.65	6596.50	6453.31	6482.49	1.58	ppb
Strontium	86-1	364.54	378.86	373.98	372.46	1.96	ppb
Strontium	88-1	372.86	388.07	387.23	382.72	2.23	ppb
Sulfur	34-1	2083.04	2299.76	2350.11	2244.31	6.32	ppb
Terbium	159-1				108		%
Terbium	159-2				104		%
Thallium	203-1	0.02	0.01	0.02	0.02	17.84	ppb
Thallium	205-1	0.01	0.01	0.02	0.01	26.50	ppb
Tin	118-1	0.03	0.03	0.03	0.03	16.69	ppb
Titanium	47-1	1.61	1.70	2.12	1.81	14.83	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-04LX5 Instrumnet Name : P7
Client Sample ID : MC0AF8L Dilution Factor : 5
Date & Time Acquired : 2025-01-21 17:26:53 DataFile Name : 062SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.91	0.95	0.95	0.94	2.17	ppb
Vanadium	51-2	0.54	0.56	0.54	0.54	1.99	ppb
Yttrium	89-1				103		%
Yttrium	89-2				100		%
Zinc	66-2	2.79	2.65	2.49	2.64	5.82	ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	2.40	ppb
Zirconium	91-1	0.02	0.04	0.04	0.04	32.80	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-06 Instrumnet Name : P7
Client Sample ID : MC0AF8S Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:30:07 DataFile Name : 063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2166.51	2183.33	2167.27	2172.37	0.44	ppb
Antimony	121-1	115.92	112.68	113.09	113.90	1.55	ppb
Arsenic	75-2	45.46	45.35	46.30	45.71	1.14	ppb
Barium	135-1	2117.09	2089.93	2071.73	2092.91	1.09	ppb
Barium	137-1	2140.31	2107.54	2067.31	2105.05	1.74	ppb
Beryllium	9-1	51.06	49.77	48.08	49.64	3.01	ppb
Bismuth	209-1				109		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	47.24	42.42	45.16	44.94	5.38	ppb
Cadmium	106-1	44.03	42.49	42.78	43.10	1.90	ppb
Cadmium	111-1	51.81	51.21	51.19	51.40	0.68	ppb
Calcium	43-1	50076.64	48761.86	49391.69	49410.06	1.33	ppb
Calcium	44-1	48700.84	47449.25	47982.57	48044.22	1.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	200.63	202.58	198.11	200.44	1.12	ppb
Cobalt	59-2	505.12	512.43	499.30	505.62	1.30	ppb
Copper	63-2	259.06	260.47	257.16	258.90	0.64	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	1547.08	1560.34	1523.44	1543.62	1.21	ppb
Iron	57-2	1887.02	1897.32	1886.30	1890.21	0.33	ppb
Iron	54-2	1717.39	1712.32	1702.36	1710.69	0.45	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-06 Instrumnet Name : P7
Client Sample ID : MC0AF8S Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:30:07 DataFile Name : 063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	20.12	19.78	20.15	20.01	1.03	ppb
Lead	207-1	19.60	19.08	19.27	19.32	1.35	ppb
Lead	208-1	19.85	19.37	19.68	19.63	1.25	ppb
Lithium	6-1				112		%
Magnesium	24-2	10178.42	10112.58	9981.95	10090.98	0.99	ppb
Manganese	55-2	540.23	545.57	537.66	541.15	0.75	ppb
Molybdenum	94-1	13.96	13.61	13.63	13.73	1.43	ppb
Molybdenum	95-1	16.56	15.99	16.01	16.19	2.00	ppb
Molybdenum	96-1	16.27	15.62	15.73	15.88	2.21	ppb
Molybdenum	97-1	16.53	15.92	16.35	16.27	1.91	ppb
Molybdenum	98-1	16.72	16.15	15.89	16.25	2.59	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	502.37	504.15	499.24	501.92	0.50	ppb
Phosphorus	31-2	60.41	65.68	59.85	61.98	5.19	ppb
Potassium	39-2	1811.49	1827.52	1805.12	1814.71	0.64	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				97		%
Scandium	45-2				99		%
Selenium	82-1	104.12	99.24	99.96	101.11	2.60	ppb
Selenium	77-2	99.83	101.11	93.96	98.30	3.88	ppb
Selenium	78-2	102.92	100.55	99.15	100.87	1.89	ppb
Silicon	28-1	1766.76	1728.17	1739.94	1744.96	1.13	ppb
Silver	107-1	51.79	50.01	50.46	50.75	1.82	ppb
Silver	109-1	51.14	50.23	49.92	50.43	1.26	ppb
Sodium	23-2	32162.87	31886.18	31338.26	31795.77	1.32	ppb
Strontium	86-1	1940.75	1896.81	1873.94	1903.83	1.78	ppb
Strontium	88-1	1917.25	1861.47	1875.01	1884.58	1.54	ppb
Sulfur	34-1	13760.28	13278.82	13352.66	13463.92	1.93	ppb
Terbium	159-1				105		%
Terbium	159-2				105		%
Thallium	203-1	46.64	45.02	46.11	45.93	1.79	ppb
Thallium	205-1	46.52	45.27	45.99	45.93	1.37	ppb
Tin	118-1	0.43	0.44	0.43	0.43	0.92	ppb
Titanium	47-1	8.13	8.57	8.15	8.28	3.01	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-06 Instrumnet Name : P7
Client Sample ID : MC0AF8S Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:30:07 DataFile Name : 063SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.78	4.63	4.73	4.71	1.63	ppb
Vanadium	51-2	501.28	502.42	495.95	499.89	0.69	ppb
Yttrium	89-1				99		%
Yttrium	89-2				99		%
Zinc	66-2	516.96	520.93	514.27	517.39	0.65	ppb
Zirconium	90-1	0.17	0.17	0.18	0.17	3.91	ppb
Zirconium	91-1	0.25	0.25	0.19	0.23	13.17	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-07 Instrumnet Name : P7
Client Sample ID : MC0AE9 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:33:08 DataFile Name : 064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5979.01	4823.12	4715.61	5172.58	13.54	ppb
Antimony	121-1	0.32	0.31	0.31	0.32	2.58	ppb
Arsenic	75-2	25.82	20.66	20.18	22.22	14.08	ppb
Barium	135-1	4.73	4.56	4.37	4.55	3.97	ppb
Barium	137-1	4.64	4.46	4.48	4.53	2.11	ppb
Beryllium	9-1	0.04	0.06	0.06	0.06	25.07	ppb
Bismuth	209-1				103		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.53	1.62	1.85	1.67	9.91	ppb
Cadmium	106-1	-2.07	-2.86	-2.82	-2.59		ppb
Cadmium	111-1	-0.11	-0.14	-0.15	-0.13		ppb
Calcium	43-1	7549.96	7733.64	7697.01	7660.20	1.27	ppb
Calcium	44-1	7316.79	7481.26	7517.77	7438.61	1.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	81.63	64.58	63.61	69.94	14.49	ppb
Cobalt	59-2	0.28	0.20	0.19	0.22	22.37	ppb
Copper	63-2	1.63	1.19	1.13	1.32	20.67	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				97		%
Indium	115-1				96		%
Indium	115-2				88		%
Iron	56-2	364.17	290.14	281.71	312.00	14.54	ppb
Iron	57-2	439.30	352.67	322.82	371.60	16.28	ppb
Iron	54-2	430.87	340.15	322.44	364.49	15.96	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-07 Instrumnet Name : P7
Client Sample ID : MC0AE9 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:33:08 DataFile Name : 064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.58	0.58	0.58	0.58	0.37	ppb
Lead	207-1	0.54	0.53	0.53	0.53	1.63	ppb
Lead	208-1	0.56	0.56	0.55	0.56	0.51	ppb
Lithium	6-1				109		%
Magnesium	24-2	325.89	257.30	251.43	278.20	14.88	ppb
Manganese	55-2	18.43	14.41	14.08	15.64	15.48	ppb
Molybdenum	94-1	7.57	7.47	7.42	7.48	1.02	ppb
Molybdenum	95-1	8.28	8.40	8.37	8.35	0.74	ppb
Molybdenum	96-1	8.07	8.22	8.22	8.17	1.04	ppb
Molybdenum	97-1	8.46	8.49	8.67	8.54	1.31	ppb
Molybdenum	98-1	8.39	8.53	8.40	8.44	0.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.19	0.89	0.89	0.99	17.38	ppb
Phosphorus	31-2	380.38	305.36	294.43	326.72	14.32	ppb
Potassium	39-2	1071.50	835.16	817.29	907.99	15.63	ppb
Rhodium	103-1				91		%
Rhodium	103-2				86		%
Scandium	45-1				94		%
Scandium	45-2				89		%
Selenium	82-1	1.66	1.46	1.74	1.62	8.64	ppb
Selenium	77-2	2.11	1.05	2.24	1.80	36.19	ppb
Selenium	78-2	2.45	0.99	-0.19	1.08	122.18	ppb
Silicon	28-1	1920.80	1973.00	1971.67	1955.16	1.52	ppb
Silver	107-1	0.28	0.28	0.30	0.29	3.68	ppb
Silver	109-1	0.26	0.29	0.29	0.28	5.25	ppb
Sodium	23-2	813701.32	645367.19	636447.81	698505.44	14.30	ppb
Strontium	86-1	54.76	55.96	55.73	55.48	1.15	ppb
Strontium	88-1	56.86	56.32	57.46	56.88	1.00	ppb
Sulfur	34-1	520229.78	534328.86	529502.54	528020.40	1.36	ppb
Terbium	159-1				105		%
Terbium	159-2				95		%
Thallium	203-1	0.05	0.04	0.03	0.04	27.14	ppb
Thallium	205-1	0.04	0.03	0.03	0.03	8.58	ppb
Tin	118-1	0.90	1.03	1.10	1.01	10.06	ppb
Titanium	47-1	8.77	8.97	10.40	9.38	9.49	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-07 Instrumnet Name : P7
Client Sample ID : MC0AE9 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:33:08 DataFile Name : 064SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.91	0.89	0.90	0.90	1.04	ppb
Vanadium	51-2	41.39	32.70	32.12	35.41	14.66	ppb
Yttrium	89-1				97		%
Yttrium	89-2				91		%
Zinc	66-2	2.00	1.78	1.43	1.74	16.36	ppb
Zirconium	90-1	0.30	0.35	0.26	0.30	14.63	ppb
Zirconium	91-1	0.28	0.27	0.28	0.28	1.48	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-08 Instrumnet Name : P7
Client Sample ID : MC0AG4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:36:21 DataFile Name : 065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6.02	5.79	5.76	5.86	2.47	ppb
Antimony	121-1	0.03	0.02	0.02	0.02	6.13	ppb
Arsenic	75-2	0.04	0.02	0.00	0.02	88.57	ppb
Barium	135-1	0.24	0.23	0.26	0.24	5.63	ppb
Barium	137-1	0.22	0.27	0.25	0.24	9.97	ppb
Beryllium	9-1	0.01	0.00	0.01	0.01	86.05	ppb
Bismuth	209-1				115		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.06	-0.03	-0.08	-0.06		ppb
Cadmium	106-1	-3.45	-2.69	-2.36	-2.83		ppb
Cadmium	111-1	-0.07	-0.05	-0.05	-0.06		ppb
Calcium	43-1	54.91	55.70	50.96	53.85	4.72	ppb
Calcium	44-1	68.43	66.72	67.79	67.64	1.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.16	0.16	0.14	0.15	5.04	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	62.88	ppb
Copper	63-2	1.01	1.04	1.07	1.04	2.85	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				106		%
Indium	115-1				106		%
Indium	115-2				103		%
Iron	56-2	14.73	14.62	14.76	14.70	0.52	ppb
Iron	57-2	14.16	10.35	9.93	11.48	20.32	ppb
Iron	54-2	14.70	14.60	14.55	14.61	0.55	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-08 Instrumnet Name : P7
Client Sample ID : MC0AG4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:36:21 DataFile Name : 065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.14	0.13	0.13	0.13	3.18	ppb
Lead	207-1	0.12	0.14	0.11	0.12	13.24	ppb
Lead	208-1	0.13	0.12	0.12	0.12	5.76	ppb
Lithium	6-1				112		%
Magnesium	24-2	6.96	6.65	6.56	6.72	3.10	ppb
Manganese	55-2	5.15	5.27	5.35	5.25	1.93	ppb
Molybdenum	94-1	0.05	0.06	0.05	0.06	3.72	ppb
Molybdenum	95-1	0.04	0.04	0.03	0.04	6.67	ppb
Molybdenum	96-1	0.03	0.04	0.03	0.03	13.93	ppb
Molybdenum	97-1	0.05	0.04	0.04	0.04	11.82	ppb
Molybdenum	98-1	0.03	0.05	0.05	0.04	19.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.08	0.04	0.09	0.07	40.93	ppb
Phosphorus	31-2	-13.40	-20.20	-14.69	-16.10		ppb
Potassium	39-2	22.23	22.09	22.19	22.17	0.32	ppb
Rhodium	103-1				103		%
Rhodium	103-2				103		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	-0.10	-0.01	-0.05	-0.05		ppb
Selenium	77-2	-0.05	-0.05	-0.20	-0.10		ppb
Selenium	78-2	-1.04	-1.27	-0.53	-0.95		ppb
Silicon	28-1	1896.41	1949.47	1957.01	1934.30	1.71	ppb
Silver	107-1	0.01	0.01	0.01	0.01	26.29	ppb
Silver	109-1	0.01	0.01	0.01	0.01	27.48	ppb
Sodium	23-2	167.11	159.48	157.82	161.47	3.07	ppb
Strontium	86-1	0.39	0.42	0.38	0.40	5.16	ppb
Strontium	88-1	0.43	0.42	0.40	0.41	3.58	ppb
Sulfur	34-1	-965.03	-1058.79	-1101.79	-1041.87		ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	0.01	0.01	0.01	0.01	14.02	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	20.99	ppb
Tin	118-1	0.39	0.42	0.43	0.41	4.56	ppb
Titanium	47-1	0.61	0.44	0.55	0.54	15.89	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-08 Instrumnet Name : P7
Client Sample ID : MC0AG4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:36:21 DataFile Name : 065SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	44.24	ppb
Vanadium	51-2	0.03	0.02	0.02	0.02	15.44	ppb
Yttrium	89-1				103		%
Yttrium	89-2				102		%
Zinc	66-2	1.92	2.12	2.04	2.02	4.99	ppb
Zirconium	90-1	0.01	0.01	0.02	0.01	56.43	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	28.72	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-09 Instrumnet Name : P7
Client Sample ID : MC0AH0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:39:36 DataFile Name : 066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4718.64	4747.85	4668.34	4711.61	0.85	ppb
Antimony	121-1	0.28	0.29	0.28	0.28	1.11	ppb
Arsenic	75-2	19.96	20.53	20.22	20.23	1.40	ppb
Barium	135-1	3.84	4.05	4.08	3.99	3.22	ppb
Barium	137-1	3.93	3.97	4.06	3.99	1.75	ppb
Beryllium	9-1	0.04	0.04	0.05	0.04	21.27	ppb
Bismuth	209-1				105		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.30	1.67	1.47	1.48	12.54	ppb
Cadmium	106-1	-0.84	-1.70	-2.85	-1.79		ppb
Cadmium	111-1	-0.08	-0.12	-0.14	-0.11		ppb
Calcium	43-1	6562.52	6568.24	6591.22	6573.99	0.23	ppb
Calcium	44-1	6302.70	6487.76	6358.84	6383.10	1.49	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	61.54	61.27	61.04	61.28	0.41	ppb
Cobalt	59-2	0.17	0.16	0.17	0.17	4.04	ppb
Copper	63-2	0.97	0.99	0.94	0.97	2.43	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				106		%
Holmium	165-2				105		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	285.39	285.39	283.33	284.70	0.42	ppb
Iron	57-2	318.88	319.47	339.69	326.01	3.63	ppb
Iron	54-2	328.68	323.38	332.14	328.07	1.34	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-09 Instrumnet Name : P7
Client Sample ID : MC0AH0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:39:36 DataFile Name : 066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.59	0.64	0.64	0.63	4.59	ppb
Lead	207-1	0.56	0.57	0.57	0.57	1.18	ppb
Lead	208-1	0.59	0.60	0.59	0.59	1.09	ppb
Lithium	6-1				108		%
Magnesium	24-2	211.58	209.84	212.74	211.39	0.69	ppb
Manganese	55-2	11.90	11.91	11.98	11.93	0.38	ppb
Molybdenum	94-1	6.92	7.04	6.99	6.98	0.90	ppb
Molybdenum	95-1	7.65	7.87	7.70	7.74	1.51	ppb
Molybdenum	96-1	7.52	7.65	7.71	7.63	1.30	ppb
Molybdenum	97-1	7.64	7.66	7.60	7.64	0.41	ppb
Molybdenum	98-1	7.63	7.76	7.64	7.68	0.98	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.78	0.71	0.75	0.75	5.12	ppb
Phosphorus	31-2	280.59	302.33	278.06	286.99	4.65	ppb
Potassium	39-2	759.60	758.67	756.06	758.11	0.24	ppb
Rhodium	103-1				93		%
Rhodium	103-2				94		%
Scandium	45-1				96		%
Scandium	45-2				99		%
Selenium	82-1	1.49	0.85	0.59	0.98	47.53	ppb
Selenium	77-2	1.00	0.72	1.76	1.16	46.28	ppb
Selenium	78-2	1.27	0.74	0.08	0.70	86.06	ppb
Silicon	28-1	1951.02	1963.49	1961.75	1958.75	0.34	ppb
Silver	107-1	0.17	0.16	0.17	0.17	3.35	ppb
Silver	109-1	0.16	0.17	0.17	0.17	2.03	ppb
Sodium	23-2	598984.39	596738.58	598152.38	597958.45	0.19	ppb
Strontium	86-1	48.19	49.56	49.25	49.00	1.47	ppb
Strontium	88-1	48.76	50.59	50.12	49.82	1.91	ppb
Sulfur	34-1	476864.00	478466.86	479682.08	478337.65	0.30	ppb
Terbium	159-1				106		%
Terbium	159-2				105		%
Thallium	203-1	0.01	0.01	0.01	0.01	3.07	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	13.54	ppb
Tin	118-1	1.02	1.05	0.95	1.00	5.08	ppb
Titanium	47-1	8.85	9.86	8.06	8.93	10.12	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-09 Instrumnet Name : P7
Client Sample ID : MC0AH0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:39:36 DataFile Name : 066SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.84	0.84	0.83	0.84	0.52	ppb
Vanadium	51-2	31.27	30.97	30.92	31.05	0.61	ppb
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	1.73	1.71	1.71	1.72	0.78	ppb
Zirconium	90-1	0.28	0.34	0.31	0.31	9.54	ppb
Zirconium	91-1	0.32	0.32	0.35	0.33	4.87	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-10 Instrumnet Name : P7
Client Sample ID : MC0AE6 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:42:50 DataFile Name : 067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1523.05	1515.30	1509.98	1516.11	0.43	ppb
Antimony	121-1	0.22	0.22	0.22	0.22	2.30	ppb
Arsenic	75-2	5.72	5.64	5.87	5.74	1.97	ppb
Barium	135-1	53.95	55.62	56.43	55.33	2.28	ppb
Barium	137-1	54.03	55.29	56.10	55.14	1.89	ppb
Beryllium	9-1	0.29	0.31	0.31	0.30	4.00	ppb
Bismuth	209-1				114		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.38	0.30	0.50	0.39	25.88	ppb
Cadmium	106-1	-2.71	-2.44	-3.31	-2.82		ppb
Cadmium	111-1	0.32	0.35	0.30	0.32	8.42	ppb
Calcium	43-1	44738.87	46902.67	46817.59	46153.04	2.66	ppb
Calcium	44-1	43184.14	45407.12	45796.59	44795.95	3.15	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.25	1.27	1.20	1.24	2.81	ppb
Cobalt	59-2	0.41	0.43	0.43	0.42	2.52	ppb
Copper	63-2	23.07	22.76	22.60	22.81	1.06	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				107		%
Indium	115-1				106		%
Indium	115-2				102		%
Iron	56-2	1084.61	1070.17	1064.66	1073.15	0.96	ppb
Iron	57-2	1389.69	1394.20	1371.93	1385.27	0.85	ppb
Iron	54-2	1085.71	1084.35	1069.62	1079.89	0.83	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-10 Instrumnet Name : P7
Client Sample ID : MC0AE6 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:42:50 DataFile Name : 067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.01	3.19	3.17	3.12	3.15	ppb
Lead	207-1	2.74	2.93	3.74	3.13	17.01	ppb
Lead	208-1	2.84	3.03	3.16	3.01	5.32	ppb
Lithium	6-1				111		%
Magnesium	24-2	9289.01	9440.43	9372.96	9367.47	0.81	ppb
Manganese	55-2	66.54	66.09	66.61	66.42	0.42	ppb
Molybdenum	94-1	4.82	5.06	4.88	4.92	2.51	ppb
Molybdenum	95-1	4.62	4.62	4.78	4.67	2.00	ppb
Molybdenum	96-1	4.46	4.88	4.78	4.70	4.61	ppb
Molybdenum	97-1	4.61	4.84	4.81	4.75	2.66	ppb
Molybdenum	98-1	4.52	4.74	4.73	4.66	2.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.10	0.98	1.12	1.07	7.16	ppb
Phosphorus	31-2	21.34	16.88	16.41	18.21	14.96	ppb
Potassium	39-2	1750.51	1772.05	1746.86	1756.47	0.78	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	82-1	0.45	0.04	-0.04	0.15	178.35	ppb
Selenium	77-2	0.97	1.27	0.53	0.93	39.91	ppb
Selenium	78-2	-0.50	-1.74	0.08	-0.72		ppb
Silicon	28-1	2056.94	2185.03	2178.89	2140.28	3.38	ppb
Silver	107-1	0.01	0.02	0.01	0.01	3.11	ppb
Silver	109-1	0.01	0.01	0.02	0.01	20.73	ppb
Sodium	23-2	24395.79	24789.08	24196.57	24460.48	1.23	ppb
Strontium	86-1	1810.80	1898.43	1875.03	1861.42	2.44	ppb
Strontium	88-1	1796.57	1885.96	1877.78	1853.44	2.67	ppb
Sulfur	34-1	4950.62	5435.96	5485.26	5290.61	5.58	ppb
Terbium	159-1				110		%
Terbium	159-2				107		%
Thallium	203-1	0.02	0.03	0.02	0.02	17.77	ppb
Thallium	205-1	0.03	0.02	0.02	0.02	14.31	ppb
Tin	118-1	0.30	0.29	0.32	0.30	5.03	ppb
Titanium	47-1	15.63	16.08	16.50	16.07	2.71	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-10 Instrumnet Name : P7
Client Sample ID : MC0AE6 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:42:50 DataFile Name : 067SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	5.25	5.42	5.41	5.36	1.81	ppb
Vanadium	51-2	2.13	2.09	2.10	2.11	0.97	ppb
Yttrium	89-1				105		%
Yttrium	89-2				103		%
Zinc	66-2	8.24	8.48	8.32	8.35	1.50	ppb
Zirconium	90-1	0.55	0.57	0.59	0.57	3.47	ppb
Zirconium	91-1	0.57	0.60	0.59	0.58	2.73	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-11 Instrumnet Name : P7
Client Sample ID : MC0AF0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:45:58 DataFile Name : 068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	101.86	103.21	105.00	103.35	1.53	ppb
Antimony	121-1	0.19	0.19	0.20	0.19	1.69	ppb
Arsenic	75-2	13.15	12.54	12.79	12.82	2.38	ppb
Barium	135-1	67.08	67.47	67.55	67.37	0.37	ppb
Barium	137-1	66.80	67.90	67.69	67.46	0.87	ppb
Beryllium	9-1	0.02	0.01	0.00	0.01	73.60	ppb
Bismuth	209-1				111		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.79	0.94	0.99	0.90	11.70	ppb
Cadmium	106-1	-3.40	-2.37	-2.56	-2.78		ppb
Cadmium	111-1	-0.09	-0.08	-0.08	-0.08		ppb
Calcium	43-1	50789.77	50445.05	50967.44	50734.09	0.52	ppb
Calcium	44-1	49496.77	50384.70	50492.93	50124.80	1.09	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.13	3.20	3.19	3.17	1.27	ppb
Cobalt	59-2	0.13	0.14	0.14	0.14	3.37	ppb
Copper	63-2	1.63	1.70	1.68	1.67	2.05	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				106		%
Indium	115-1				102		%
Indium	115-2				101		%
Iron	56-2	114.63	114.37	114.43	114.48	0.12	ppb
Iron	57-2	474.83	486.27	480.40	480.50	1.19	ppb
Iron	54-2	121.68	120.24	113.21	118.38	3.83	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-11 Instrumnet Name : P7
Client Sample ID : MC0AF0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:45:58 DataFile Name : 068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.17	0.18	0.17	0.17	2.92	ppb
Lead	207-1	0.18	0.15	0.17	0.17	6.70	ppb
Lead	208-1	0.16	0.16	0.17	0.16	2.80	ppb
Lithium	6-1				110		%
Magnesium	24-2	10646.54	10599.95	10415.81	10554.10	1.16	ppb
Manganese	55-2	54.97	54.23	53.87	54.36	1.03	ppb
Molybdenum	94-1	26.16	27.13	26.88	26.72	1.89	ppb
Molybdenum	95-1	32.12	32.25	32.17	32.18	0.19	ppb
Molybdenum	96-1	31.51	31.23	31.72	31.48	0.78	ppb
Molybdenum	97-1	32.80	32.65	32.13	32.52	1.09	ppb
Molybdenum	98-1	32.23	32.42	32.28	32.31	0.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.45	0.41	0.43	0.43	5.45	ppb
Phosphorus	31-2	3.59	4.21	-6.96	0.28	2241.26	ppb
Potassium	39-2	1783.11	1781.76	1791.98	1785.62	0.31	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				99		%
Scandium	45-2				99		%
Selenium	82-1	0.31	-0.08	0.17	0.14	143.72	ppb
Selenium	77-2	0.09	-0.05	-0.20	-0.05		ppb
Selenium	78-2	-0.07	-0.55	-0.44	-0.35		ppb
Silicon	28-1	1726.14	1760.41	1750.46	1745.67	1.01	ppb
Silver	107-1	0.01	0.01	0.00	0.01	34.25	ppb
Silver	109-1	0.00	0.00	0.00	0.00	27.41	ppb
Sodium	23-2	40372.51	39938.25	39683.84	39998.20	0.87	ppb
Strontium	86-1	2023.58	2029.91	2018.35	2023.95	0.29	ppb
Strontium	88-1	2018.93	2017.94	2022.65	2019.84	0.12	ppb
Sulfur	34-1	22898.29	23058.44	23207.46	23054.73	0.67	ppb
Terbium	159-1				108		%
Terbium	159-2				106		%
Thallium	203-1	0.01	0.01	0.02	0.01	12.94	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	12.68	ppb
Tin	118-1	0.11	0.11	0.12	0.11	7.36	ppb
Titanium	47-1	2.23	2.14	2.20	2.19	2.21	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-11 Instrumnet Name : P7
Client Sample ID : MC0AF0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:45:58 DataFile Name : 068SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.15	4.21	4.18	4.18	0.78	ppb
Vanadium	51-2	4.26	4.37	4.39	4.34	1.67	ppb
Yttrium	89-1				102		%
Yttrium	89-2				101		%
Zinc	66-2	2.60	2.76	2.70	2.69	3.09	ppb
Zirconium	90-1	0.05	0.06	0.05	0.05	6.64	ppb
Zirconium	91-1	0.07	0.09	0.06	0.07	15.10	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-12 Instrumnet Name : P7
Client Sample ID : MC0AF1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:49:09 DataFile Name : 069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1287.01	1285.49	1266.84	1279.78	0.88	ppb
Antimony	121-1	2.23	2.25	2.27	2.25	0.94	ppb
Arsenic	75-2	10.42	10.06	10.61	10.36	2.70	ppb
Barium	135-1	33.11	33.70	33.78	33.53	1.09	ppb
Barium	137-1	33.35	33.63	33.87	33.62	0.78	ppb
Beryllium	9-1	0.11	0.12	0.15	0.13	17.99	ppb
Bismuth	209-1				112		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.37	0.40	0.40	0.39	4.52	ppb
Cadmium	106-1	-3.43	-4.68	-3.38	-3.83		ppb
Cadmium	111-1	-0.06	-0.08	-0.02	-0.05		ppb
Calcium	43-1	12637.25	12658.80	12633.05	12643.03	0.11	ppb
Calcium	44-1	12099.38	12145.89	11994.48	12079.92	0.64	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	11.71	12.06	11.59	11.79	2.06	ppb
Cobalt	59-2	0.90	0.92	0.92	0.91	1.39	ppb
Copper	63-2	7.10	7.15	6.71	6.98	3.44	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				109		%
Indium	115-1				102		%
Indium	115-2				102		%
Iron	56-2	2274.45	2273.38	2225.98	2257.94	1.23	ppb
Iron	57-2	2347.85	2340.85	2343.05	2343.92	0.15	ppb
Iron	54-2	2308.24	2314.91	2274.36	2299.17	0.95	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-12 Instrumnet Name : P7
Client Sample ID : MC0AF1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:49:09 DataFile Name : 069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.63	1.66	1.65	1.65	0.90	ppb
Lead	207-1	1.55	1.57	1.54	1.55	1.20	ppb
Lead	208-1	1.60	1.60	1.60	1.60	0.19	ppb
Lithium	6-1				112		%
Magnesium	24-2	8016.31	7880.36	7613.61	7836.76	2.61	ppb
Manganese	55-2	81.21	80.42	79.38	80.34	1.14	ppb
Molybdenum	94-1	48.34	48.91	48.97	48.74	0.72	ppb
Molybdenum	95-1	57.82	58.16	58.32	58.10	0.44	ppb
Molybdenum	96-1	56.31	56.79	57.46	56.85	1.02	ppb
Molybdenum	97-1	58.06	58.05	58.29	58.14	0.23	ppb
Molybdenum	98-1	57.83	58.41	58.27	58.17	0.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.74	3.78	3.84	3.79	1.29	ppb
Phosphorus	31-2	51.89	49.15	47.89	49.64	4.12	ppb
Potassium	39-2	31914.91	32318.70	31778.32	32003.98	0.88	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				98		%
Scandium	45-2				101		%
Selenium	82-1	0.49	0.48	0.36	0.44	17.11	ppb
Selenium	77-2	1.27	0.97	0.99	1.08	15.61	ppb
Selenium	78-2	0.00	-0.52	-0.64	-0.39		ppb
Silicon	28-1	1480.71	1498.41	1502.26	1493.79	0.77	ppb
Silver	107-1	0.02	0.02	0.02	0.02	12.88	ppb
Silver	109-1	0.02	0.02	0.02	0.02	5.18	ppb
Sodium	23-2	143359.19	141886.40	139316.66	141520.75	1.45	ppb
Strontium	86-1	753.31	756.54	745.60	751.82	0.75	ppb
Strontium	88-1	741.35	740.80	748.85	743.67	0.60	ppb
Sulfur	34-1	126231.28	129314.80	128898.15	128148.08	1.31	ppb
Terbium	159-1				109		%
Terbium	159-2				108		%
Thallium	203-1	0.03	0.04	0.03	0.03	18.72	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	4.98	ppb
Tin	118-1	1.45	1.47	1.47	1.46	0.52	ppb
Titanium	47-1	33.42	34.61	34.12	34.05	1.75	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-12 Instrumnet Name : P7
Client Sample ID : MC0AF1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:49:09 DataFile Name : 069SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	8.44	8.42	8.39	8.42	0.33	ppb
Vanadium	51-2	8.45	8.68	8.53	8.55	1.39	ppb
Yttrium	89-1				103		%
Yttrium	89-2				102		%
Zinc	66-2	27.97	27.36	27.30	27.54	1.34	ppb
Zirconium	90-1	0.66	0.65	0.64	0.65	1.51	ppb
Zirconium	91-1	0.63	0.59	0.61	0.61	2.78	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-13 Instrumnet Name : P7
Client Sample ID : MC0AF5 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:52:16 DataFile Name : 070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6973.44	7074.78	6951.83	7000.02	0.94	ppb
Antimony	121-1	0.55	0.56	0.54	0.55	1.23	ppb
Arsenic	75-2	7.60	7.55	7.47	7.54	0.93	ppb
Barium	135-1	226.15	233.74	233.67	231.19	1.89	ppb
Barium	137-1	226.38	236.32	234.06	232.25	2.24	ppb
Beryllium	9-1	0.56	0.55	0.59	0.57	4.03	ppb
Bismuth	209-1				105		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.79	2.00	1.65	1.81	9.57	ppb
Cadmium	106-1	-2.32	-2.68	-2.29	-2.43		ppb
Cadmium	111-1	-0.12	-0.12	-0.10	-0.11		ppb
Calcium	43-1	204574.31	206956.82	207319.19	206283.44	0.72	ppb
Calcium	44-1	202314.52	206090.32	202419.39	203608.08	1.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50.69	50.38	49.99	50.35	0.70	ppb
Cobalt	59-2	6.34	6.29	6.33	6.32	0.44	ppb
Copper	63-2	88.32	88.44	88.09	88.28	0.20	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				109		%
Holmium	165-2				107		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	56-2	15785.99	16004.02	15989.43	15926.48	0.77	ppb
Iron	57-2	17189.38	17109.54	17269.83	17189.59	0.47	ppb
Iron	54-2	16180.33	15936.11	15886.33	16000.92	0.98	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-13 Instrumnet Name : P7
Client Sample ID : MC0AF5 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:52:16 DataFile Name : 070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4.50	4.54	4.56	4.54	0.69	ppb
Lead	207-1	4.14	4.25	4.25	4.21	1.56	ppb
Lead	208-1	4.27	4.34	4.35	4.32	1.01	ppb
Lithium	6-1				106		%
Magnesium	24-2	26864.39	27199.22	26964.22	27009.28	0.64	ppb
Manganese	55-2	624.36	618.86	620.61	621.28	0.45	ppb
Molybdenum	94-1	13.02	13.29	13.50	13.27	1.80	ppb
Molybdenum	95-1	6.06	6.30	6.17	6.18	1.95	ppb
Molybdenum	96-1	6.85	7.13	6.85	6.94	2.35	ppb
Molybdenum	97-1	6.21	6.33	6.21	6.25	1.10	ppb
Molybdenum	98-1	6.02	6.32	6.23	6.19	2.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	16.86	16.57	16.36	16.60	1.53	ppb
Phosphorus	31-2	322.61	329.09	319.74	323.81	1.48	ppb
Potassium	39-2	13416.06	13321.56	13530.58	13422.73	0.78	ppb
Rhodium	103-1				92		%
Rhodium	103-2				93		%
Scandium	45-1				95		%
Scandium	45-2				98		%
Selenium	82-1	2.61	3.81	2.97	3.13	19.69	ppb
Selenium	77-2	4.14	3.27	4.45	3.95	15.43	ppb
Selenium	78-2	0.10	0.96	1.53	0.86	83.14	ppb
Silicon	28-1	3441.89	3492.55	3462.01	3465.49	0.74	ppb
Silver	107-1	0.04	0.04	0.05	0.04	14.19	ppb
Silver	109-1	0.04	0.05	0.04	0.04	13.44	ppb
Sodium	23-2	613123.56	622913.33	620549.94	618862.28	0.83	ppb
Strontium	86-1	1341.52	1373.31	1344.31	1353.04	1.30	ppb
Strontium	88-1	1333.65	1366.18	1342.41	1347.41	1.25	ppb
Sulfur	34-1	953210.04	982692.93	975198.24	970367.07	1.58	ppb
Terbium	159-1				107		%
Terbium	159-2				105		%
Thallium	203-1	0.15	0.15	0.16	0.15	3.04	ppb
Thallium	205-1	0.15	0.15	0.16	0.15	0.84	ppb
Tin	118-1	0.64	0.68	0.70	0.67	4.14	ppb
Titanium	47-1	298.45	303.79	304.38	302.21	1.08	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-13 Instrumnet Name : P7
Client Sample ID : MC0AF5 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:52:16 DataFile Name : 070SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.70	2.71	2.76	2.72	1.20	ppb
Vanadium	51-2	26.90	26.83	26.73	26.82	0.32	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	51.10	50.38	50.97	50.81	0.76	ppb
Zirconium	90-1	4.38	4.52	4.40	4.44	1.76	ppb
Zirconium	91-1	4.46	4.39	4.48	4.44	1.09	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-14 Instrumnet Name : P7
Client Sample ID : MC0AF6 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:55:23 DataFile Name : 071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	15.43	15.27	15.94	15.55	2.26	ppb
Antimony	121-1	1.12	1.13	1.11	1.12	0.98	ppb
Arsenic	75-2	7.27	7.05	7.59	7.30	3.75	ppb
Barium	135-1	25.28	25.73	25.51	25.51	0.88	ppb
Barium	137-1	25.45	25.72	25.45	25.54	0.60	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	2972.46	ppb
Bismuth	209-1				117		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.16	0.00	-0.02	0.05	210.19	ppb
Cadmium	106-1	-2.98	-3.03	-4.19	-3.40		ppb
Cadmium	111-1	-0.06	-0.06	-0.08	-0.07		ppb
Calcium	43-1	47481.95	48607.64	48425.16	48171.58	1.25	ppb
Calcium	44-1	46671.43	47844.34	47382.26	47299.34	1.25	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.23	0.22	0.27	0.24	11.37	ppb
Cobalt	59-2	0.07	0.07	0.07	0.07	0.81	ppb
Copper	63-2	7.55	7.47	7.38	7.47	1.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				109		%
Indium	115-1				108		%
Indium	115-2				104		%
Iron	56-2	21.61	21.53	22.11	21.75	1.46	ppb
Iron	57-2	370.63	369.29	377.66	372.53	1.21	ppb
Iron	54-2	21.77	21.99	19.74	21.17	5.85	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-14 Instrumnet Name : P7
Client Sample ID : MC0AF6 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:55:23 DataFile Name : 071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.15	0.14	0.15	0.15	4.27	ppb
Lead	207-1	0.15	0.14	0.13	0.14	4.86	ppb
Lead	208-1	0.15	0.14	0.15	0.15	2.90	ppb
Lithium	6-1				113		%
Magnesium	24-2	9078.15	8875.33	8851.11	8934.86	1.40	ppb
Manganese	55-2	6.50	6.51	6.32	6.44	1.68	ppb
Molybdenum	94-1	9.18	9.48	9.46	9.37	1.82	ppb
Molybdenum	95-1	11.09	11.18	11.51	11.26	1.99	ppb
Molybdenum	96-1	10.86	11.02	11.16	11.02	1.38	ppb
Molybdenum	97-1	11.10	11.43	11.60	11.38	2.23	ppb
Molybdenum	98-1	11.12	11.32	11.41	11.29	1.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.09	0.18	0.19	0.15	36.15	ppb
Phosphorus	31-2	-14.77	-17.63	-13.04	-15.15		ppb
Potassium	39-2	1717.86	1716.08	1709.25	1714.40	0.26	ppb
Rhodium	103-1				105		%
Rhodium	103-2				104		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	0.31	0.38	0.61	0.43	36.15	ppb
Selenium	77-2	-0.06	-0.06	-0.20	-0.10		ppb
Selenium	78-2	-0.87	-0.58	-1.21	-0.89		ppb
Silicon	28-1	1452.67	1520.52	1486.03	1486.40	2.28	ppb
Silver	107-1	0.00	0.01	0.00	0.00	25.91	ppb
Silver	109-1	0.00	0.01	0.01	0.01	3.43	ppb
Sodium	23-2	21281.64	21229.90	20756.25	21089.27	1.37	ppb
Strontium	86-1	1119.65	1124.57	1147.21	1130.48	1.30	ppb
Strontium	88-1	1107.88	1125.74	1132.12	1121.91	1.12	ppb
Sulfur	34-1	7081.04	7228.61	7083.07	7130.91	1.19	ppb
Terbium	159-1				112		%
Terbium	159-2				110		%
Thallium	203-1	0.08	0.08	0.09	0.09	3.55	ppb
Thallium	205-1	0.08	0.08	0.08	0.08	0.54	ppb
Tin	118-1	0.13	0.15	0.13	0.14	9.96	ppb
Titanium	47-1	0.72	0.77	0.67	0.72	7.21	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-14 Instrumnet Name : P7
Client Sample ID : MC0AF6 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:55:23 DataFile Name : 071SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.95	5.04	5.16	5.05	2.08	ppb
Vanadium	51-2	2.77	2.72	2.70	2.73	1.32	ppb
Yttrium	89-1				106		%
Yttrium	89-2				104		%
Zinc	66-2	3.71	3.54	3.49	3.58	3.32	ppb
Zirconium	90-1	0.02	0.07	0.01	0.03	95.37	ppb
Zirconium	91-1	0.02	0.02	0.02	0.02	4.43	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-15 Instrumnet Name : P7
Client Sample ID : MC0AF7 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:58:32 DataFile Name : 072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	74.71	74.85	76.30	75.29	1.17	ppb
Antimony	121-1	36.90	37.77	37.64	37.44	1.26	ppb
Arsenic	75-2	5.51	5.55	5.54	5.54	0.40	ppb
Barium	135-1	54.08	55.78	55.16	55.01	1.57	ppb
Barium	137-1	55.13	56.22	55.58	55.64	0.99	ppb
Beryllium	9-1	0.02	0.01	0.01	0.01	34.15	ppb
Bismuth	209-1				117		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.08	0.08	0.13	0.10	29.53	ppb
Cadmium	106-1	-3.62	-2.51	-3.03	-3.05		ppb
Cadmium	111-1	-0.04	-0.01	-0.03	-0.03		ppb
Calcium	43-1	53003.24	54320.83	54629.24	53984.44	1.60	ppb
Calcium	44-1	52069.63	52574.68	52971.19	52538.50	0.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.15	2.07	2.10	2.11	1.88	ppb
Cobalt	59-2	0.19	0.18	0.18	0.18	2.24	ppb
Copper	63-2	42.70	42.92	42.75	42.79	0.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				112		%
Holmium	165-2				110		%
Indium	115-1				106		%
Indium	115-2				103		%
Iron	56-2	78.76	79.17	80.04	79.33	0.82	ppb
Iron	57-2	464.02	476.54	475.19	471.91	1.46	ppb
Iron	54-2	79.62	78.15	80.02	79.26	1.24	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-15 Instrumnet Name : P7
Client Sample ID : MC0AF7 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:58:32 DataFile Name : 072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.47	0.46	0.47	0.47	1.69	ppb
Lead	207-1	0.46	0.47	0.47	0.47	2.04	ppb
Lead	208-1	0.46	0.47	0.47	0.47	1.15	ppb
Lithium	6-1				115		%
Magnesium	24-2	11192.94	11174.83	11208.42	11192.07	0.15	ppb
Manganese	55-2	18.24	18.28	18.01	18.18	0.80	ppb
Molybdenum	94-1	24.50	25.18	25.69	25.12	2.39	ppb
Molybdenum	95-1	29.21	30.34	31.08	30.21	3.11	ppb
Molybdenum	96-1	28.65	29.76	30.56	29.66	3.24	ppb
Molybdenum	97-1	29.53	30.89	31.32	30.58	3.06	ppb
Molybdenum	98-1	29.56	30.70	31.14	30.47	2.68	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.01	4.08	4.21	4.10	2.52	ppb
Phosphorus	31-2	21.19	22.47	22.98	22.21	4.13	ppb
Potassium	39-2	3847.76	3844.33	3830.99	3841.03	0.23	ppb
Rhodium	103-1				104		%
Rhodium	103-2				102		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	82-1	0.27	0.40	0.26	0.31	26.44	ppb
Selenium	77-2	0.24	-0.20	-0.05	-0.01		ppb
Selenium	78-2	-0.94	-0.59	-0.22	-0.58		ppb
Silicon	28-1	1090.85	1120.37	1124.87	1112.03	1.66	ppb
Silver	107-1	0.01	0.00	0.01	0.01	29.04	ppb
Silver	109-1	0.00	0.01	0.00	0.00	28.79	ppb
Sodium	23-2	32500.12	32981.32	32609.27	32696.90	0.77	ppb
Strontium	86-1	1598.28	1653.56	1679.78	1643.87	2.53	ppb
Strontium	88-1	1607.81	1653.70	1670.58	1644.03	1.98	ppb
Sulfur	34-1	29412.77	30297.72	30353.43	30021.31	1.76	ppb
Terbium	159-1				112		%
Terbium	159-2				108		%
Thallium	203-1	0.03	0.02	0.02	0.02	17.51	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	10.16	ppb
Tin	118-1	0.17	0.20	0.19	0.19	9.76	ppb
Titanium	47-1	1.57	1.59	1.64	1.60	2.48	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-15 Instrumnet Name : P7
Client Sample ID : MC0AF7 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:58:32 DataFile Name : 072SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	6.42	6.58	6.51	6.50	1.25	ppb
Vanadium	51-2	1.37	1.43	1.35	1.38	2.95	ppb
Yttrium	89-1				106		%
Yttrium	89-2				103		%
Zinc	66-2	19.72	19.66	19.80	19.73	0.36	ppb
Zirconium	90-1	0.05	0.06	0.06	0.06	7.17	ppb
Zirconium	91-1	0.05	0.06	0.06	0.06	6.72	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-16 Instrumnet Name : P7
Client Sample ID : MC0AE3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:01:42 DataFile Name : 073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	544.64	545.56	561.55	550.58	1.73	ppb
Antimony	121-1	1.38	1.40	1.45	1.41	2.48	ppb
Arsenic	75-2	2.86	2.86	2.77	2.83	1.88	ppb
Barium	135-1	48.15	48.98	51.49	49.54	3.51	ppb
Barium	137-1	48.84	49.12	51.72	49.89	3.18	ppb
Beryllium	9-1	0.05	0.08	0.06	0.06	26.29	ppb
Bismuth	209-1				115		%
Bismuth	209-2				110		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.48	0.36	0.46	0.43	15.80	ppb
Cadmium	106-1	-2.46	-2.74	-3.95	-3.05		ppb
Cadmium	111-1	0.03	0.02	0.01	0.02	58.45	ppb
Calcium	43-1	43299.48	43027.77	45433.62	43920.29	3.00	ppb
Calcium	44-1	41755.52	42429.25	43541.37	42575.38	2.12	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.03	3.97	4.05	4.02	1.00	ppb
Cobalt	59-2	0.52	0.50	0.52	0.51	2.36	ppb
Copper	63-2	320.65	313.46	315.36	316.49	1.18	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				110		%
Holmium	165-2				108		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	923.24	934.58	955.74	937.85	1.76	ppb
Iron	57-2	1227.78	1237.23	1267.82	1244.28	1.68	ppb
Iron	54-2	939.21	957.74	957.46	951.47	1.12	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-16 Instrumnet Name : P7
Client Sample ID : MC0AE3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:01:42 DataFile Name : 073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	3.97	4.00	4.23	4.06	3.54	ppb
Lead	207-1	3.81	3.78	3.99	3.86	2.91	ppb
Lead	208-1	3.88	3.88	4.05	3.94	2.58	ppb
Lithium	6-1				113		%
Magnesium	24-2	7937.77	8068.50	8169.21	8058.49	1.44	ppb
Manganese	55-2	51.10	50.72	51.68	51.17	0.95	ppb
Molybdenum	94-1	22.03	21.96	22.93	22.31	2.42	ppb
Molybdenum	95-1	25.19	25.22	26.07	25.50	1.95	ppb
Molybdenum	96-1	24.51	24.71	25.69	24.97	2.53	ppb
Molybdenum	97-1	25.40	25.14	26.52	25.69	2.84	ppb
Molybdenum	98-1	25.08	25.31	26.25	25.55	2.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	4.82	4.72	4.74	4.76	1.07	ppb
Phosphorus	31-2	40.29	33.96	36.91	37.05	8.54	ppb
Potassium	39-2	4063.84	4009.80	4148.35	4074.00	1.71	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	-0.36	0.38	0.27	0.10	416.37	ppb
Selenium	77-2	-0.06	0.68	0.10	0.24	161.53	ppb
Selenium	78-2	-0.24	-1.15	-0.60	-0.66		ppb
Silicon	28-1	1420.23	1455.66	1510.69	1462.19	3.12	ppb
Silver	107-1	0.01	0.01	0.01	0.01	22.94	ppb
Silver	109-1	0.01	0.01	0.01	0.01	32.02	ppb
Sodium	23-2	43695.64	44193.84	44179.55	44023.01	0.64	ppb
Strontium	86-1	1089.05	1100.92	1155.01	1114.99	3.15	ppb
Strontium	88-1	1092.50	1087.62	1136.74	1105.62	2.45	ppb
Sulfur	34-1	12121.78	12505.52	13009.85	12545.72	3.55	ppb
Terbium	159-1				110		%
Terbium	159-2				108		%
Thallium	203-1	0.02	0.02	0.02	0.02	9.13	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	6.70	ppb
Tin	118-1	0.74	0.74	0.80	0.76	4.27	ppb
Titanium	47-1	11.90	12.32	13.08	12.44	4.79	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-16 Instrumnet Name : P7
Client Sample ID : MC0AE3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:01:42 DataFile Name : 073SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.49	4.44	4.66	4.53	2.56	ppb
Vanadium	51-2	1.37	1.37	1.27	1.33	4.14	ppb
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	313.97	320.67	319.29	317.98	1.11	ppb
Zirconium	90-1	0.76	0.79	0.81	0.79	3.20	ppb
Zirconium	91-1	0.72	0.78	0.79	0.76	4.52	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-17 Instrumnet Name : P7
Client Sample ID : MC0AE4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:04:48 DataFile Name : 074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	381.38	396.95	384.61	387.65	2.12	ppb
Antimony	121-1	0.20	0.21	0.20	0.20	2.71	ppb
Arsenic	75-2	2.49	2.84	2.27	2.54	11.51	ppb
Barium	135-1	76.91	76.86	77.32	77.03	0.33	ppb
Barium	137-1	76.69	78.03	77.28	77.34	0.87	ppb
Beryllium	9-1	0.05	0.09	0.08	0.07	27.86	ppb
Bismuth	209-1				115		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.10	1.54	1.27	1.30	17.02	ppb
Cadmium	106-1	-1.27	-2.77	-2.92	-2.32		ppb
Cadmium	111-1	-0.07	-0.13	-0.11	-0.11		ppb
Calcium	43-1	78117.89	78035.95	76143.16	77432.33	1.44	ppb
Calcium	44-1	75716.30	76718.54	75245.25	75893.36	0.99	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10.37	10.37	10.40	10.38	0.17	ppb
Cobalt	59-2	0.20	0.22	0.22	0.22	5.92	ppb
Copper	63-2	60.11	59.45	59.50	59.69	0.61	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				107		%
Indium	115-1				104		%
Indium	115-2				101		%
Iron	56-2	374.09	380.83	381.83	378.91	1.11	ppb
Iron	57-2	910.84	944.53	939.10	931.49	1.94	ppb
Iron	54-2	388.13	391.34	390.97	390.15	0.45	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-17 Instrumnet Name : P7
Client Sample ID : MC0AE4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:04:48 DataFile Name : 074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.04	1.07	1.04	1.05	1.69	ppb
Lead	207-1	0.98	0.95	0.97	0.96	1.59	ppb
Lead	208-1	0.97	1.01	0.97	0.98	1.93	ppb
Lithium	6-1				114		%
Magnesium	24-2	11083.30	11042.20	11095.08	11073.53	0.25	ppb
Manganese	55-2	19.26	19.62	19.38	19.42	0.95	ppb
Molybdenum	94-1	5.94	5.96	6.07	5.99	1.18	ppb
Molybdenum	95-1	5.10	5.12	5.08	5.10	0.40	ppb
Molybdenum	96-1	5.07	5.23	5.16	5.15	1.55	ppb
Molybdenum	97-1	5.25	5.11	5.18	5.18	1.42	ppb
Molybdenum	98-1	5.04	4.99	5.12	5.05	1.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.60	1.46	1.54	1.53	4.58	ppb
Phosphorus	31-2	14.46	26.06	23.65	21.39	28.63	ppb
Potassium	39-2	2226.97	2249.37	2201.45	2225.93	1.08	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				98		%
Scandium	45-2				99		%
Selenium	82-1	0.22	-0.04	0.04	0.08	181.52	ppb
Selenium	77-2	0.25	0.70	0.10	0.35	89.21	ppb
Selenium	78-2	-1.03	-1.06	0.57	-0.50		ppb
Silicon	28-1	1836.83	1861.33	1836.41	1844.86	0.77	ppb
Silver	107-1	0.00	0.00	0.00	0.00	46.90	ppb
Silver	109-1	0.01	0.00	0.00	0.01	22.98	ppb
Sodium	23-2	14681.09	14740.60	14739.86	14720.52	0.23	ppb
Strontium	86-1	636.92	628.74	632.10	632.59	0.65	ppb
Strontium	88-1	627.29	631.51	627.53	628.78	0.38	ppb
Sulfur	34-1	53381.60	53907.03	52553.60	53280.74	1.28	ppb
Terbium	159-1				110		%
Terbium	159-2				107		%
Thallium	203-1	0.01	0.01	0.01	0.01	13.13	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	22.73	ppb
Tin	118-1	0.32	0.32	0.33	0.32	2.25	ppb
Titanium	47-1	6.79	6.60	6.60	6.66	1.62	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-17 Instrumnet Name : P7
Client Sample ID : MC0AE4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:04:48 DataFile Name : 074SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	9.83	10.00	9.77	9.87	1.18	ppb
Vanadium	51-2	2.34	2.30	2.39	2.34	1.94	ppb
Yttrium	89-1				103		%
Yttrium	89-2				100		%
Zinc	66-2	22.49	23.06	22.64	22.73	1.30	ppb
Zirconium	90-1	0.93	0.93	0.95	0.93	1.17	ppb
Zirconium	91-1	0.94	0.92	0.98	0.95	2.72	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-18 Instrumnet Name : P7
Client Sample ID : MC0AE5 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:07:57 DataFile Name : 075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	171.31	175.52	173.98	173.60	1.23	ppb
Antimony	121-1	0.36	0.40	0.42	0.39	7.98	ppb
Arsenic	75-2	2.25	2.29	2.21	2.25	1.80	ppb
Barium	135-1	65.21	67.11	68.47	66.93	2.45	ppb
Barium	137-1	65.39	67.95	68.26	67.20	2.35	ppb
Beryllium	9-1	0.01	0.02	0.02	0.02	42.50	ppb
Bismuth	209-1				116		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.14	0.18	0.17	0.16	11.66	ppb
Cadmium	106-1	-2.95	-2.49	-3.91	-3.12		ppb
Cadmium	111-1	-0.03	-0.02	-0.03	-0.02		ppb
Calcium	43-1	47238.72	49209.23	48354.60	48267.52	2.05	ppb
Calcium	44-1	45647.14	47426.33	47497.07	46856.84	2.24	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8.10	7.90	8.14	8.05	1.64	ppb
Cobalt	59-2	0.38	0.37	0.37	0.37	1.87	ppb
Copper	63-2	107.33	107.39	108.74	107.82	0.74	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				109		%
Indium	115-1				105		%
Indium	115-2				101		%
Iron	56-2	406.37	407.41	412.14	408.64	0.75	ppb
Iron	57-2	745.55	752.77	750.32	749.55	0.49	ppb
Iron	54-2	415.64	421.93	419.17	418.91	0.75	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-18 Instrumnet Name : P7
Client Sample ID : MC0AE5 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:07:57 DataFile Name : 075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.39	1.44	1.44	1.43	1.95	ppb
Lead	207-1	1.38	1.44	1.40	1.40	2.30	ppb
Lead	208-1	1.37	1.45	1.42	1.41	2.66	ppb
Lithium	6-1				117		%
Magnesium	24-2	11583.00	11561.73	11767.17	11637.30	0.97	ppb
Manganese	55-2	78.96	80.77	79.04	79.59	1.28	ppb
Molybdenum	94-1	15.05	15.82	15.63	15.50	2.58	ppb
Molybdenum	95-1	18.19	19.05	19.03	18.76	2.62	ppb
Molybdenum	96-1	17.74	18.39	18.69	18.27	2.66	ppb
Molybdenum	97-1	18.26	18.95	18.86	18.69	2.00	ppb
Molybdenum	98-1	18.38	18.96	18.73	18.69	1.57	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.35	1.51	1.59	1.48	8.44	ppb
Phosphorus	31-2	16.20	18.66	22.51	19.12	16.64	ppb
Potassium	39-2	8364.25	8518.61	8312.57	8398.48	1.28	ppb
Rhodium	103-1				103		%
Rhodium	103-2				101		%
Scandium	45-1				100		%
Scandium	45-2				99		%
Selenium	82-1	0.10	0.12	0.04	0.09	47.60	ppb
Selenium	77-2	-0.20	-0.05	-0.05	-0.10		ppb
Selenium	78-2	-0.31	-1.92	-1.54	-1.26		ppb
Silicon	28-1	1417.02	1465.15	1463.54	1448.57	1.89	ppb
Silver	107-1	0.00	0.00	0.00	0.00	23.06	ppb
Silver	109-1	0.00	0.00	0.01	0.00	72.06	ppb
Sodium	23-2	20316.03	20246.79	20537.96	20366.92	0.75	ppb
Strontium	86-1	2220.64	2295.48	2306.63	2274.25	2.06	ppb
Strontium	88-1	2198.87	2260.36	2267.00	2242.08	1.68	ppb
Sulfur	34-1	9303.74	9711.51	9787.18	9600.81	2.71	ppb
Terbium	159-1				110		%
Terbium	159-2				106		%
Thallium	203-1	0.01	0.01	0.01	0.01	23.59	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	13.75	ppb
Tin	118-1	19.20	19.36	20.29	19.62	3.02	ppb
Titanium	47-1	3.55	3.63	3.66	3.61	1.58	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-18 Instrumnet Name : P7
Client Sample ID : MC0AE5 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:07:57 DataFile Name : 075SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	4.96	5.22	5.17	5.12	2.63	ppb
Vanadium	51-2	0.55	0.53	0.55	0.55	1.96	ppb
Yttrium	89-1				104		%
Yttrium	89-2				101		%
Zinc	66-2	181.57	181.04	182.42	181.68	0.38	ppb
Zirconium	90-1	0.06	0.05	0.09	0.07	26.57	ppb
Zirconium	91-1	0.05	0.05	0.04	0.05	16.14	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-19 Instrumnet Name : P7
Client Sample ID : MC0AF2 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:11:04 DataFile Name : 076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1578.39	1579.42	1575.99	1577.93	0.11	ppb
Antimony	121-1	0.58	0.56	0.54	0.56	3.57	ppb
Arsenic	75-2	15.87	15.81	15.56	15.74	1.05	ppb
Barium	135-1	27.30	27.27	27.60	27.39	0.67	ppb
Barium	137-1	27.41	27.68	27.97	27.69	1.02	ppb
Beryllium	9-1	0.08	0.08	0.09	0.08	9.91	ppb
Bismuth	209-1				110		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.22	0.98	1.09	1.10	11.05	ppb
Cadmium	106-1	-2.79	-2.01	-2.79	-2.53		ppb
Cadmium	111-1	-0.09	-0.08	-0.09	-0.09		ppb
Calcium	43-1	59970.90	59811.64	61348.19	60376.91	1.40	ppb
Calcium	44-1	59394.08	59374.45	59324.56	59364.36	0.06	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20.88	20.93	20.88	20.90	0.15	ppb
Cobalt	59-2	1.05	1.04	1.06	1.05	1.08	ppb
Copper	63-2	4.21	4.22	4.13	4.19	1.23	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				111		%
Holmium	165-2				108		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	56-2	3418.71	3379.33	3430.73	3409.59	0.79	ppb
Iron	57-2	3827.41	3830.33	3832.70	3830.15	0.07	ppb
Iron	54-2	3472.54	3450.51	3478.52	3467.19	0.43	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-19 Instrumnet Name : P7
Client Sample ID : MC0AF2 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:11:04 DataFile Name : 076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.48	1.60	1.51	1.53	3.93	ppb
Lead	207-1	1.43	1.43	1.44	1.43	0.31	ppb
Lead	208-1	1.43	1.47	1.46	1.46	1.45	ppb
Lithium	6-1				114		%
Magnesium	24-2	5710.96	5672.95	5610.98	5664.96	0.89	ppb
Manganese	55-2	99.10	97.89	98.71	98.57	0.63	ppb
Molybdenum	94-1	9.79	10.16	10.00	9.98	1.86	ppb
Molybdenum	95-1	10.89	10.76	10.98	10.88	1.02	ppb
Molybdenum	96-1	10.77	10.70	10.80	10.76	0.49	ppb
Molybdenum	97-1	10.60	10.73	10.76	10.70	0.81	ppb
Molybdenum	98-1	10.67	10.95	10.75	10.79	1.33	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	7.05	7.13	7.15	7.11	0.74	ppb
Phosphorus	31-2	351.66	346.24	341.03	346.31	1.54	ppb
Potassium	39-2	6472.12	6490.91	6493.39	6485.47	0.18	ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				96		%
Scandium	45-2				98		%
Selenium	82-1	2.80	2.02	2.58	2.46	16.32	ppb
Selenium	77-2	1.91	1.62	2.82	2.11	29.72	ppb
Selenium	78-2	2.39	0.99	2.43	1.94	42.32	ppb
Silicon	28-1	1413.55	1437.58	1442.05	1431.06	1.07	ppb
Silver	107-1	0.02	0.02	0.03	0.03	18.95	ppb
Silver	109-1	0.03	0.03	0.02	0.03	12.12	ppb
Sodium	23-2	395705.75	391590.28	392143.76	393146.60	0.57	ppb
Strontium	86-1	340.28	344.93	344.05	343.09	0.72	ppb
Strontium	88-1	351.53	353.52	352.61	352.55	0.28	ppb
Sulfur	34-1	421945.41	422742.86	427215.60	423967.96	0.67	ppb
Terbium	159-1				110		%
Terbium	159-2				106		%
Thallium	203-1	0.02	0.02	0.02	0.02	19.60	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	8.88	ppb
Tin	118-1	0.61	0.36	0.34	0.44	35.50	ppb
Titanium	47-1	31.11	30.93	32.50	31.51	2.73	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-19 Instrumnet Name : P7
Client Sample ID : MC0AF2 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:11:04 DataFile Name : 076SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	3.68	3.72	3.71	3.70	0.49	ppb
Vanadium	51-2	14.81	14.73	14.80	14.78	0.30	ppb
Yttrium	89-1				102		%
Yttrium	89-2				100		%
Zinc	66-2	6.01	5.83	5.95	5.93	1.51	ppb
Zirconium	90-1	0.67	0.69	0.70	0.69	2.57	ppb
Zirconium	91-1	0.65	0.76	0.69	0.70	7.83	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-20 Instrumnet Name : P7
Client Sample ID : MC0AF3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:14:15 DataFile Name : 077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	644.64	656.09	646.05	648.92	0.96	ppb
Antimony	121-1	14.69	15.56	15.79	15.35	3.76	ppb
Arsenic	75-2	6.72	6.47	6.52	6.57	1.94	ppb
Barium	135-1	46.61	48.45	49.04	48.03	2.64	ppb
Barium	137-1	46.83	48.98	49.42	48.41	2.86	ppb
Beryllium	9-1	0.05	0.08	0.06	0.06	30.96	ppb
Bismuth	209-1				118		%
Bismuth	209-2				111		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.63	0.87	0.88	0.79	18.40	ppb
Cadmium	106-1	-3.20	-2.81	-3.26	-3.09		ppb
Cadmium	111-1	-0.05	-0.07	-0.07	-0.06		ppb
Calcium	43-1	38557.15	39598.99	40879.25	39678.46	2.93	ppb
Calcium	44-1	37298.51	38744.68	39436.31	38493.16	2.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12.06	12.12	11.94	12.04	0.78	ppb
Cobalt	59-2	0.50	0.47	0.49	0.49	2.60	ppb
Copper	63-2	4.61	4.67	4.64	4.64	0.63	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				109		%
Indium	115-1				108		%
Indium	115-2				102		%
Iron	56-2	880.57	889.42	874.11	881.36	0.87	ppb
Iron	57-2	1141.71	1173.29	1154.97	1156.66	1.37	ppb
Iron	54-2	888.49	901.53	876.19	888.74	1.43	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-20 Instrumnet Name : P7
Client Sample ID : MC0AF3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:14:15 DataFile Name : 077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.15	1.15	1.21	1.17	2.80	ppb
Lead	207-1	1.04	1.11	1.09	1.08	3.40	ppb
Lead	208-1	1.08	1.11	1.13	1.11	2.17	ppb
Lithium	6-1				118		%
Magnesium	24-2	4899.35	4883.88	4864.82	4882.68	0.35	ppb
Manganese	55-2	57.97	59.39	57.91	58.42	1.43	ppb
Molybdenum	94-1	36.28	38.40	37.47	37.39	2.85	ppb
Molybdenum	95-1	41.64	42.96	42.28	42.29	1.55	ppb
Molybdenum	96-1	40.92	42.65	41.98	41.85	2.09	ppb
Molybdenum	97-1	41.24	44.03	43.51	42.93	3.46	ppb
Molybdenum	98-1	42.07	43.55	42.99	42.87	1.74	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.85	1.86	1.76	1.83	3.04	ppb
Phosphorus	31-2	57.33	58.19	50.21	55.24	7.92	ppb
Potassium	39-2	3996.53	4069.59	4020.23	4028.78	0.93	ppb
Rhodium	103-1				105		%
Rhodium	103-2				102		%
Scandium	45-1				102		%
Scandium	45-2				102		%
Selenium	82-1	0.70	0.41	0.52	0.54	26.89	ppb
Selenium	77-2	0.24	0.97	0.54	0.58	63.03	ppb
Selenium	78-2	0.18	-0.07	-1.21	-0.36		ppb
Silicon	28-1	1656.08	1726.74	1755.07	1712.63	2.98	ppb
Silver	107-1	0.01	0.01	0.01	0.01	13.05	ppb
Silver	109-1	0.00	0.01	0.01	0.01	37.26	ppb
Sodium	23-2	35842.40	35661.49	34942.05	35481.98	1.34	ppb
Strontium	86-1	802.26	842.84	825.85	823.65	2.47	ppb
Strontium	88-1	798.49	835.83	828.20	820.84	2.40	ppb
Sulfur	34-1	34527.24	36094.77	36297.64	35639.88	2.72	ppb
Terbium	159-1				114		%
Terbium	159-2				109		%
Thallium	203-1	0.03	0.03	0.02	0.02	17.88	ppb
Thallium	205-1	0.03	0.03	0.02	0.03	12.77	ppb
Tin	118-1	11.94	12.51	12.73	12.39	3.29	ppb
Titanium	47-1	25.31	24.46	25.35	25.04	2.00	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-20 Instrumnet Name : P7
Client Sample ID : MC0AF3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:14:15 DataFile Name : 077SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	2.32	2.36	2.38	2.35	1.29	ppb
Vanadium	51-2	8.70	8.65	8.54	8.63	0.93	ppb
Yttrium	89-1				107		%
Yttrium	89-2				102		%
Zinc	66-2	27.07	28.13	27.18	27.46	2.13	ppb
Zirconium	90-1	1.15	1.26	1.33	1.25	7.22	ppb
Zirconium	91-1	1.18	1.22	1.21	1.21	1.75	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-21 Instrumnet Name : P7
Client Sample ID : MC0AF4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:17:23 DataFile Name : 078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	146.77	149.89	155.77	150.81	3.03	ppb
Antimony	121-1	34.30	34.71	34.20	34.40	0.79	ppb
Arsenic	75-2	3.74	3.41	3.63	3.59	4.69	ppb
Barium	135-1	57.16	58.45	57.08	57.56	1.34	ppb
Barium	137-1	57.91	58.92	57.87	58.23	1.02	ppb
Beryllium	9-1	0.01	0.06	0.03	0.04	72.43	ppb
Bismuth	209-1				117		%
Bismuth	209-2				112		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.27	0.13	0.09	0.16	57.52	ppb
Cadmium	106-1	-3.20	-2.67	-2.86	-2.91		ppb
Cadmium	111-1	-0.02	0.01	0.00	0.00		ppb
Calcium	43-1	50108.52	50331.18	50606.00	50348.57	0.49	ppb
Calcium	44-1	49076.06	49173.15	49197.84	49149.02	0.13	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.49	2.43	2.41	2.44	1.86	ppb
Cobalt	59-2	0.61	0.59	0.59	0.60	1.95	ppb
Copper	63-2	6.87	6.96	6.79	6.87	1.23	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				110		%
Indium	115-1				106		%
Indium	115-2				103		%
Iron	56-2	459.65	454.49	466.82	460.32	1.34	ppb
Iron	57-2	804.43	808.05	830.08	814.19	1.70	ppb
Iron	54-2	460.67	465.71	462.20	462.86	0.56	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-21 Instrumnet Name : P7
Client Sample ID : MC0AF4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:17:23 DataFile Name : 078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.71	0.70	0.67	0.70	2.95	ppb
Lead	207-1	0.67	0.67	0.64	0.66	3.23	ppb
Lead	208-1	0.68	0.67	0.65	0.67	2.07	ppb
Lithium	6-1				116		%
Magnesium	24-2	10763.78	11094.31	10999.13	10952.41	1.55	ppb
Manganese	55-2	103.10	103.02	105.06	103.73	1.12	ppb
Molybdenum	94-1	19.25	19.66	19.55	19.49	1.09	ppb
Molybdenum	95-1	22.98	23.66	23.48	23.37	1.53	ppb
Molybdenum	96-1	22.76	23.38	22.89	23.01	1.43	ppb
Molybdenum	97-1	23.19	23.99	23.40	23.53	1.77	ppb
Molybdenum	98-1	23.22	23.80	23.39	23.47	1.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	12.64	12.66	12.60	12.64	0.25	ppb
Phosphorus	31-2	-1.83	8.95	0.92	2.68	208.89	ppb
Potassium	39-2	4354.33	4442.36	4462.18	4419.62	1.30	ppb
Rhodium	103-1				103		%
Rhodium	103-2				102		%
Scandium	45-1				100		%
Scandium	45-2				102		%
Selenium	82-1	0.35	0.18	0.09	0.21	62.55	ppb
Selenium	77-2	-0.20	0.38	-0.20	-0.01		ppb
Selenium	78-2	-0.33	-1.50	-1.75	-1.19		ppb
Silicon	28-1	1272.22	1272.61	1273.21	1272.68	0.04	ppb
Silver	107-1	0.00	0.01	0.00	0.01	33.49	ppb
Silver	109-1	0.01	0.01	0.01	0.01	3.38	ppb
Sodium	23-2	17068.60	17230.27	17242.48	17180.45	0.56	ppb
Strontium	86-1	1656.79	1679.82	1657.23	1664.62	0.79	ppb
Strontium	88-1	1639.48	1681.16	1641.91	1654.18	1.41	ppb
Sulfur	34-1	11403.50	11292.39	11348.59	11348.16	0.49	ppb
Terbium	159-1				113		%
Terbium	159-2				109		%
Thallium	203-1	0.02	0.03	0.02	0.02	6.35	ppb
Thallium	205-1	0.02	0.03	0.02	0.03	5.29	ppb
Tin	118-1	2.06	2.06	2.08	2.06	0.69	ppb
Titanium	47-1	3.16	3.04	3.14	3.11	2.17	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-21 Instrumnet Name : P7
Client Sample ID : MC0AF4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:17:23 DataFile Name : 078SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	6.08	6.18	6.22	6.16	1.18	ppb
Vanadium	51-2	0.95	0.93	0.96	0.95	1.69	ppb
Yttrium	89-1				104		%
Yttrium	89-2				102		%
Zinc	66-2	122.28	123.23	123.28	122.93	0.46	ppb
Zirconium	90-1	0.09	0.09	0.09	0.09	3.37	ppb
Zirconium	91-1	0.08	0.08	0.10	0.09	8.27	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV004 Instrumnet Name : P7
Client Sample ID : CCV004 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:26:36 DataFile Name : 080CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48690.38	48602.10	48885.26	48725.92	0.30	ppb
Antimony	121-1	473.58	477.07	475.86	475.50	0.37	ppb
Arsenic	75-2	476.17	468.22	468.12	470.84	0.98	ppb
Barium	135-1	2421.27	2379.36	2410.69	2403.77	0.91	ppb
Barium	137-1	2418.44	2372.04	2433.93	2408.14	1.34	ppb
Beryllium	9-1	511.29	501.94	497.91	503.71	1.36	ppb
Bismuth	209-1				112		%
Bismuth	209-2				104		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	466.63	460.15	469.35	465.38	1.02	ppb
Cadmium	106-1	470.16	459.18	470.53	466.62	1.38	ppb
Cadmium	111-1	454.74	449.19	456.98	453.64	0.88	ppb
Calcium	43-1	250295.82	247854.84	245084.02	247744.89	1.05	ppb
Calcium	44-1	243898.37	245946.26	243395.79	244413.47	0.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	487.95	482.72	486.14	485.60	0.55	ppb
Cobalt	59-2	480.71	476.02	482.00	479.58	0.66	ppb
Copper	63-2	4602.28	4603.92	4656.66	4620.96	0.67	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				110		%
Indium	115-1				102		%
Indium	115-2				98		%
Iron	56-2	127727.42	126959.44	127214.56	127300.47	0.31	ppb
Iron	57-2	125937.07	127010.75	125911.46	126286.42	0.50	ppb
Iron	54-2	127583.98	127604.71	126673.30	127287.33	0.42	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV004 Instrumnet Name : P7
Client Sample ID : CCV004 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:26:36 DataFile Name : 080CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2396.13	2460.03	2425.36	2427.18	1.32	ppb
Lead	207-1	2412.90	2446.17	2444.28	2434.45	0.77	ppb
Lead	208-1	2417.01	2457.82	2437.17	2437.34	0.84	ppb
Lithium	6-1				117		%
Magnesium	24-2	265215.54	264581.07	269411.48	266402.70	0.99	ppb
Manganese	55-2	4835.86	4759.06	4794.45	4796.46	0.80	ppb
Molybdenum	94-1	4789.12	4865.24	4948.52	4867.63	1.64	ppb
Molybdenum	95-1	4700.50	4813.14	4909.30	4807.65	2.17	ppb
Molybdenum	96-1	4766.70	4879.09	4878.93	4841.57	1.34	ppb
Molybdenum	97-1	4773.95	4835.87	4875.34	4828.39	1.06	ppb
Molybdenum	98-1	4777.82	4901.37	4866.02	4848.40	1.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	454.19	452.14	457.56	454.63	0.60	ppb
Phosphorus	31-2	9650.16	9455.15	9498.89	9534.73	1.07	ppb
Potassium	39-2	122310.49	123289.74	123325.50	122975.24	0.47	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	449.96	463.39	463.37	458.91	1.69	ppb
Selenium	77-2	459.99	450.22	453.88	454.70	1.09	ppb
Selenium	78-2	455.68	456.67	456.00	456.12	0.11	ppb
Silicon	28-1	395.27	388.81	393.84	392.64	0.86	ppb
Silver	107-1	467.38	460.47	470.59	466.15	1.11	ppb
Silver	109-1	465.85	469.47	468.59	467.97	0.40	ppb
Sodium	23-2	251431.47	250569.92	252045.41	251348.93	0.29	ppb
Strontium	86-1	481.73	489.55	481.36	484.21	0.96	ppb
Strontium	88-1	473.10	489.15	482.11	481.45	1.67	ppb
Sulfur	34-1	9668.02	9539.73	9559.08	9588.94	0.72	ppb
Terbium	159-1				112		%
Terbium	159-2				108		%
Thallium	203-1	477.41	488.26	482.83	482.83	1.12	ppb
Thallium	205-1	489.13	496.97	489.58	491.89	0.90	ppb
Tin	118-1	471.67	474.40	471.77	472.61	0.33	ppb
Titanium	47-1	4688.74	4763.42	4820.47	4757.54	1.39	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV004 Instrumnet Name : P7
Client Sample ID : CCV004 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:26:36 DataFile Name : 080CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	483.17	493.35	491.82	489.44	1.12	ppb
Vanadium	51-2	494.24	490.87	497.42	494.18	0.66	ppb
Yttrium	89-1				104		%
Yttrium	89-2				101		%
Zinc	66-2	4553.21	4481.71	4549.57	4528.16	0.89	ppb
Zirconium	90-1	476.20	484.68	485.53	482.14	1.07	ppb
Zirconium	91-1	472.70	483.33	493.62	483.22	2.16	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB004 Instrumnet Name : P7
Client Sample ID : CCB004 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:29:18 DataFile Name : 081CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.86	3.27	2.62	3.58	32.23	ppb
Antimony	121-1	0.31	0.24	0.21	0.25	20.96	ppb
Arsenic	75-2	0.05	0.01	0.01	0.03	94.99	ppb
Barium	135-1	0.87	0.53	0.37	0.59	42.73	ppb
Barium	137-1	0.74	0.53	0.41	0.56	30.19	ppb
Beryllium	9-1	0.22	0.14	0.18	0.18	22.42	ppb
Bismuth	209-1				119		%
Bismuth	209-2				114		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.21	0.13	0.05	0.13	64.01	ppb
Cadmium	106-1	-2.28	-3.14	-2.83	-2.75		ppb
Cadmium	111-1	0.14	0.05	0.02	0.07	88.35	ppb
Calcium	43-1	79.60	46.75	41.13	55.83	37.22	ppb
Calcium	44-1	78.62	46.84	36.24	53.90	40.91	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.08	-0.11	-0.13	-0.11		ppb
Cobalt	59-2	0.04	0.02	0.02	0.03	42.34	ppb
Copper	63-2	0.28	0.11	0.04	0.14	82.97	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				113		%
Holmium	165-2				109		%
Indium	115-1				107		%
Indium	115-2				104		%
Iron	56-2	12.77	8.85	6.40	9.34	34.36	ppb
Iron	57-2	9.51	6.34	3.23	6.36	49.40	ppb
Iron	54-2	12.19	7.44	5.03	8.22	44.28	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB004 Instrumnet Name : P7
Client Sample ID : CCB004 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:29:18 DataFile Name : 081CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.83	0.56	0.46	0.62	31.40	ppb
Lead	207-1	0.83	0.54	0.44	0.60	33.44	ppb
Lead	208-1	0.82	0.55	0.45	0.61	31.69	ppb
Lithium	6-1				123		%
Magnesium	24-2	25.17	18.13	13.68	18.99	30.50	ppb
Manganese	55-2	0.44	0.32	0.21	0.33	34.78	ppb
Molybdenum	94-1	1.88	1.21	0.95	1.35	35.50	ppb
Molybdenum	95-1	1.75	1.22	0.95	1.31	31.10	ppb
Molybdenum	96-1	1.88	1.23	1.03	1.38	32.05	ppb
Molybdenum	97-1	1.78	1.24	0.97	1.33	30.67	ppb
Molybdenum	98-1	1.83	1.18	0.98	1.33	33.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.05	-0.10	-0.11	-0.09		ppb
Phosphorus	31-2	-27.58	-24.49	-27.42	-26.50		ppb
Potassium	39-2	4.00	-1.22	-0.25	0.84	330.99	ppb
Rhodium	103-1				105		%
Rhodium	103-2				105		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	0.26	0.06	-0.05	0.09	169.72	ppb
Selenium	77-2	-0.06	-0.05	-0.05	-0.05		ppb
Selenium	78-2	-2.02	-2.14	-1.32	-1.83		ppb
Silicon	28-1	-28.67	-29.41	-29.13	-29.07		ppb
Silver	107-1	0.20	0.14	0.10	0.15	33.82	ppb
Silver	109-1	0.19	0.13	0.11	0.15	27.28	ppb
Sodium	23-2	67.73	59.37	56.03	61.04	9.87	ppb
Strontium	86-1	0.13	0.13	0.06	0.11	36.52	ppb
Strontium	88-1	0.17	0.10	0.09	0.12	33.32	ppb
Sulfur	34-1	-156.15	-169.47	-164.84	-163.49		ppb
Terbium	159-1				111		%
Terbium	159-2				108		%
Thallium	203-1	0.18	0.12	0.09	0.13	37.74	ppb
Thallium	205-1	0.17	0.12	0.09	0.13	30.10	ppb
Tin	118-1	0.16	0.10	0.07	0.11	42.23	ppb
Titanium	47-1	1.70	1.09	0.92	1.24	33.10	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB004 Instrumnet Name : P7
Client Sample ID : CCB004 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:29:18 DataFile Name : 081CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.15	0.10	0.08	0.11	33.16	ppb
Vanadium	51-2	0.04	0.02	0.03	0.03	27.52	ppb
Yttrium	89-1				105		%
Yttrium	89-2				103		%
Zinc	66-2	0.39	0.24	0.18	0.27	39.17	ppb
Zirconium	90-1	0.20	0.12	0.10	0.14	34.87	ppb
Zirconium	91-1	0.22	0.13	0.11	0.16	37.72	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-07DLX2 Instrumnet Name : P7
Client Sample ID : MC0AE9 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:39:41 DataFile Name : 082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2291.77	2257.03	2243.59	2264.13	1.10	ppb
Antimony	121-1	0.17	0.18	0.16	0.17	4.81	ppb
Arsenic	75-2	10.32	10.29	9.83	10.14	2.71	ppb
Barium	135-1	1.93	2.35	2.07	2.12	10.07	ppb
Barium	137-1	2.13	2.30	2.19	2.20	3.87	ppb
Beryllium	9-1	0.04	0.04	0.02	0.03	38.10	ppb
Bismuth	209-1				107		%
Bismuth	209-2				107		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.79	1.04	0.89	0.90	14.04	ppb
Cadmium	106-1	-3.80	-4.66	-4.99	-4.48		ppb
Cadmium	111-1	-0.12	-0.15	-0.16	-0.14		ppb
Calcium	43-1	3722.32	4366.79	4001.68	4030.27	8.02	ppb
Calcium	44-1	3755.70	4248.49	3931.26	3978.48	6.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	32.03	31.63	31.20	31.62	1.31	ppb
Cobalt	59-2	0.09	0.07	0.08	0.08	11.31	ppb
Copper	63-2	0.97	0.45	0.48	0.63	46.73	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				107		%
Holmium	165-2				110		%
Indium	115-1				98		%
Indium	115-2				101		%
Iron	56-2	142.03	146.62	138.20	142.28	2.96	ppb
Iron	57-2	180.07	162.65	158.79	167.17	6.78	ppb
Iron	54-2	160.90	165.90	159.14	161.98	2.17	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-07DLX2 Instrumnet Name : P7
Client Sample ID : MC0AE9 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:39:41 DataFile Name : 082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.30	0.36	0.32	0.33	9.45	ppb
Lead	207-1	0.28	0.36	0.26	0.30	16.57	ppb
Lead	208-1	0.29	0.35	0.29	0.31	10.30	ppb
Lithium	6-1				111		%
Magnesium	24-2	130.49	125.34	124.51	126.78	2.56	ppb
Manganese	55-2	7.05	7.13	7.19	7.12	0.97	ppb
Molybdenum	94-1	3.69	4.13	3.76	3.86	6.10	ppb
Molybdenum	95-1	4.19	4.57	4.32	4.36	4.39	ppb
Molybdenum	96-1	3.96	4.62	4.22	4.27	7.79	ppb
Molybdenum	97-1	4.17	4.68	4.33	4.39	5.99	ppb
Molybdenum	98-1	4.24	4.68	4.30	4.41	5.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.35	0.37	0.42	0.38	8.30	ppb
Phosphorus	31-2	134.33	136.10	116.84	129.09	8.24	ppb
Potassium	39-2	404.45	397.42	399.85	400.57	0.89	ppb
Rhodium	103-1				94		%
Rhodium	103-2				99		%
Scandium	45-1				94		%
Scandium	45-2				100		%
Selenium	82-1	0.48	0.59	1.12	0.73	47.35	ppb
Selenium	77-2	0.40	0.10	0.38	0.29	58.33	ppb
Selenium	78-2	-0.34	-2.05	0.78	-0.54		ppb
Silicon	28-1	951.03	1098.48	1001.20	1016.91	7.37	ppb
Silver	107-1	0.13	0.15	0.14	0.14	8.62	ppb
Silver	109-1	0.14	0.15	0.15	0.15	2.91	ppb
Sodium	23-2	314987.99	314130.65	313053.44	314057.36	0.31	ppb
Strontium	86-1	27.82	31.37	28.33	29.17	6.58	ppb
Strontium	88-1	27.42	30.85	28.38	28.88	6.12	ppb
Sulfur	34-1	264085.88	301385.68	278348.09	281273.22	6.69	ppb
Terbium	159-1				106		%
Terbium	159-2				108		%
Thallium	203-1	0.01	0.01	0.01	0.01	39.88	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	5.70	ppb
Tin	118-1	0.44	0.57	0.46	0.49	14.08	ppb
Titanium	47-1	5.32	6.80	4.55	5.56	20.63	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-07DLX2 Instrumnet Name : P7
Client Sample ID : MC0AE9 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:39:41 DataFile Name : 082SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.43	0.49	0.44	0.45	6.36	ppb
Vanadium	51-2	15.98	15.90	15.65	15.84	1.08	ppb
Yttrium	89-1				98		%
Yttrium	89-2				102		%
Zinc	66-2	1.69	0.86	0.83	1.13	43.48	ppb
Zirconium	90-1	0.16	0.32	0.16	0.21	43.83	ppb
Zirconium	91-1	0.15	0.16	0.14	0.15	6.70	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-09DLX2 Instrumnet Name : P7
Client Sample ID : MC0AH0 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:42:55 DataFile Name : 083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2230.96	2248.86	2269.70	2249.84	0.86	ppb
Antimony	121-1	0.14	0.15	0.15	0.15	5.58	ppb
Arsenic	75-2	10.29	9.92	9.91	10.04	2.19	ppb
Barium	135-1	1.94	2.03	1.97	1.98	2.35	ppb
Barium	137-1	1.93	1.93	2.04	1.97	3.24	ppb
Beryllium	9-1	0.01	0.01	0.04	0.02	80.55	ppb
Bismuth	209-1				114		%
Bismuth	209-2				109		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.55	0.66	0.81	0.67	19.83	ppb
Cadmium	106-1	-3.49	-4.00	-3.04	-3.51		ppb
Cadmium	111-1	-0.11	-0.13	-0.11	-0.11		ppb
Calcium	43-1	3271.15	3318.36	3384.99	3324.83	1.72	ppb
Calcium	44-1	3142.26	3224.40	3245.80	3204.15	1.71	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	30.58	30.92	30.89	30.80	0.61	ppb
Cobalt	59-2	0.08	0.09	0.08	0.08	6.07	ppb
Copper	63-2	0.43	0.35	0.38	0.39	10.56	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				114		%
Holmium	165-2				110		%
Indium	115-1				105		%
Indium	115-2				102		%
Iron	56-2	142.33	141.52	149.68	144.51	3.11	ppb
Iron	57-2	167.84	162.91	157.50	162.75	3.18	ppb
Iron	54-2	160.97	170.40	168.94	166.77	3.04	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-09DLX2 Instrumnet Name : P7
Client Sample ID : MC0AH0 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:42:55 DataFile Name : 083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.30	0.32	0.33	0.32	4.17	ppb
Lead	207-1	0.30	0.30	0.28	0.29	3.35	ppb
Lead	208-1	0.30	0.31	0.30	0.30	2.53	ppb
Lithium	6-1				118		%
Magnesium	24-2	106.87	107.24	107.94	107.35	0.51	ppb
Manganese	55-2	6.09	6.05	5.85	6.00	2.17	ppb
Molybdenum	94-1	3.31	3.50	3.55	3.46	3.63	ppb
Molybdenum	95-1	3.74	3.86	3.84	3.81	1.76	ppb
Molybdenum	96-1	3.62	3.80	3.74	3.72	2.56	ppb
Molybdenum	97-1	3.86	3.77	3.88	3.84	1.44	ppb
Molybdenum	98-1	3.73	3.80	3.83	3.79	1.31	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.32	0.30	0.31	0.31	3.32	ppb
Phosphorus	31-2	121.53	128.51	120.24	123.43	3.61	ppb
Potassium	39-2	368.46	372.93	376.76	372.72	1.12	ppb
Rhodium	103-1				100		%
Rhodium	103-2				101		%
Scandium	45-1				99		%
Scandium	45-2				102		%
Selenium	82-1	0.48	0.30	0.17	0.32	48.48	ppb
Selenium	77-2	0.09	1.09	0.96	0.71	76.45	ppb
Selenium	78-2	-0.31	-1.10	-0.06	-0.49		ppb
Silicon	28-1	961.31	975.21	963.53	966.68	0.77	ppb
Silver	107-1	0.09	0.09	0.08	0.09	4.51	ppb
Silver	109-1	0.09	0.09	0.09	0.09	0.65	ppb
Sodium	23-2	301055.19	302421.19	305565.02	303013.80	0.76	ppb
Strontium	86-1	23.79	24.38	24.83	24.33	2.14	ppb
Strontium	88-1	23.90	24.29	24.62	24.27	1.47	ppb
Sulfur	34-1	241783.27	242683.84	243733.18	242733.43	0.40	ppb
Terbium	159-1				112		%
Terbium	159-2				111		%
Thallium	203-1	0.01	0.01	0.01	0.01	2.65	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	17.39	ppb
Tin	118-1	0.43	0.45	0.61	0.49	20.73	ppb
Titanium	47-1	3.81	4.09	4.00	3.97	3.58	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-09DLX2 Instrumnet Name : P7
Client Sample ID : MC0AH0 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:42:55 DataFile Name : 083SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.41	0.40	0.41	0.41	1.41	ppb
Vanadium	51-2	15.64	15.44	15.63	15.57	0.75	ppb
Yttrium	89-1				104		%
Yttrium	89-2				104		%
Zinc	66-2	0.84	1.00	0.98	0.94	9.36	ppb
Zirconium	90-1	0.14	0.16	0.19	0.17	13.96	ppb
Zirconium	91-1	0.32	0.15	0.17	0.21	45.02	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-13DLX2 Instrumnet Name : P7
Client Sample ID : MC0AF5 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:46:10 DataFile Name : 084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	3359.61	3407.92	3346.35	3371.29	0.96	ppb
Antimony	121-1	0.28	0.27	0.28	0.28	2.13	ppb
Arsenic	75-2	3.85	4.00	3.79	3.88	2.70	ppb
Barium	135-1	114.03	114.72	115.50	114.75	0.64	ppb
Barium	137-1	114.26	115.50	116.50	115.42	0.97	ppb
Beryllium	9-1	0.27	0.31	0.31	0.30	7.78	ppb
Bismuth	209-1				114		%
Bismuth	209-2				108		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.66	0.71	0.80	0.72	9.66	ppb
Cadmium	106-1	-2.94	-2.52	-3.17	-2.88		ppb
Cadmium	111-1	-0.08	-0.07	-0.10	-0.08		ppb
Calcium	43-1	103424.01	102899.18	106455.83	104259.68	1.84	ppb
Calcium	44-1	100963.16	102297.87	104022.00	102427.68	1.50	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	25.46	25.65	25.13	25.41	1.03	ppb
Cobalt	59-2	3.20	3.28	3.20	3.23	1.55	ppb
Copper	63-2	45.59	46.48	45.09	45.72	1.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				115		%
Holmium	165-2				111		%
Indium	115-1				104		%
Indium	115-2				102		%
Iron	56-2	8111.32	8221.53	7991.70	8108.19	1.42	ppb
Iron	57-2	8821.62	8815.91	8653.76	8763.76	1.09	ppb
Iron	54-2	8088.16	8113.62	8121.02	8107.60	0.21	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-13DLX2 Instrumnet Name : P7
Client Sample ID : MC0AF5 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:46:10 DataFile Name : 084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2.20	2.15	2.28	2.21	3.03	ppb
Lead	207-1	2.02	2.10	2.13	2.08	2.75	ppb
Lead	208-1	2.08	2.15	2.16	2.13	1.94	ppb
Lithium	6-1				115		%
Magnesium	24-2	13831.09	13802.53	13514.79	13716.14	1.28	ppb
Manganese	55-2	306.58	312.35	305.97	308.30	1.14	ppb
Molybdenum	94-1	6.41	6.62	6.55	6.53	1.62	ppb
Molybdenum	95-1	3.05	3.09	3.14	3.09	1.44	ppb
Molybdenum	96-1	3.49	3.44	3.50	3.48	0.84	ppb
Molybdenum	97-1	3.15	3.16	3.16	3.16	0.08	ppb
Molybdenum	98-1	3.05	3.08	3.11	3.08	0.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.41	8.55	8.30	8.42	1.47	ppb
Phosphorus	31-2	157.02	145.46	141.71	148.06	5.39	ppb
Potassium	39-2	6839.30	6897.12	6621.22	6785.88	2.14	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				101		%
Scandium	45-2				102		%
Selenium	82-1	0.98	1.29	0.87	1.05	20.46	ppb
Selenium	77-2	1.93	1.26	1.98	1.72	23.28	ppb
Selenium	78-2	0.55	-0.77	-0.77	-0.33		ppb
Silicon	28-1	1705.74	1691.38	1725.64	1707.59	1.01	ppb
Silver	107-1	0.02	0.02	0.02	0.02	7.70	ppb
Silver	109-1	0.03	0.03	0.02	0.02	15.80	ppb
Sodium	23-2	311999.14	315024.28	307339.47	311454.30	1.24	ppb
Strontium	86-1	665.95	682.67	696.84	681.82	2.27	ppb
Strontium	88-1	671.85	677.85	681.34	677.02	0.71	ppb
Sulfur	34-1	490286.05	489164.42	501821.50	493757.32	1.42	ppb
Terbium	159-1				113		%
Terbium	159-2				109		%
Thallium	203-1	0.08	0.08	0.09	0.08	7.03	ppb
Thallium	205-1	0.08	0.08	0.08	0.08	3.80	ppb
Tin	118-1	0.34	0.33	0.33	0.34	1.58	ppb
Titanium	47-1	148.30	150.13	155.74	151.39	2.56	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-13DLX2 Instrumnet Name : P7
Client Sample ID : MC0AF5 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:46:10 DataFile Name : 084SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.33	1.33	1.33	1.33	0.02	ppb
Vanadium	51-2	13.39	13.46	13.32	13.39	0.53	ppb
Yttrium	89-1				106		%
Yttrium	89-2				104		%
Zinc	66-2	26.80	26.95	26.23	26.66	1.43	ppb
Zirconium	90-1	2.20	2.21	2.26	2.22	1.36	ppb
Zirconium	91-1	2.16	2.22	2.20	2.20	1.39	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV005 Instrumnet Name : P7
Client Sample ID : CCV005 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:49:17 DataFile Name : 085CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48053.31	48404.92	47474.14	47977.45	0.98	ppb
Antimony	121-1	465.88	477.83	486.21	476.64	2.14	ppb
Arsenic	75-2	469.40	463.00	464.94	465.78	0.70	ppb
Barium	135-1	2361.91	2438.26	2458.86	2419.68	2.11	ppb
Barium	137-1	2342.52	2418.58	2430.25	2397.11	1.99	ppb
Beryllium	9-1	451.44	478.98	455.93	462.12	3.20	ppb
Bismuth	209-1				115		%
Bismuth	209-2				105		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	458.29	471.90	478.05	469.41	2.15	ppb
Cadmium	106-1	467.19	476.10	473.15	472.15	0.96	ppb
Cadmium	111-1	450.09	465.98	461.82	459.30	1.79	ppb
Calcium	43-1	246478.99	251678.18	247176.86	248444.68	1.14	ppb
Calcium	44-1	244380.86	245225.24	242362.34	243989.48	0.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	479.02	494.22	482.71	485.32	1.63	ppb
Cobalt	59-2	479.89	483.17	478.77	480.61	0.48	ppb
Copper	63-2	4639.65	4592.07	4600.43	4610.72	0.55	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				117		%
Holmium	165-2				113		%
Indium	115-1				106		%
Indium	115-2				102		%
Iron	56-2	127446.69	127279.66	125152.68	126626.34	1.01	ppb
Iron	57-2	125780.06	127295.23	125852.79	126309.36	0.68	ppb
Iron	54-2	126475.15	127717.16	126438.71	126877.00	0.57	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV005 Instrumnet Name : P7
Client Sample ID : CCV005 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:49:17 DataFile Name : 085CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2378.29	2423.36	2428.66	2410.10	1.15	ppb
Lead	207-1	2366.52	2452.84	2438.13	2419.16	1.91	ppb
Lead	208-1	2387.82	2430.99	2433.67	2417.49	1.06	ppb
Lithium	6-1				112		%
Magnesium	24-2	264592.42	261297.17	260723.26	262204.28	0.80	ppb
Manganese	55-2	4767.30	4847.20	4734.73	4783.07	1.21	ppb
Molybdenum	94-1	4817.49	4870.84	4871.48	4853.27	0.64	ppb
Molybdenum	95-1	4803.13	4817.98	4830.49	4817.20	0.28	ppb
Molybdenum	96-1	4803.79	4858.83	4845.90	4836.17	0.60	ppb
Molybdenum	97-1	4761.66	4898.80	4800.44	4820.30	1.47	ppb
Molybdenum	98-1	4789.95	4887.72	4829.91	4835.86	1.02	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	458.48	452.30	451.17	453.99	0.87	ppb
Phosphorus	31-2	9505.72	9478.15	9377.31	9453.73	0.72	ppb
Potassium	39-2	123047.46	122110.09	122195.54	122451.03	0.42	ppb
Rhodium	103-1				100		%
Rhodium	103-2				99		%
Scandium	45-1				103		%
Scandium	45-2				104		%
Selenium	82-1	459.60	459.62	461.10	460.10	0.19	ppb
Selenium	77-2	443.38	445.15	449.72	446.09	0.73	ppb
Selenium	78-2	455.78	455.62	445.05	452.15	1.36	ppb
Silicon	28-1	384.66	385.36	374.98	381.67	1.52	ppb
Silver	107-1	458.70	474.79	478.85	470.78	2.26	ppb
Silver	109-1	458.77	466.09	473.85	466.23	1.62	ppb
Sodium	23-2	247828.39	244756.56	245279.98	245954.98	0.67	ppb
Strontium	86-1	485.46	485.73	481.26	484.15	0.52	ppb
Strontium	88-1	472.79	486.18	482.90	480.62	1.45	ppb
Sulfur	34-1	9001.85	9003.82	8954.09	8986.59	0.31	ppb
Terbium	159-1				115		%
Terbium	159-2				111		%
Thallium	203-1	476.19	485.41	483.01	481.54	0.99	ppb
Thallium	205-1	479.62	488.12	492.98	486.91	1.39	ppb
Tin	118-1	469.75	484.72	489.32	481.26	2.13	ppb
Titanium	47-1	4686.25	4737.49	4752.93	4725.56	0.74	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV005 Instrumnet Name : P7
Client Sample ID : CCV005 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:49:17 DataFile Name : 085CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	473.32	491.61	490.78	485.24	2.13	ppb
Vanadium	51-2	490.27	491.14	487.18	489.53	0.43	ppb
Yttrium	89-1				107		%
Yttrium	89-2				107		%
Zinc	66-2	4544.13	4488.13	4510.65	4514.30	0.62	ppb
Zirconium	90-1	472.42	481.53	487.62	480.52	1.59	ppb
Zirconium	91-1	480.42	488.41	488.43	485.76	0.95	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB005 Instrumnet Name : P7
Client Sample ID : CCB005 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:52:00 DataFile Name : 086CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.81	0.66	0.64	0.71	12.79	ppb
Antimony	121-1	0.22	0.18	0.15	0.18	19.23	ppb
Arsenic	75-2	0.00	0.02	0.00	0.01	170.92	ppb
Barium	135-1	0.46	0.22	0.11	0.26	66.71	ppb
Barium	137-1	0.43	0.23	0.10	0.26	65.21	ppb
Beryllium	9-1	0.15	0.10	0.09	0.11	27.18	ppb
Bismuth	209-1				122		%
Bismuth	209-2				117		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.13	-0.01	0.00	0.04	196.46	ppb
Cadmium	106-1	-2.33	-2.30	-2.98	-2.53		ppb
Cadmium	111-1	0.07	0.02	-0.03	0.02	246.65	ppb
Calcium	43-1	40.61	21.06	6.70	22.79	74.69	ppb
Calcium	44-1	41.86	19.99	7.65	23.17	74.77	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.23	0.22	0.21	0.22	5.65	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	301.36	ppb
Copper	63-2	0.00	-0.03	-0.08	-0.04		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				116		%
Holmium	165-2				113		%
Indium	115-1				111		%
Indium	115-2				109		%
Iron	56-2	4.09	3.36	2.93	3.46	17.02	ppb
Iron	57-2	1.37	0.03	-0.49	0.30	318.52	ppb
Iron	54-2	3.30	2.33	2.23	2.62	22.54	ppb
Krypton	83-1						cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB005 Instrumnet Name : P7
Client Sample ID : CCB005 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:52:00 DataFile Name : 086CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.47	0.29	0.18	0.31	46.41	ppb
Lead	207-1	0.44	0.26	0.15	0.29	51.25	ppb
Lead	208-1	0.46	0.28	0.17	0.30	49.48	ppb
Lithium	6-1				119		%
Magnesium	24-2	4.56	3.41	2.70	3.56	26.37	ppb
Manganese	55-2	0.19	0.20	0.18	0.19	4.35	ppb
Molybdenum	94-1	1.12	0.72	0.41	0.75	47.20	ppb
Molybdenum	95-1	1.09	0.67	0.41	0.72	47.64	ppb
Molybdenum	96-1	1.07	0.67	0.41	0.72	46.75	ppb
Molybdenum	97-1	1.04	0.68	0.42	0.71	44.13	ppb
Molybdenum	98-1	1.15	0.69	0.38	0.74	51.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.13	0.13	0.14	0.13	5.20	ppb
Phosphorus	31-2	-29.07	-27.37	-28.43	-28.29		ppb
Potassium	39-2	-2.80	-2.97	-4.69	-3.48		ppb
Rhodium	103-1				110		%
Rhodium	103-2				110		%
Scandium	45-1				105		%
Scandium	45-2				107		%
Selenium	82-1	-0.27	-0.44	-0.21	-0.31		ppb
Selenium	77-2	-0.20	-0.20	-0.20	-0.20		ppb
Selenium	78-2	-1.42	-0.64	-1.07	-1.05		ppb
Silicon	28-1	-28.54	-28.40	-28.54	-28.49		ppb
Silver	107-1	0.13	0.07	0.05	0.08	49.91	ppb
Silver	109-1	0.12	0.08	0.04	0.08	50.52	ppb
Sodium	23-2	60.42	57.69	55.26	57.79	4.47	ppb
Strontium	86-1	0.09	0.03	0.00	0.04	104.74	ppb
Strontium	88-1	0.09	0.05	0.03	0.06	57.02	ppb
Sulfur	34-1	-400.50	-403.00	-395.13	-399.54		ppb
Terbium	159-1				116		%
Terbium	159-2				112		%
Thallium	203-1	0.10	0.06	0.04	0.07	45.84	ppb
Thallium	205-1	0.10	0.06	0.03	0.06	51.76	ppb
Tin	118-1	0.08	0.04	0.02	0.05	62.20	ppb
Titanium	47-1	0.91	0.49	0.27	0.56	58.06	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB005 Instrumnet Name : P7
Client Sample ID : CCB005 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:52:00 DataFile Name : 086CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.08	0.05	0.02	0.05	60.66	ppb
Vanadium	51-2	0.01	0.00	0.01	0.01	58.57	ppb
Yttrium	89-1				111		%
Yttrium	89-2				108		%
Zinc	66-2	0.21	0.19	0.14	0.18	20.32	ppb
Zirconium	90-1	0.11	0.06	0.05	0.08	43.24	ppb
Zirconium	91-1	0.11	0.07	0.05	0.07	45.06	ppb

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P7
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:27:22 DataFile Name : 005CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	250	170	200	207	19.56	cps
Antimony	121-1	23	13	20	19	26.96	cps
Arsenic	75-2	13	10	27	17	52.93	cps
Barium	135-1	73	37	50	53	34.79	cps
Barium	137-1	63	103	117	94	29.39	cps
Beryllium	9-1	53	43	50	49	10.42	cps
Bismuth	209-1	7478605	7490946	7442329	7470627	0.34	cps
Bismuth	209-2	6797095	6677280	6715117	6729831	0.91	cps
Bromine	81-1	14988	15078	14991	15019	0.34	cps
Bromine	81-2	117	160	177	151	20.50	cps
Cadmium	108-1	27	20	17	21	24.12	cps
Cadmium	106-1	6932	6642	6371	6648	4.21	cps
Cadmium	111-1	1394	1348	1283	1342	4.18	cps
Calcium	43-1	580	527	503	537	7.32	cps
Calcium	44-1	12829	12759	12425	12671	1.70	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1987	1843	1840	1890	4.43	cps
Cobalt	59-2	187	150	110	149	25.76	cps
Copper	63-2	2567	2574	2597	2579	0.61	cps
Dysprosium	156-1	13	7	17	12	41.65	cps
Dysprosium	156-2	7	17	3	9	78.08	cps
Erbium	164-1	43	47	70	53	27.24	cps
Erbium	164-2	60	43	30	44	33.82	cps
Gadolinium	160-1	60	70	67	66	7.77	cps
Gadolinium	160-2	607	553	587	582	4.63	cps
Holmium	165-1	12898101	12752841	12627865	12759603	1.06	cps
Holmium	165-2	10158329	9873929	10125827	10052695	1.55	cps
Indium	115-1	10653322	10530254	10623606	10602394	0.61	cps
Indium	115-2	4830797	4807141	4768819	4802252	0.65	cps
Iron	56-2	25078	25098	24730	24969	0.83	cps
Iron	57-2	1810	1753	1890	1818	3.78	cps
Iron	54-2	3124	3177	3207	3169	1.33	cps
Krypton	83-1	270	180	190	213	23.12	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P7
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:27:22 DataFile Name : 005CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	580	467	493	513	11.54	cps
Lead	207-1	433	450	427	437	2.75	cps
Lead	208-1	2110	2013	1997	2040	3.00	cps
Lithium	6-1	1391802	1336979	1357464	1362082	2.03	cps
Magnesium	24-2	937	893	867	899	3.93	cps
Manganese	55-2	390	370	293	351	14.53	cps
Molybdenum	94-1	250	413	263	309	29.36	cps
Molybdenum	95-1	207	190	213	203	5.91	cps
Molybdenum	96-1	290	267	243	267	8.75	cps
Molybdenum	97-1	137	133	140	137	2.44	cps
Molybdenum	98-1	283	410	273	322	23.64	cps
Neodymium	150-1	3	7	7	6	34.70	cps
Neodymium	150-2	7	0	7	4	86.60	cps
Nickel	60-2	540	633	657	610	10.12	cps
Phosphorus	31-2	437	473	457	456	4.03	cps
Potassium	39-2	69712	70010	69993	69905	0.24	cps
Rhodium	103-1	9934645	10053583	9919153	9969127	0.74	cps
Rhodium	103-2	6563251	6450121	6380292	6464555	1.43	cps
Scandium	45-1	6121609	5988112	5993690	6034470	1.25	cps
Scandium	45-2	627520	632472	629234	629742	0.40	cps
Selenium	82-1	420	441	384	415	6.94	cps
Selenium	77-2	3	10	0	4	114.60	cps
Selenium	78-2	580	637	677	631	7.70	cps
Silicon	28-1	1386084	1403008	1424424	1404505	1.37	cps
Silver	107-1	80	97	93	90	9.80	cps
Silver	109-1	23	43	23	30	38.49	cps
Sodium	23-2	21515	21809	21839	21721	0.82	cps
Strontium	86-1	363	360	387	370	3.93	cps
Strontium	88-1	223	227	263	238	9.33	cps
Sulfur	34-1	177683	180151	180951	179595	0.95	cps
Terbium	159-1	13114420	13207460	13259491	13193790	0.56	cps
Terbium	159-2	10147767	10130661	10077559	10118662	0.36	cps
Thallium	203-1	133	143	130	136	5.12	cps
Thallium	205-1	380	297	303	327	14.18	cps
Tin	118-1	803	883	880	856	5.29	cps
Titanium	47-1	80	87	100	89	11.46	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P7
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:27:22 DataFile Name : 005CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17	30	27	24	28.38	cps
Vanadium	51-2	13	17	20	17	20.01	cps
Yttrium	89-1	16560810	16797744	16467547	16608700	1.02	cps
Yttrium	89-2	5424295	5398880	5391789	5404988	0.32	cps
Zinc	66-2	480	467	440	462	4.41	cps
Zirconium	90-1	610	607	550	589	5.73	cps
Zirconium	91-1	93	97	140	110	23.67	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S02 Instrumnet Name : P7
Client Sample ID : S02 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:33:54 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5875	6118	6308	6100	3.56	cps
Antimony	121-1	21369	21680	21509	21519	0.72	cps
Arsenic	75-2	743	800	643	729	10.88	cps
Barium	135-1	27647	27500	27239	27462	0.75	cps
Barium	137-1	46783	46850	46907	46847	0.13	cps
Beryllium	9-1	1313	1387	1463	1388	5.41	cps
Bismuth	209-1	7580084	7634029	7462746	7558953	1.16	cps
Bismuth	209-2	6812975	6739092	6729831	6760632	0.67	cps
Bromine	81-1	14644	15105	14998	14915	1.62	cps
Bromine	81-2	100	93	117	103	11.63	cps
Cadmium	108-1	227	190	233	217	10.77	cps
Cadmium	106-1	7062	6992	7105	7053	0.81	cps
Cadmium	111-1	4051	4239	4115	4135	2.32	cps
Calcium	43-1	16032	15692	16369	16031	2.11	cps
Calcium	44-1	266672	264707	264257	265212	0.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	11064	11108	10987	11053	0.55	cps
Cobalt	59-2	8102	8102	7979	8061	0.88	cps
Copper	63-2	12475	12492	12572	12513	0.41	cps
Dysprosium	156-1	17	10	10	12	31.50	cps
Dysprosium	156-2	10	10	3	8	49.52	cps
Erbium	164-1	57	43	70	57	23.53	cps
Erbium	164-2	40	53	50	48	14.52	cps
Gadolinium	160-1	63	40	73	59	29.04	cps
Gadolinium	160-2	543	640	543	576	9.70	cps
Holmium	165-1	12847451	12891086	12905879	12881472	0.24	cps
Holmium	165-2	10036002	9933958	10107241	10025734	0.87	cps
Indium	115-1	10660597	10660831	10632556	10651328	0.15	cps
Indium	115-2	4876546	4844923	4793681	4838383	0.86	cps
Iron	56-2	269857	266896	267246	268000	0.60	cps
Iron	57-2	8509	7925	8489	8308	3.99	cps
Iron	54-2	16523	16449	16356	16442	0.51	cps
Krypton	83-1	200	160	160	173	13.32	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S02 Instrumnet Name : P7
Client Sample ID : S02 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:33:54 DataFile Name : 007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8273	7786	8386	8148	3.91	cps
Lead	207-1	7082	7232	7415	7243	2.31	cps
Lead	208-1	32409	31998	32672	32360	1.05	cps
Lithium	6-1	1419862	1380156	1379942	1393320	1.65	cps
Magnesium	24-2	238749	239198	237554	238500	0.36	cps
Manganese	55-2	4561	4374	4344	4426	2.65	cps
Molybdenum	94-1	22060	22961	22190	22404	2.17	cps
Molybdenum	95-1	27987	27700	27175	27621	1.49	cps
Molybdenum	96-1	30488	30465	30889	30614	0.78	cps
Molybdenum	97-1	17093	17107	18041	17414	3.12	cps
Molybdenum	98-1	44116	44628	43652	44132	1.11	cps
Neodymium	150-1	17	10	10	12	31.50	cps
Neodymium	150-2	3	10	7	7	50.03	cps
Nickel	60-2	2277	2264	2180	2240	2.34	cps
Phosphorus	31-2	937	823	920	893	6.85	cps
Potassium	39-2	415963	414182	412203	414116	0.45	cps
Rhodium	103-1	10054390	10093831	9980666	10042963	0.57	cps
Rhodium	103-2	6490527	6546408	6468824	6501920	0.62	cps
Scandium	45-1	6101794	5960098	6061713	6041202	1.21	cps
Scandium	45-2	635503	633320	630071	632965	0.43	cps
Selenium	82-1	1224	1236	1268	1243	1.86	cps
Selenium	77-2	130	70	97	99	30.40	cps
Selenium	78-2	980	997	1017	998	1.84	cps
Silicon	28-1	1424026	1406248	1451275	1427183	1.59	cps
Silver	107-1	13763	13506	13593	13621	0.96	cps
Silver	109-1	13710	12846	12946	13167	3.59	cps
Sodium	23-2	392926	387142	391740	390603	0.78	cps
Strontium	86-1	3777	3724	4047	3849	4.50	cps
Strontium	88-1	31049	31624	31474	31382	0.95	cps
Sulfur	34-1	182542	183618	183321	183160	0.30	cps
Terbium	159-1	13365900	13338073	13131395	13278456	0.96	cps
Terbium	159-2	10112485	10089708	10065242	10089145	0.23	cps
Thallium	203-1	9874	9644	9857	9791	1.31	cps
Thallium	205-1	22649	22242	22215	22368	1.09	cps
Tin	118-1	45946	45508	46652	46036	1.25	cps
Titanium	47-1	7425	7135	7255	7272	2.01	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S02 Instrumnet Name : P7
Client Sample ID : S02 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:33:54 DataFile Name : 007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	29028	28975	28517	28840	0.97	cps
Vanadium	51-2	22460	22697	22413	22524	0.68	cps
Yttrium	89-1	16616645	16659829	16555969	16610814	0.31	cps
Yttrium	89-2	5484091	5536094	5367580	5462588	1.58	cps
Zinc	66-2	5428	5368	5474	5423	0.99	cps
Zirconium	90-1	18986	19340	18996	19107	1.05	cps
Zirconium	91-1	4101	4291	4151	4181	2.36	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S03 Instrumnet Name : P7
Client Sample ID : S03 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:37:10 DataFile Name : 008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	272658	274146	270610	272471	0.65	cps
Antimony	121-1	515786	527217	527413	523472	1.27	cps
Arsenic	75-2	32121	32315	32372	32270	0.41	cps
Barium	135-1	634009	642444	636672	637708	0.68	cps
Barium	137-1	1085275	1110765	1095164	1097068	1.17	cps
Beryllium	9-1	62277	64778	64148	63735	2.04	cps
Bismuth	209-1	7789765	7737194	7558877	7695278	1.57	cps
Bismuth	209-2	6714263	6670329	6644085	6676226	0.53	cps
Bromine	81-1	14544	14724	14347	14538	1.30	cps
Bromine	81-2	100	110	150	120	22.05	cps
Cadmium	108-1	9963	10327	10130	10140	1.79	cps
Cadmium	106-1	21656	20969	20898	21174	1.98	cps
Cadmium	111-1	130764	129781	130389	130311	0.38	cps
Calcium	43-1	141142	141321	140746	141070	0.21	cps
Calcium	44-1	2247150	2272343	2227577	2249023	1.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	244287	241343	241176	242269	0.72	cps
Cobalt	59-2	362978	363993	360814	362595	0.45	cps
Copper	63-2	2367643	2382732	2410436	2386937	0.91	cps
Dysprosium	156-1	3	43	17	21	96.48	cps
Dysprosium	156-2	63	47	50	53	16.53	cps
Erbium	164-1	100	70	53	74	31.77	cps
Erbium	164-2	43	57	63	54	18.71	cps
Gadolinium	160-1	67	63	60	63	5.27	cps
Gadolinium	160-2	613	600	477	563	13.38	cps
Holmium	165-1	13132805	12781227	12673978	12862670	1.87	cps
Holmium	165-2	10073842	9936855	9950276	9986991	0.76	cps
Indium	115-1	10836436	10553332	10599776	10663181	1.42	cps
Indium	115-2	4822144	4764623	4747620	4778129	0.82	cps
Iron	56-2	10815914	10928358	10940855	10895042	0.63	cps
Iron	57-2	284986	278766	280596	281450	1.14	cps
Iron	54-2	619946	617859	624199	620668	0.52	cps
Krypton	83-1	210	183	227	207	10.58	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S03 Instrumnet Name : P7
Client Sample ID : S03 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:37:10 DataFile Name : 008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1819890	1862906	1820299	1834365	1.35	cps
Lead	207-1	1579520	1606046	1604684	1596750	0.94	cps
Lead	208-1	7440429	7562737	7434041	7479069	0.97	cps
Lithium	6-1	1401327	1417388	1381763	1400159	1.27	cps
Magnesium	24-2	2255049	2273644	2259499	2262731	0.43	cps
Manganese	55-2	1933743	1958936	1935825	1942834	0.72	cps
Molybdenum	94-1	1819694	1861672	1848486	1843284	1.16	cps
Molybdenum	95-1	2624285	2642150	2612812	2626415	0.56	cps
Molybdenum	96-1	2857969	2888249	2857789	2868002	0.61	cps
Molybdenum	97-1	1626218	1648733	1608372	1627774	1.24	cps
Molybdenum	98-1	4143126	4254007	4235124	4210752	1.41	cps
Neodymium	150-1	60	50	57	56	9.17	cps
Neodymium	150-2	17	17	20	18	10.81	cps
Nickel	60-2	92704	92107	93318	92710	0.65	cps
Phosphorus	31-2	14117	14243	14263	14208	0.56	cps
Potassium	39-2	1641829	1590864	1593612	1608768	1.78	cps
Rhodium	103-1	10197066	10064566	9912539	10058057	1.42	cps
Rhodium	103-2	6534933	6290093	6362028	6395685	1.97	cps
Scandium	45-1	6157093	5948340	5970847	6025427	1.90	cps
Scandium	45-2	626247	626154	622960	625120	0.30	cps
Selenium	82-1	8481	8666	8528	8558	1.12	cps
Selenium	77-2	1040	1060	1040	1047	1.10	cps
Selenium	78-2	4561	4324	4247	4377	3.73	cps
Silicon	28-1	2305356	2304343	2285171	2298290	0.49	cps
Silver	107-1	671959	686339	689289	682529	1.36	cps
Silver	109-1	637704	651429	650057	646397	1.17	cps
Sodium	23-2	3534880	3483232	3492683	3503598	0.78	cps
Strontium	86-1	170771	174321	174588	173227	1.23	cps
Strontium	88-1	1521752	1518866	1537889	1526169	0.67	cps
Sulfur	34-1	218236	217887	214696	216940	0.90	cps
Terbium	159-1	13496288	13520904	13418833	13478675	0.40	cps
Terbium	159-2	10105481	9971075	9989890	10022148	0.73	cps
Thallium	203-1	455239	462579	463185	460334	0.96	cps
Thallium	205-1	1080423	1096736	1083086	1086749	0.81	cps
Tin	118-1	429324	436922	432463	432903	0.88	cps
Titanium	47-1	652564	655924	648063	652184	0.60	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S03 Instrumnet Name : P7
Client Sample ID : S03 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:37:10 DataFile Name : 008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1366071	1395107	1395928	1385702	1.23	cps
Vanadium	51-2	214606	211613	210904	212374	0.93	cps
Yttrium	89-1	17016989	16650031	16454766	16707262	1.71	cps
Yttrium	89-2	5399858	5372780	5330982	5367874	0.65	cps
Zinc	66-2	442287	439640	440032	440653	0.32	cps
Zirconium	90-1	868487	880719	878844	876017	0.75	cps
Zirconium	91-1	193998	196355	195237	195197	0.60	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S04 Instrumnet Name : P7
Client Sample ID : S04 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:40:11 DataFile Name : 009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	668350	662140	656846	662445	0.87	cps
Antimony	121-1	1290485	1324505	1309561	1308183	1.30	cps
Arsenic	75-2	78449	78141	77300	77963	0.76	cps
Barium	135-1	1638117	1647732	1646130	1643993	0.31	cps
Barium	137-1	2862176	2831407	2829177	2840920	0.65	cps
Beryllium	9-1	158775	162022	163187	161328	1.42	cps
Bismuth	209-1	7827372	7615860	7800983	7748072	1.49	cps
Bismuth	209-2	6751558	6733931	6797449	6760979	0.48	cps
Bromine	81-1	13556	13486	13406	13483	0.56	cps
Bromine	81-2	143	127	107	126	14.62	cps
Cadmium	108-1	24608	25492	25065	25055	1.77	cps
Cadmium	106-1	41747	42017	42465	42076	0.86	cps
Cadmium	111-1	318913	323863	320050	320942	0.81	cps
Calcium	43-1	349954	352349	349507	350604	0.44	cps
Calcium	44-1	5543291	5577737	5529216	5550081	0.45	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	582001	581031	572545	578526	0.90	cps
Cobalt	59-2	882030	872993	860738	871920	1.23	cps
Copper	63-2	5762152	5789403	5717929	5756494	0.63	cps
Dysprosium	156-1	40	43	23	36	30.14	cps
Dysprosium	156-2	90	123	133	116	19.64	cps
Erbium	164-1	83	80	87	83	4.00	cps
Erbium	164-2	47	67	73	62	22.30	cps
Gadolinium	160-1	97	53	73	74	29.14	cps
Gadolinium	160-2	543	537	600	560	6.21	cps
Holmium	165-1	13172856	13085949	13171618	13143474	0.38	cps
Holmium	165-2	10177183	10113017	10046658	10112286	0.65	cps
Indium	115-1	10612555	10447810	10453764	10504710	0.89	cps
Indium	115-2	4601597	4597169	4551942	4583570	0.60	cps
Iron	56-2	26480255	26421507	26304957	26402240	0.34	cps
Iron	57-2	680217	677544	668109	675290	0.94	cps
Iron	54-2	1471664	1445521	1446048	1454411	1.03	cps
Krypton	83-1	150	180	183	171	10.73	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S04 Instrumnet Name : P7
Client Sample ID : S04 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:40:11 DataFile Name : 009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4751704	4737186	4811990	4766960	0.83	cps
Lead	207-1	4266608	4301029	4248559	4272065	0.62	cps
Lead	208-1	19152068	19248153	19330605	19243608	0.46	cps
Lithium	6-1	1439040	1459450	1470454	1456315	1.09	cps
Magnesium	24-2	5517785	5489703	5440852	5482780	0.71	cps
Manganese	55-2	4763387	4725809	4703073	4730757	0.64	cps
Molybdenum	94-1	4549482	4586375	4528849	4554902	0.64	cps
Molybdenum	95-1	6489801	6511173	6420356	6473777	0.73	cps
Molybdenum	96-1	7070568	7108562	7035102	7071411	0.52	cps
Molybdenum	97-1	4021958	4095057	3994467	4037160	1.29	cps
Molybdenum	98-1	10465615	10509247	10367668	10447510	0.69	cps
Neodymium	150-1	103	133	113	117	13.10	cps
Neodymium	150-2	40	47	43	43	7.70	cps
Nickel	60-2	221376	219395	215672	218814	1.32	cps
Phosphorus	31-2	33888	34586	33243	33905	1.98	cps
Potassium	39-2	3752449	3757281	3732676	3747469	0.35	cps
Rhodium	103-1	10003896	9642539	9677857	9774764	2.04	cps
Rhodium	103-2	6270249	6054516	6110117	6144961	1.82	cps
Scandium	45-1	6008348	5947219	5838583	5931383	1.45	cps
Scandium	45-2	610443	601825	600846	604371	0.87	cps
Selenium	82-1	20778	20778	20516	20691	0.73	cps
Selenium	77-2	2770	2834	2807	2804	1.13	cps
Selenium	78-2	9857	9687	9650	9731	1.13	cps
Silicon	28-1	3606853	3580282	3499237	3562124	1.57	cps
Silver	107-1	1686641	1710512	1670739	1689297	1.19	cps
Silver	109-1	1585961	1606516	1595454	1595977	0.64	cps
Sodium	23-2	8729735	8686304	8626548	8680862	0.60	cps
Strontium	86-1	421527	431232	426638	426466	1.14	cps
Strontium	88-1	3855365	3790110	3823291	3822922	0.85	cps
Sulfur	34-1	265773	266371	263444	265196	0.58	cps
Terbium	159-1	13543512	13234799	13383945	13387419	1.15	cps
Terbium	159-2	10085408	10022975	10021435	10043273	0.36	cps
Thallium	203-1	1171439	1178029	1186493	1178653	0.64	cps
Thallium	205-1	2952413	2929719	2917879	2933337	0.60	cps
Tin	118-1	1068398	1082940	1077891	1076410	0.69	cps
Titanium	47-1	1601977	1683663	1620626	1635422	2.62	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S04 Instrumnet Name : P7
Client Sample ID : S04 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:40:11 DataFile Name : 009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3754258	3858020	3857896	3823391	1.57	cps
Vanadium	51-2	515689	513258	511934	513627	0.37	cps
Yttrium	89-1	16640315	16299734	16224386	16388145	1.35	cps
Yttrium	89-2	5216037	5169169	5153323	5179509	0.63	cps
Zinc	66-2	1068488	1064184	1055310	1062660	0.63	cps
Zirconium	90-1	2183952	2199815	2198818	2194195	0.40	cps
Zirconium	91-1	481598	489081	485850	485510	0.77	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S05 Instrumnet Name : P7
Client Sample ID : S05 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:43:04 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1250605	1242037	1277392	1256678	1.47	cps
Antimony	121-1	2592701	2577910	2575123	2581912	0.37	cps
Arsenic	75-2	144223	142490	143401	143371	0.60	cps
Barium	135-1	3193568	3223196	3204071	3206945	0.47	cps
Barium	137-1	5514971	5510604	5453118	5492898	0.63	cps
Beryllium	9-1	322338	320960	318945	320748	0.53	cps
Bismuth	209-1	7874241	7766934	7716715	7785963	1.03	cps
Bismuth	209-2	6647956	6554614	6567164	6589912	0.77	cps
Bromine	81-1	12228	11808	11341	11793	3.76	cps
Bromine	81-2	107	100	90	99	8.48	cps
Cadmium	108-1	47317	48096	47253	47555	0.99	cps
Cadmium	106-1	74164	72657	71310	72711	1.96	cps
Cadmium	111-1	612051	610436	602868	608451	0.81	cps
Calcium	43-1	661092	651398	638238	650243	1.76	cps
Calcium	44-1	10382222	10324934	10112656	10273271	1.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1060537	1060538	1052910	1057995	0.42	cps
Cobalt	59-2	1597324	1597156	1604204	1599561	0.25	cps
Copper	63-2	10530125	10477034	10332066	10446408	0.98	cps
Dysprosium	156-1	53	50	83	62	29.50	cps
Dysprosium	156-2	207	203	217	209	3.32	cps
Erbium	164-1	83	63	90	79	17.59	cps
Erbium	164-2	53	83	43	60	34.70	cps
Gadolinium	160-1	53	107	93	84	32.87	cps
Gadolinium	160-2	527	573	503	534	6.67	cps
Holmium	165-1	12883767	12782275	12709226	12791756	0.69	cps
Holmium	165-2	9934835	9830808	9758979	9841541	0.90	cps
Indium	115-1	10237092	10011812	9952166	10067023	1.49	cps
Indium	115-2	4327612	4278918	4292724	4299751	0.58	cps
Iron	56-2	49006236	48734453	48581898	48774195	0.44	cps
Iron	57-2	1253181	1250856	1240903	1248313	0.52	cps
Iron	54-2	2726002	2629111	2699516	2684876	1.87	cps
Krypton	83-1	177	153	173	168	7.52	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S05 Instrumnet Name : P7
Client Sample ID : S05 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:43:04 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9558639	9695191	9468754	9574195	1.19	cps
Lead	207-1	8614797	8642334	8548874	8602002	0.56	cps
Lead	208-1	38911638	39149924	38471447	38844336	0.89	cps
Lithium	6-1	1479068	1535316	1483150	1499178	2.09	cps
Magnesium	24-2	10340052	10204196	10263730	10269326	0.66	cps
Manganese	55-2	8779885	8664798	8775861	8740182	0.75	cps
Molybdenum	94-1	8628164	8558493	8515153	8567270	0.67	cps
Molybdenum	95-1	12349586	12147154	12076365	12191035	1.16	cps
Molybdenum	96-1	13602281	13416235	13350144	13456220	0.97	cps
Molybdenum	97-1	7699788	7799064	7556183	7685012	1.59	cps
Molybdenum	98-1	19765270	19924844	19405563	19698559	1.35	cps
Neodymium	150-1	290	187	173	217	29.47	cps
Neodymium	150-2	57	107	67	77	34.51	cps
Nickel	60-2	397959	395509	397826	397098	0.35	cps
Phosphorus	31-2	60760	60040	61623	60808	1.30	cps
Potassium	39-2	6875520	6845233	6828753	6849835	0.35	cps
Rhodium	103-1	9278410	9175684	9013235	9155776	1.46	cps
Rhodium	103-2	5744952	5753970	5750233	5749719	0.08	cps
Scandium	45-1	5591011	5533596	5359781	5494796	2.19	cps
Scandium	45-2	565177	557689	558539	560468	0.73	cps
Selenium	82-1	38261	38383	37812	38152	0.79	cps
Selenium	77-2	5124	4981	5231	5112	2.45	cps
Selenium	78-2	17183	17437	17177	17266	0.86	cps
Silicon	28-1	5414312	5372663	5234396	5340457	1.76	cps
Silver	107-1	3269203	3207571	3209801	3228858	1.08	cps
Silver	109-1	3107874	3086234	3045319	3079809	1.03	cps
Sodium	23-2	16334696	16216614	16177371	16242894	0.50	cps
Strontium	86-1	816263	809823	808232	811439	0.52	cps
Strontium	88-1	7339113	7274411	7185823	7266449	1.06	cps
Sulfur	34-1	329006	324683	316747	323478	1.92	cps
Terbium	159-1	13196119	13311823	13211779	13239907	0.47	cps
Terbium	159-2	9831186	9886673	9765673	9827844	0.62	cps
Thallium	203-1	2464567	2529165	2471833	2488522	1.42	cps
Thallium	205-1	5844643	5913815	5842338	5866932	0.69	cps
Tin	118-1	2091833	2133110	2096121	2107021	1.08	cps
Titanium	47-1	3052850	3001491	2879490	2977944	2.99	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S05 Instrumnet Name : P7
Client Sample ID : S05 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:43:04 DataFile Name : 010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7819554	7717129	7838591	7791758	0.84	cps
Vanadium	51-2	943137	938590	939714	940480	0.25	cps
Yttrium	89-1	15752557	15467272	15380203	15533344	1.25	cps
Yttrium	89-2	4846927	4917286	4845753	4869989	0.84	cps
Zinc	66-2	2002294	1997665	1957709	1985890	1.23	cps
Zirconium	90-1	4193390	4161875	4133879	4163048	0.72	cps
Zirconium	91-1	922365	916494	899876	912912	1.28	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S06 Instrumnet Name : P7
Client Sample ID : S06 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:45:50 DataFile Name : 011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2478939	2528195	2512126	2506420	1.00	cps
Antimony	121-1	5150556	5167278	5172415	5163416	0.22	cps
Arsenic	75-2	291494	289803	289568	290288	0.36	cps
Barium	135-1	6369633	6359610	6395907	6375050	0.29	cps
Barium	137-1	11008643	10895624	11063752	10989339	0.78	cps
Beryllium	9-1	636097	639661	639882	638547	0.33	cps
Bismuth	209-1	7902712	7760982	7835697	7833130	0.91	cps
Bismuth	209-2	6729185	6631015	6664606	6674935	0.75	cps
Bromine	81-1	11148	11441	10871	11153	2.56	cps
Bromine	81-2	87	97	83	89	7.81	cps
Cadmium	108-1	93337	93797	94106	93747	0.41	cps
Cadmium	106-1	138519	138190	138449	138386	0.13	cps
Cadmium	111-1	1198023	1202395	1201455	1200624	0.19	cps
Calcium	43-1	1206718	1239737	1222119	1222858	1.35	cps
Calcium	44-1	19916181	19981479	19821963	19906541	0.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2186410	2144272	2119963	2150215	1.56	cps
Cobalt	59-2	3244317	3240927	3201729	3228991	0.73	cps
Copper	63-2	20861128	20821070	20814518	20832239	0.12	cps
Dysprosium	156-1	87	113	90	97	15.03	cps
Dysprosium	156-2	393	393	383	390	1.48	cps
Erbium	164-1	93	117	110	107	11.27	cps
Erbium	164-2	93	103	60	86	26.52	cps
Gadolinium	160-1	73	53	100	76	30.99	cps
Gadolinium	160-2	527	553	540	540	2.47	cps
Holmium	165-1	12942690	12946693	12834603	12907996	0.49	cps
Holmium	165-2	10087987	9978927	9964344	10010420	0.67	cps
Indium	115-1	10012656	9782513	9865221	9886797	1.18	cps
Indium	115-2	4365202	4260069	4295394	4306888	1.24	cps
Iron	56-2	98710105	96481682	98592262	97928016	1.28	cps
Iron	57-2	2458608	2417911	2459666	2445395	0.97	cps
Iron	54-2	5363343	5347993	5428196	5379844	0.79	cps
Krypton	83-1	167	197	183	182	8.25	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S06 Instrumnet Name : P7
Client Sample ID : S06 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:45:50 DataFile Name : 011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19388856	19266447	19694128	19449810	1.13	cps
Lead	207-1	17328826	17495974	17573798	17466199	0.72	cps
Lead	208-1	78600817	78425260	79323710	78783262	0.60	cps
Lithium	6-1	1528084	1532466	1502660	1521070	1.06	cps
Magnesium	24-2	20338784	20598643	20367934	20435120	0.70	cps
Manganese	55-2	17690025	17346048	17750045	17595373	1.24	cps
Molybdenum	94-1	16713556	16784990	16800073	16766206	0.28	cps
Molybdenum	95-1	24075680	24137225	24269967	24160957	0.41	cps
Molybdenum	96-1	26445213	26609629	26818896	26624579	0.70	cps
Molybdenum	97-1	14998106	15207638	15143762	15116502	0.71	cps
Molybdenum	98-1	38736070	39164624	39498264	39132986	0.98	cps
Neodymium	150-1	383	357	407	382	6.55	cps
Neodymium	150-2	163	123	113	133	19.85	cps
Nickel	60-2	789004	785114	788207	787442	0.26	cps
Phosphorus	31-2	120123	120120	121068	120437	0.45	cps
Potassium	39-2	13796876	13639271	13757505	13731218	0.60	cps
Rhodium	103-1	8900298	8877665	8806607	8861523	0.55	cps
Rhodium	103-2	5800219	5720898	5730337	5750485	0.75	cps
Scandium	45-1	5383002	5310073	5264961	5319345	1.12	cps
Scandium	45-2	563119	558814	565058	562331	0.57	cps
Selenium	82-1	74420	74762	74627	74603	0.23	cps
Selenium	77-2	10174	10260	9913	10116	1.78	cps
Selenium	78-2	33956	33895	33421	33757	0.87	cps
Silicon	28-1	9059841	9073519	9104943	9079434	0.25	cps
Silver	107-1	6227889	6233491	6348168	6269849	1.08	cps
Silver	109-1	5928162	6019897	6016534	5988198	0.87	cps
Sodium	23-2	32576780	32801566	32394240	32590862	0.63	cps
Strontium	86-1	1623589	1603820	1613076	1613495	0.61	cps
Strontium	88-1	14249171	14309830	14375302	14311434	0.44	cps
Sulfur	34-1	470539	469823	468262	469541	0.25	cps
Terbium	159-1	13245709	13357019	13248131	13283619	0.48	cps
Terbium	159-2	10024683	9996086	9808429	9943066	1.18	cps
Thallium	203-1	5044101	5072462	5111234	5075932	0.66	cps
Thallium	205-1	11854369	11831046	12046044	11910487	0.99	cps
Tin	118-1	4168867	4223867	4198960	4197231	0.66	cps
Titanium	47-1	5846340	5819704	5807166	5824403	0.34	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S06 Instrumnet Name : P7
Client Sample ID : S06 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:45:50 DataFile Name : 011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16216096	16339635	16309701	16288478	0.40	cps
Vanadium	51-2	1909522	1907170	1912452	1909715	0.14	cps
Yttrium	89-1	15204843	15308361	15244244	15252483	0.34	cps
Yttrium	89-2	4923416	4854801	4885595	4887937	0.70	cps
Zinc	66-2	3960326	3953892	3973315	3962511	0.25	cps
Zirconium	90-1	8215222	8267003	8240502	8240909	0.31	cps
Zirconium	91-1	1817315	1810452	1859989	1829252	1.47	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S07 Instrumnet Name : P7
Client Sample ID : S07 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:48:36 DataFile Name : 012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5109296	5180519	5130745	5140187	0.71	cps
Antimony	121-1	10250671	10445637	10418040	10371449	1.02	cps
Arsenic	75-2	589879	583185	583595	585553	0.64	cps
Barium	135-1	12788479	12905736	13012822	12902346	0.87	cps
Barium	137-1	21919596	22307442	22404154	22210397	1.15	cps
Beryllium	9-1	1306205	1318446	1274007	1299552	1.77	cps
Bismuth	209-1	7872597	7766539	7803626	7814254	0.69	cps
Bismuth	209-2	6568663	6521169	6495030	6528287	0.57	cps
Bromine	81-1	11661	12055	12068	11928	1.94	cps
Bromine	81-2	97	120	107	108	10.86	cps
Cadmium	108-1	185440	189815	188272	187842	1.18	cps
Cadmium	106-1	265155	271236	271996	269462	1.39	cps
Cadmium	111-1	2387738	2460001	2417790	2421843	1.50	cps
Calcium	43-1	2515581	2500749	2482932	2499754	0.65	cps
Calcium	44-1	40740545	40947937	40656499	40781661	0.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4313018	4403804	4328079	4348300	1.12	cps
Cobalt	59-2	6512561	6549669	6500202	6520811	0.39	cps
Copper	63-2	42140571	42189184	42186362	42172039	0.06	cps
Dysprosium	156-1	263	230	237	243	7.25	cps
Dysprosium	156-2	843	780	840	821	4.34	cps
Erbium	164-1	203	167	200	190	10.67	cps
Erbium	164-2	147	123	140	137	8.79	cps
Gadolinium	160-1	160	180	153	164	8.44	cps
Gadolinium	160-2	610	677	490	592	15.97	cps
Holmium	165-1	13275397	13056935	12928965	13087099	1.34	cps
Holmium	165-2	10157205	10099997	10134615	10130605	0.28	cps
Indium	115-1	9808283	9768926	9750268	9775826	0.30	cps
Indium	115-2	4285673	4317896	4251089	4284886	0.78	cps
Iron	56-2	200177870	200504217	200164970	200282353	0.10	cps
Iron	57-2	5012562	4988779	4970792	4990711	0.42	cps
Iron	54-2	11084024	10945449	11012127	11013867	0.63	cps
Krypton	83-1	123	193	167	161	21.93	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S07 Instrumnet Name : P7
Client Sample ID : S07 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:48:36 DataFile Name : 012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	39865275	39490399	39328242	39561306	0.70	cps
Lead	207-1	35492658	35711165	35529390	35577738	0.33	cps
Lead	208-1	160019440	160466067	160191831	160225779	0.14	cps
Lithium	6-1	1481050	1509324	1512324	1500899	1.15	cps
Magnesium	24-2	41358955	41549599	41493821	41467458	0.24	cps
Manganese	55-2	36042141	35769917	35578169	35796742	0.65	cps
Molybdenum	94-1	34292433	34598015	34110238	34333562	0.72	cps
Molybdenum	95-1	49416573	49455526	49615034	49495711	0.21	cps
Molybdenum	96-1	53876328	54451553	54391961	54239947	0.58	cps
Molybdenum	97-1	30405888	30962435	30924456	30764260	1.01	cps
Molybdenum	98-1	78756097	80509442	79872107	79712549	1.11	cps
Neodymium	150-1	750	730	727	736	1.72	cps
Neodymium	150-2	273	210	207	230	16.33	cps
Nickel	60-2	1622366	1614223	1632569	1623052	0.57	cps
Phosphorus	31-2	248265	245326	244839	246143	0.75	cps
Potassium	39-2	28103614	27731165	27938464	27924414	0.67	cps
Rhodium	103-1	8846855	8939090	8754885	8846943	1.04	cps
Rhodium	103-2	5712266	5700318	5679702	5697429	0.29	cps
Scandium	45-1	5366058	5330743	5284469	5327090	0.77	cps
Scandium	45-2	572012	568662	567529	569401	0.41	cps
Selenium	82-1	147221	149570	149624	148805	0.92	cps
Selenium	77-2	20337	20144	20000	20161	0.84	cps
Selenium	78-2	67590	66689	67473	67251	0.73	cps
Silicon	28-1	22317676	22337767	22129507	22261650	0.52	cps
Silver	107-1	12327965	12565131	12428657	12440584	0.96	cps
Silver	109-1	11859411	11948114	12015030	11940852	0.65	cps
Sodium	23-2	66138596	66295474	66484399	66306156	0.26	cps
Strontium	86-1	3285585	3285434	3276409	3282476	0.16	cps
Strontium	88-1	28869590	28929189	29134787	28977855	0.48	cps
Sulfur	34-1	799247	806483	806991	804240	0.54	cps
Terbium	159-1	13428184	13538480	13358596	13441753	0.67	cps
Terbium	159-2	9993100	10047404	9945801	9995435	0.51	cps
Thallium	203-1	10369438	10384847	10303366	10352550	0.42	cps
Thallium	205-1	24447653	24126162	24290302	24288039	0.66	cps
Tin	118-1	8469572	8506987	8562717	8513092	0.55	cps
Titanium	47-1	11786812	11869525	11899476	11851938	0.49	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S07 Instrumnet Name : P7
Client Sample ID : S07 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:48:36 DataFile Name : 012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33351610	33005746	33551363	33302906	0.83	cps
Vanadium	51-2	3903937	3922589	3925696	3917408	0.30	cps
Yttrium	89-1	15558400	15473304	15263954	15431886	0.98	cps
Yttrium	89-2	4904718	4956884	4989977	4950526	0.87	cps
Zinc	66-2	7995026	7907096	7897341	7933154	0.68	cps
Zirconium	90-1	16695904	17073911	16714804	16828206	1.27	cps
Zirconium	91-1	3753784	3814838	3733679	3767433	1.12	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S08 Instrumnet Name : P7
Client Sample ID : S08 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:51:19 DataFile Name : 013CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	26337035	26833303	26837605	26669314	1.08	cps
Antimony	121-1	9500	9784	8379	9221	8.05	cps
Arsenic	75-2	407	363	443	404	9.90	cps
Barium	135-1	7619	7689	6208	7172	11.65	cps
Barium	137-1	13403	13174	10991	12523	10.63	cps
Beryllium	9-1	583	587	427	532	17.18	cps
Bismuth	209-1	6908502	6830249	6795284	6844678	0.85	cps
Bismuth	209-2	5904905	5882866	5929921	5905897	0.40	cps
Bromine	81-1	13086	13366	13386	13279	1.26	cps
Bromine	81-2	150	87	120	119	26.65	cps
Cadmium	108-1	117	107	97	107	9.37	cps
Cadmium	106-1	6148	6221	6025	6131	1.62	cps
Cadmium	111-1	2068	2193	1884	2048	7.59	cps
Calcium	43-1	12093077	12174598	12215325	12161000	0.51	cps
Calcium	44-1	199870870	201840470	200956577	200889306	0.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10292	12578	12135	11669	10.39	cps
Cobalt	59-2	17821	18371	18785	18326	2.64	cps
Copper	63-2	12302	12278	12062	12214	1.08	cps
Dysprosium	156-1	337	380	357	358	6.06	cps
Dysprosium	156-2	280	393	323	332	17.21	cps
Erbium	164-1	467	410	347	408	14.72	cps
Erbium	164-2	360	307	313	327	8.90	cps
Gadolinium	160-1	330	337	377	348	7.26	cps
Gadolinium	160-2	717	767	820	768	6.73	cps
Holmium	165-1	12707930	12586708	12657908	12650849	0.48	cps
Holmium	165-2	9764583	9696395	9811230	9757403	0.59	cps
Indium	115-1	9339823	9328124	9378173	9348707	0.28	cps
Indium	115-2	4220991	4203023	4239960	4221324	0.44	cps
Iron	56-2	965409026	974700385	967496039	969201817	0.50	cps
Iron	57-2	24133078	24634347	24413414	24393613	1.03	cps
Iron	54-2	52127996	52581188	53363204	52690796	1.19	cps
Krypton	83-1	180	177	170	176	2.90	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S08 Instrumnet Name : P7
Client Sample ID : S08 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:51:19 DataFile Name : 013CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18256	16518	13964	16246	13.29	cps
Lead	207-1	15953	14348	12392	14231	12.53	cps
Lead	208-1	73094	64842	56373	64770	12.91	cps
Lithium	6-1	1430609	1397909	1419101	1415873	1.17	cps
Magnesium	24-2	198464910	198808710	199032744	198768788	0.14	cps
Manganese	55-2	18755	18515	18081	18450	1.85	cps
Molybdenum	94-1	15031	13894	11555	13493	13.14	cps
Molybdenum	95-1	18262	25503	12132	18632	35.92	cps
Molybdenum	96-1	29199	45734	22371	32435	37.04	cps
Molybdenum	97-1	11365	21225	7602	13397	52.51	cps
Molybdenum	98-1	28822	47117	18161	31367	46.69	cps
Neodymium	150-1	227	220	170	206	15.07	cps
Neodymium	150-2	137	153	123	138	10.91	cps
Nickel	60-2	8419	8526	8099	8348	2.66	cps
Phosphorus	31-2	550	650	570	590	8.97	cps
Potassium	39-2	141871668	143360848	142872575	142701697	0.53	cps
Rhodium	103-1	8189339	8139389	8169847	8166192	0.31	cps
Rhodium	103-2	5298204	5357857	5318995	5325019	0.57	cps
Scandium	45-1	5327016	5297628	5379302	5334649	0.78	cps
Scandium	45-2	578469	580818	580269	579852	0.21	cps
Selenium	82-1	588	578	621	596	3.84	cps
Selenium	77-2	13	13	3	10	57.75	cps
Selenium	78-2	533	463	523	507	7.47	cps
Silicon	28-1	768631	781344	781809	777261	0.96	cps
Silver	107-1	4494	6751	3047	4764	39.19	cps
Silver	109-1	4114	5242	2634	3997	32.74	cps
Sodium	23-2	331008982	332852895	332857035	332239637	0.32	cps
Strontium	86-1	9740	9700	9343	9594	2.28	cps
Strontium	88-1	83250	82171	80703	82041	1.56	cps
Sulfur	34-1	137454	143930	147332	142906	3.51	cps
Terbium	159-1	12780114	12741696	12785729	12769180	0.19	cps
Terbium	159-2	9665367	9724852	9723463	9704561	0.35	cps
Thallium	203-1	3144	2847	1960	2650	23.24	cps
Thallium	205-1	7272	6065	4507	5948	23.30	cps
Tin	118-1	4254	4498	3437	4063	13.68	cps
Titanium	47-1	4007	3360	2890	3419	16.40	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : S08 Instrumnet Name : P7
Client Sample ID : S08 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 13:51:19 DataFile Name : 013CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	9110	7366	5094	7190	28.00	cps
Vanadium	51-2	1000	990	943	978	3.09	cps
Yttrium	89-1	14865777	15105124	15096695	15022532	0.90	cps
Yttrium	89-2	4934420	4949336	4979266	4954341	0.46	cps
Zinc	66-2	11521	11992	11328	11613	2.94	cps
Zirconium	90-1	13333	12522	11431	12429	7.68	cps
Zirconium	91-1	3060	2840	2640	2847	7.38	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICV001 Instrumnet Name : P7
Client Sample ID : ICV001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:26:15 DataFile Name : 016ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	125888	125484	123788	125053	0.89	cps
Antimony	121-1	2013676	2035976	2045086	2031579	0.80	cps
Arsenic	75-2	120518	118928	118427	119291	0.91	cps
Barium	135-1	252415	252848	251880	252381	0.19	cps
Barium	137-1	438784	433708	432792	435095	0.74	cps
Beryllium	9-1	126725	128371	129749	128282	1.18	cps
Bismuth	209-1	8029727	8086523	8058073	8058108	0.35	cps
Bismuth	209-2	7019284	6927003	6885754	6944014	0.98	cps
Bromine	81-1	12198	12552	12165	12305	1.74	cps
Bromine	81-2	140	180	190	170	15.56	cps
Cadmium	108-1	28802	28344	29116	28754	1.35	cps
Cadmium	106-1	48063	49461	49063	48862	1.47	cps
Cadmium	111-1	249986	250290	250292	250190	0.07	cps
Calcium	43-1	57515	57368	57920	57601	0.50	cps
Calcium	44-1	901976	895503	898190	898556	0.36	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	444144	441936	439022	441701	0.58	cps
Cobalt	59-2	669402	661145	661189	663912	0.72	cps
Copper	63-2	448329	447726	446658	447571	0.19	cps
Dysprosium	156-1	7	27	13	16	65.47	cps
Dysprosium	156-2	33	17	20	23	37.78	cps
Erbium	164-1	70	43	77	63	27.85	cps
Erbium	164-2	47	57	43	49	14.20	cps
Gadolinium	160-1	47	60	33	47	28.58	cps
Gadolinium	160-2	497	557	500	518	6.51	cps
Holmium	165-1	12949667	13155109	13015053	13039943	0.80	cps
Holmium	165-2	10268170	10138752	10108766	10171896	0.83	cps
Indium	115-1	10305641	10200877	10147166	10217895	0.79	cps
Indium	115-2	4581434	4464184	4494929	4513516	1.35	cps
Iron	56-2	8217322	8188310	8114783	8173472	0.65	cps
Iron	57-2	210628	208969	207885	209160	0.66	cps
Iron	54-2	475741	472138	468848	472242	0.73	cps
Krypton	83-1	187	183	140	170	15.32	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICV001 Instrumnet Name : P7
Client Sample ID : ICV001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:26:15 DataFile Name : 016ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1551454	1568135	1560809	1560133	0.54	cps
Lead	207-1	1307656	1319087	1334501	1320415	1.02	cps
Lead	208-1	6284112	6261234	6313545	6286297	0.42	cps
Lithium	6-1	1566633	1546769	1540770	1551391	0.87	cps
Magnesium	24-2	474018	474869	469392	472760	0.62	cps
Manganese	55-2	365944	363157	362933	364011	0.46	cps
Molybdenum	94-1	16938729	16871638	16767653	16859340	0.51	cps
Molybdenum	95-1	24142388	23840615	23646623	23876542	1.05	cps
Molybdenum	96-1	26480778	26404742	26134960	26340160	0.69	cps
Molybdenum	97-1	14921331	15028993	14907446	14952590	0.44	cps
Molybdenum	98-1	38696187	38713884	38651221	38687097	0.08	cps
Neodymium	150-1	17	30	13	20	44.10	cps
Neodymium	150-2	10	7	3	7	50.03	cps
Nickel	60-2	168549	168120	170041	168904	0.60	cps
Phosphorus	31-2	430	330	393	384	13.16	cps
Potassium	39-2	1214453	1196975	1193173	1201534	0.94	cps
Rhodium	103-1	9489775	9641872	9547655	9559767	0.80	cps
Rhodium	103-2	6135469	6050446	6138241	6108052	0.82	cps
Scandium	45-1	5638014	5619502	5556131	5604549	0.77	cps
Scandium	45-2	592159	589265	591180	590868	0.25	cps
Selenium	82-1	31256	31522	31278	31352	0.47	cps
Selenium	77-2	4177	4104	4227	4170	1.49	cps
Selenium	78-2	14414	14484	14464	14454	0.25	cps
Silicon	28-1	3242302	3239169	3286285	3255919	0.81	cps
Silver	107-1	602647	609079	610129	607285	0.67	cps
Silver	109-1	570200	574625	577465	574097	0.64	cps
Sodium	23-2	1345840	1340129	1357709	1347892	0.67	cps
Strontium	86-1	1612635	1626837	1606444	1615305	0.65	cps
Strontium	88-1	14380419	14282872	14179807	14281033	0.70	cps
Sulfur	34-1	150361	147723	145747	147943	1.56	cps
Terbium	159-1	13457570	13221937	13354972	13344826	0.89	cps
Terbium	159-2	10140725	10067814	9974568	10061036	0.83	cps
Thallium	203-1	2028045	2026225	2041562	2031944	0.41	cps
Thallium	205-1	4770364	4817240	4760578	4782727	0.63	cps
Tin	118-1	4422134	4460042	4488326	4456834	0.75	cps
Titanium	47-1	5823360	5848805	5831421	5834529	0.22	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICV001 Instrumnet Name : P7
Client Sample ID : ICV001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:26:15 DataFile Name : 016ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16749458	16471048	16568395	16596300	0.85	cps
Vanadium	51-2	383337	378186	378510	380011	0.76	cps
Yttrium	89-1	15886788	16022551	15710612	15873317	0.99	cps
Yttrium	89-2	5098728	4971507	5028319	5032851	1.27	cps
Zinc	66-2	164697	163450	162921	163689	0.56	cps
Zirconium	90-1	8600604	8706496	8625338	8644146	0.64	cps
Zirconium	91-1	1945993	1938179	1895915	1926695	1.40	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICB001 Instrumnet Name : P7
Client Sample ID : ICB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:32:30 DataFile Name : 018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	307	253	280	280	9.52	cps
Antimony	121-1	190	217	210	206	6.75	cps
Arsenic	75-2	23	17	10	17	39.99	cps
Barium	135-1	40	40	50	43	13.32	cps
Barium	137-1	113	90	107	103	11.63	cps
Beryllium	9-1	70	103	87	87	19.23	cps
Bismuth	209-1	8054452	8007250	8006938	8022880	0.34	cps
Bismuth	209-2	6945152	6967733	6918596	6943827	0.35	cps
Bromine	81-1	12619	12432	12612	12554	0.84	cps
Bromine	81-2	83	67	70	73	12.02	cps
Cadmium	108-1	10	17	13	13	25.01	cps
Cadmium	106-1	6178	6175	6071	6141	0.99	cps
Cadmium	111-1	1272	1253	1218	1248	2.18	cps
Calcium	43-1	667	673	540	627	11.99	cps
Calcium	44-1	13102	13176	13096	13125	0.34	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	673	727	727	709	4.34	cps
Cobalt	59-2	634	70	87	263	121.74	cps
Copper	63-2	3045	1667	1737	2150	36.12	cps
Dysprosium	156-1	3	0	17	7	132.33	cps
Dysprosium	156-2	10	10	3	8	49.52	cps
Erbium	164-1	70	70	80	73	7.87	cps
Erbium	164-2	43	63	53	53	18.75	cps
Gadolinium	160-1	57	33	47	46	25.70	cps
Gadolinium	160-2	543	480	533	519	6.56	cps
Holmium	165-1	13064350	13062292	12739803	12955482	1.44	cps
Holmium	165-2	10071135	10036136	10016215	10041162	0.28	cps
Indium	115-1	10328595	10316414	10218026	10287678	0.59	cps
Indium	115-2	4537966	4548766	4618391	4568374	0.96	cps
Iron	56-2	39232	16439	16686	24119	54.27	cps
Iron	57-2	2131	1277	1333	1580	30.22	cps
Iron	54-2	2640	2510	2340	2497	6.03	cps
Krypton	83-1	163	193	157	171	11.41	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICB001 Instrumnet Name : P7
Client Sample ID : ICB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:32:30 DataFile Name : 018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	693	717	700	703	1.71	cps
Lead	207-1	650	550	580	593	8.65	cps
Lead	208-1	2800	2897	2740	2812	2.81	cps
Lithium	6-1	1562433	1538220	1506560	1535738	1.82	cps
Magnesium	24-2	1260	757	747	921	31.88	cps
Manganese	55-2	307	247	220	258	17.22	cps
Molybdenum	94-1	383	293	403	360	16.28	cps
Molybdenum	95-1	350	287	223	287	22.09	cps
Molybdenum	96-1	403	347	323	358	11.50	cps
Molybdenum	97-1	153	140	143	146	4.77	cps
Molybdenum	98-1	453	400	403	419	7.13	cps
Neodymium	150-1	3	17	7	9	78.08	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	410	287	287	328	21.73	cps
Phosphorus	31-2	377	330	380	362	7.72	cps
Potassium	39-2	59184	57916	59281	58794	1.30	cps
Rhodium	103-1	9590149	9529268	9513671	9544363	0.42	cps
Rhodium	103-2	6139364	6133521	6113661	6128849	0.22	cps
Scandium	45-1	5596000	5577095	5575316	5582804	0.21	cps
Scandium	45-2	588356	585389	587316	587020	0.26	cps
Selenium	82-1	356	357	404	373	7.28	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	487	543	543	524	6.24	cps
Silicon	28-1	752874	751457	751236	751856	0.12	cps
Silver	107-1	137	190	197	174	18.85	cps
Silver	109-1	167	173	150	163	7.36	cps
Sodium	23-2	28136	27328	27007	27490	2.12	cps
Strontium	86-1	280	323	250	284	12.96	cps
Strontium	88-1	323	283	290	299	7.17	cps
Sulfur	34-1	152064	155559	153088	153570	1.17	cps
Terbium	159-1	13493903	13312593	13246591	13351029	0.96	cps
Terbium	159-2	10006150	10081202	10009493	10032282	0.42	cps
Thallium	203-1	233	197	217	216	8.52	cps
Thallium	205-1	547	487	470	501	8.05	cps
Tin	118-1	1400	1313	1373	1362	3.26	cps
Titanium	47-1	113	103	120	112	7.48	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICB001 Instrumnet Name : P7
Client Sample ID : ICB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:32:30 DataFile Name : 018CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	43	33	50	42	19.87	cps
Vanadium	51-2	20	23	13	19	26.96	cps
Yttrium	89-1	15954196	15738489	15721371	15804685	0.82	cps
Yttrium	89-2	5071145	5020983	5079785	5057304	0.63	cps
Zinc	66-2	800	627	673	700	12.82	cps
Zirconium	90-1	773	673	710	719	7.04	cps
Zirconium	91-1	133	170	130	144	15.36	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICSA001 Instrumnet Name : P7
Client Sample ID : ICSA001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:35:49 DataFile Name : 019ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	24915997	24842295	24972415	24910236	0.26	cps
Antimony	121-1	10891	11298	11388	11192	2.37	cps
Arsenic	75-2	210	163	190	188	12.47	cps
Barium	135-1	3647	3707	3577	3644	1.79	cps
Barium	137-1	6612	6512	6271	6465	2.70	cps
Beryllium	9-1	367	467	380	404	13.42	cps
Bismuth	209-1	7710117	7777007	7845728	7777618	0.87	cps
Bismuth	209-2	6657134	6626499	6739217	6674284	0.87	cps
Bromine	81-1	13123	14430	14604	14052	5.76	cps
Bromine	81-2	397	347	393	379	7.38	cps
Cadmium	108-1	1710	1693	1687	1697	0.71	cps
Cadmium	106-1	5811	5915	5998	5908	1.58	cps
Cadmium	111-1	2125	2201	2136	2154	1.91	cps
Calcium	43-1	2524483	2539490	2600114	2554696	1.57	cps
Calcium	44-1	41251014	41445838	42093964	41596939	1.06	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	88655	89459	87569	88561	1.07	cps
Cobalt	59-2	8593	8509	8813	8638	1.82	cps
Copper	63-2	34506	34440	34991	34646	0.87	cps
Dysprosium	156-1	47	47	60	51	15.06	cps
Dysprosium	156-2	50	30	43	41	24.77	cps
Erbium	164-1	93	87	113	98	14.20	cps
Erbium	164-2	53	110	93	86	34.04	cps
Gadolinium	160-1	117	83	87	96	19.21	cps
Gadolinium	160-2	493	507	560	520	6.78	cps
Holmium	165-1	13416044	13322235	13293849	13344043	0.48	cps
Holmium	165-2	10318993	10254807	10277683	10283828	0.32	cps
Indium	115-1	10023558	10077179	10162130	10087622	0.69	cps
Indium	115-2	4466971	4489190	4469292	4475151	0.27	cps
Iron	56-2	422717140	417395767	417345594	419152834	0.74	cps
Iron	57-2	10351646	10521945	10361275	10411622	0.92	cps
Iron	54-2	22710407	22487887	22546366	22581553	0.51	cps
Krypton	83-1	123	193	197	171	24.20	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICSA001 Instrumnet Name : P7
Client Sample ID : ICSA001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:35:49 DataFile Name : 019ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	39581	38060	37923	38521	2.39	cps
Lead	207-1	31951	30651	30264	30955	2.85	cps
Lead	208-1	148123	143154	142210	144496	2.20	cps
Lithium	6-1	1546405	1546823	1534052	1542427	0.47	cps
Magnesium	24-2	40762679	40622082	40057761	40480841	0.92	cps
Manganese	55-2	29626	29379	29108	29371	0.88	cps
Molybdenum	94-1	5537329	5615717	5694627	5615891	1.40	cps
Molybdenum	95-1	9620143	9797614	9996294	9804684	1.92	cps
Molybdenum	96-1	10452212	10709207	10742261	10634560	1.49	cps
Molybdenum	97-1	6057341	6134527	6262015	6151294	1.68	cps
Molybdenum	98-1	15685859	16097399	16205370	15996209	1.71	cps
Neodymium	150-1	53	53	63	57	10.19	cps
Neodymium	150-2	37	37	23	32	23.90	cps
Nickel	60-2	9046	9233	9093	9124	1.07	cps
Phosphorus	31-2	1310325	1298510	1267873	1292236	1.70	cps
Potassium	39-2	58232444	57504276	57877406	57871375	0.63	cps
Rhodium	103-1	9003901	9027990	9073362	9035084	0.39	cps
Rhodium	103-2	5839028	5958493	5818922	5872148	1.28	cps
Scandium	45-1	5581650	5477806	5527290	5528915	0.94	cps
Scandium	45-2	583839	590232	590577	588216	0.65	cps
Selenium	82-1	422	354	407	394	9.16	cps
Selenium	77-2	3	3	3	3	0.00	cps
Selenium	78-2	580	560	503	548	7.26	cps
Silicon	28-1	767589	766935	779881	771468	0.95	cps
Silver	107-1	837	513	537	629	28.67	cps
Silver	109-1	727	573	423	574	26.40	cps
Sodium	23-2	68321959	68816634	68490037	68542877	0.37	cps
Strontium	86-1	106626	109947	109597	108723	1.68	cps
Strontium	88-1	930868	956194	965234	950765	1.87	cps
Sulfur	34-1	3634737	3700334	3682995	3672689	0.93	cps
Terbium	159-1	13695324	13499855	13758753	13651310	0.99	cps
Terbium	159-2	10304029	10285252	10252260	10280514	0.25	cps
Thallium	203-1	1147	1067	1250	1155	7.96	cps
Thallium	205-1	2380	2704	2867	2650	9.35	cps
Tin	118-1	3344	3487	3254	3362	3.50	cps
Titanium	47-1	2451446	2464141	2490409	2468665	0.80	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICSA001 Instrumnet Name : P7
Client Sample ID : ICSA001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:35:49 DataFile Name : 019ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	547	453	630	543	16.27	cps
Vanadium	51-2	783	743	837	788	5.94	cps
Yttrium	89-1	15565378	15831720	16016128	15804409	1.43	cps
Yttrium	89-2	5074666	5178330	5063140	5105379	1.24	cps
Zinc	66-2	9810	9350	9607	9589	2.41	cps
Zirconium	90-1	957	907	877	913	4.43	cps
Zirconium	91-1	213	163	213	197	14.68	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICSAB001 Instrumnet Name : P7
Client Sample ID : ICSAB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:38:50 DataFile Name : 020ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	25390581	25396998	25224321	25337300	0.39	cps
Antimony	121-1	221416	225255	221706	222792	0.96	cps
Arsenic	75-2	12739	12832	12609	12727	0.88	cps
Barium	135-1	56716	56689	57305	56903	0.61	cps
Barium	137-1	98474	98978	99847	99100	0.70	cps
Beryllium	9-1	26232	26553	26653	26479	0.83	cps
Bismuth	209-1	7811514	7908352	7974555	7898140	1.04	cps
Bismuth	209-2	6789249	6702067	6742089	6744468	0.65	cps
Bromine	81-1	14517	15455	15492	15155	3.64	cps
Bromine	81-2	427	453	433	438	3.17	cps
Cadmium	108-1	5121	5128	5031	5093	1.06	cps
Cadmium	106-1	10811	11038	10431	10760	2.85	cps
Cadmium	111-1	51377	52769	52019	52055	1.34	cps
Calcium	43-1	2616027	2692225	2655241	2654498	1.44	cps
Calcium	44-1	42397803	43429761	42874933	42900832	1.20	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	182975	182230	182243	182483	0.23	cps
Cobalt	59-2	146164	145171	143414	144916	0.96	cps
Copper	63-2	125850	124818	125978	125549	0.51	cps
Dysprosium	156-1	63	53	43	53	18.75	cps
Dysprosium	156-2	40	57	50	49	17.16	cps
Erbium	164-1	83	113	117	104	17.58	cps
Erbium	164-2	110	90	70	90	22.22	cps
Gadolinium	160-1	97	103	70	90	19.60	cps
Gadolinium	160-2	500	470	560	510	8.99	cps
Holmium	165-1	13653492	13617997	13361676	13544389	1.18	cps
Holmium	165-2	10531087	10495325	10479427	10501947	0.25	cps
Indium	115-1	10339700	10227533	10408193	10325142	0.88	cps
Indium	115-2	4490779	4493711	4626226	4536906	1.71	cps
Iron	56-2	434280434	430346247	426856140	430494274	0.86	cps
Iron	57-2	10687338	10593938	10503299	10594858	0.87	cps
Iron	54-2	23050053	23440297	23311883	23267411	0.85	cps
Krypton	83-1	147	203	213	188	19.15	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICSAB001 Instrumnet Name : P7
Client Sample ID : ICSAB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:38:50 DataFile Name : 020ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	197672	201631	197813	199039	1.13	cps
Lead	207-1	170964	169941	170060	170322	0.33	cps
Lead	208-1	774900	776793	778575	776756	0.24	cps
Lithium	6-1	1512228	1589508	1519256	1540330	2.77	cps
Magnesium	24-2	41711274	41090006	41496180	41432487	0.76	cps
Manganese	55-2	105758	105912	107094	106255	0.69	cps
Molybdenum	94-1	5831455	5909516	5884263	5875078	0.68	cps
Molybdenum	95-1	10093306	10215461	10257484	10188750	0.84	cps
Molybdenum	96-1	10998009	11088144	11080906	11055687	0.45	cps
Molybdenum	97-1	6362210	6390488	6406260	6386319	0.35	cps
Molybdenum	98-1	16425126	16404928	16498585	16442880	0.30	cps
Neodymium	150-1	40	73	70	61	30.04	cps
Neodymium	150-2	57	43	47	49	14.20	cps
Nickel	60-2	42754	42410	41751	42305	1.20	cps
Phosphorus	31-2	1335837	1343587	1347733	1342386	0.45	cps
Potassium	39-2	58631549	59200681	58355532	58729254	0.73	cps
Rhodium	103-1	9097100	9096486	9187211	9126932	0.57	cps
Rhodium	103-2	5970318	6024567	5937772	5977552	0.73	cps
Scandium	45-1	5628891	5682859	5649085	5653612	0.48	cps
Scandium	45-2	601512	596964	597239	598572	0.43	cps
Selenium	82-1	3606	3568	3514	3562	1.29	cps
Selenium	77-2	370	467	390	409	12.48	cps
Selenium	78-2	1873	1993	1947	1938	3.12	cps
Silicon	28-1	804893	803731	810274	806299	0.43	cps
Silver	107-1	247027	249868	251255	249384	0.86	cps
Silver	109-1	233982	235268	237966	235739	0.86	cps
Sodium	23-2	70335544	69388809	69631641	69785331	0.70	cps
Strontium	86-1	111551	112102	113399	112351	0.84	cps
Strontium	88-1	984449	996479	991387	990772	0.61	cps
Sulfur	34-1	3761607	3800543	3807675	3789942	0.65	cps
Terbium	159-1	13769831	13923446	14040239	13911172	0.97	cps
Terbium	159-2	10423450	10454113	10386197	10421254	0.33	cps
Thallium	203-1	202226	202058	203263	202516	0.32	cps
Thallium	205-1	470999	477260	476678	474979	0.73	cps
Tin	118-1	2577	2324	2490	2464	5.23	cps
Titanium	47-1	2517002	2544119	2512780	2524634	0.67	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : ICSAB001 Instrumnet Name : P7
Client Sample ID : ICSAB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 14:38:50 DataFile Name : 020ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	573	697	543	604	13.44	cps
Vanadium	51-2	82762	82005	80486	81751	1.42	cps
Yttrium	89-1	16017366	16248595	16321008	16195656	0.98	cps
Yttrium	89-2	5238142	5243196	5187296	5222878	0.59	cps
Zinc	66-2	27001	26497	26433	26644	1.17	cps
Zirconium	90-1	1040	927	927	964	6.78	cps
Zirconium	91-1	170	210	203	194	11.02	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV001 Instrumnet Name : P7
Client Sample ID : CCV001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:00:44 DataFile Name : 023CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13699504	13625258	13636221	13653661	0.29	cps
Antimony	121-1	5145255	5132996	5159536	5145929	0.26	cps
Arsenic	75-2	293599	290512	290238	291450	0.64	cps
Barium	135-1	6480054	6461832	6475448	6472444	0.15	cps
Barium	137-1	11181045	11244999	11177121	11201055	0.34	cps
Beryllium	9-1	631385	639833	634263	635160	0.68	cps
Bismuth	209-1	7807247	7664685	7804646	7758859	1.05	cps
Bismuth	209-2	6573137	6488578	6541336	6534350	0.65	cps
Bromine	81-1	12826	12876	13329	13010	2.13	cps
Bromine	81-2	90	147	110	116	24.87	cps
Cadmium	108-1	90802	93015	92882	92233	1.35	cps
Cadmium	106-1	133796	136639	136693	135709	1.22	cps
Cadmium	111-1	1156608	1157248	1160533	1158130	0.18	cps
Calcium	43-1	6599455	6571980	6532023	6567819	0.52	cps
Calcium	44-1	107544748	107101218	106463425	107036464	0.51	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2218635	2235390	2257489	2237171	0.87	cps
Cobalt	59-2	3279812	3272325	3285292	3279143	0.20	cps
Copper	63-2	20662389	20435529	20211578	20436499	1.10	cps
Dysprosium	156-1	280	257	287	274	5.74	cps
Dysprosium	156-2	623	547	647	606	8.64	cps
Erbium	164-1	300	277	317	298	6.75	cps
Erbium	164-2	207	193	233	211	9.65	cps
Gadolinium	160-1	213	213	227	218	3.53	cps
Gadolinium	160-2	657	750	710	706	6.64	cps
Holmium	165-1	13595521	13568948	13520833	13561767	0.28	cps
Holmium	165-2	10408303	10307383	10404357	10373347	0.55	cps
Indium	115-1	10080890	10049194	10106793	10078959	0.29	cps
Indium	115-2	4483845	4493773	4437425	4471681	0.67	cps
Iron	56-2	517409179	513493979	510596246	513833135	0.67	cps
Iron	57-2	12931683	12682951	12735976	12783536	1.02	cps
Iron	54-2	27847820	27715316	27904549	27822562	0.35	cps
Krypton	83-1	163	177	167	169	4.11	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV001 Instrumnet Name : P7
Client Sample ID : CCV001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:00:44 DataFile Name : 023CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18879937	19146272	19205556	19077255	0.91	cps
Lead	207-1	17048741	17242208	17276335	17189095	0.71	cps
Lead	208-1	77537913	77819660	77775768	77711114	0.20	cps
Lithium	6-1	1561158	1562744	1538080	1553994	0.89	cps
Magnesium	24-2	112883918	111022678	110759288	111555295	1.04	cps
Manganese	55-2	18307371	18028693	18024065	18120043	0.90	cps
Molybdenum	94-1	17571007	17637706	17647794	17618836	0.24	cps
Molybdenum	95-1	25280560	25182858	25132131	25198516	0.30	cps
Molybdenum	96-1	27777325	27958317	27844600	27860081	0.33	cps
Molybdenum	97-1	15808153	15739321	15798946	15782140	0.24	cps
Molybdenum	98-1	40424814	41191557	40651799	40756056	0.97	cps
Neodymium	150-1	503	437	460	467	7.25	cps
Neodymium	150-2	183	200	177	187	6.44	cps
Nickel	60-2	783684	779036	778956	780559	0.35	cps
Phosphorus	31-2	126423	126538	127633	126865	0.53	cps
Potassium	39-2	73128757	73637902	72697944	73154868	0.64	cps
Rhodium	103-1	9068396	9056202	8925282	9016627	0.88	cps
Rhodium	103-2	5824975	5784323	5744145	5784481	0.70	cps
Scandium	45-1	5852597	5735930	5760132	5782886	1.06	cps
Scandium	45-2	601854	598364	600714	600310	0.30	cps
Selenium	82-1	73459	73267	73030	73252	0.29	cps
Selenium	77-2	10220	9750	9513	9828	3.66	cps
Selenium	78-2	33033	33287	32907	33076	0.59	cps
Silicon	28-1	9789634	9817991	9792394	9800006	0.16	cps
Silver	107-1	6083419	6164305	6111038	6119587	0.67	cps
Silver	109-1	5842248	5830588	5882166	5851667	0.46	cps
Sodium	23-2	175331804	174173271	172670144	174058406	0.77	cps
Strontium	86-1	1672813	1694720	1702530	1690021	0.91	cps
Strontium	88-1	14839701	14950467	14863321	14884496	0.39	cps
Sulfur	34-1	495177	490217	490649	492014	0.56	cps
Terbium	159-1	13906471	13835231	13908969	13883557	0.30	cps
Terbium	159-2	10323557	10263151	10266362	10284357	0.33	cps
Thallium	203-1	4992127	5004121	4981465	4992571	0.23	cps
Thallium	205-1	11694294	11943135	11892696	11843375	1.11	cps
Tin	118-1	4223082	4234750	4271288	4243040	0.59	cps
Titanium	47-1	6137861	6135169	6144279	6139103	0.08	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV001 Instrumnet Name : P7
Client Sample ID : CCV001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:00:44 DataFile Name : 023CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16252259	16653139	16756449	16553949	1.61	cps
Vanadium	51-2	2046224	2017551	2016584	2026786	0.83	cps
Yttrium	89-1	16166596	16022306	16167068	16118657	0.52	cps
Yttrium	89-2	5215466	5169723	5166870	5184020	0.53	cps
Zinc	66-2	3824294	3799641	3775108	3799681	0.65	cps
Zirconium	90-1	8630754	8641152	8528590	8600165	0.72	cps
Zirconium	91-1	1880512	1932743	1922027	1911761	1.44	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB001 Instrumnet Name : P7
Client Sample ID : CCB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:03:27 DataFile Name : 024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	717	740	567	674	13.95	cps
Antimony	121-1	2627	2003	1510	2047	27.34	cps
Arsenic	75-2	20	27	23	23	14.29	cps
Barium	135-1	1503	693	343	847	70.28	cps
Barium	137-1	2414	1203	697	1438	61.35	cps
Beryllium	9-1	303	213	180	232	27.47	cps
Bismuth	209-1	8342074	8324071	8292292	8319479	0.30	cps
Bismuth	209-2	7247342	7204094	7187299	7212912	0.43	cps
Bromine	81-1	12746	13259	13430	13145	2.71	cps
Bromine	81-2	100	100	90	97	5.97	cps
Cadmium	108-1	37	47	23	36	32.93	cps
Cadmium	106-1	6141	6095	6238	6158	1.19	cps
Cadmium	111-1	1546	1383	1381	1437	6.58	cps
Calcium	43-1	2187	1373	1047	1536	38.23	cps
Calcium	44-1	37794	26012	19846	27884	32.70	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	843	867	847	852	1.48	cps
Cobalt	59-2	197	137	147	160	20.09	cps
Copper	63-2	3027	2917	2590	2845	7.99	cps
Dysprosium	156-1	13	3	3	7	86.65	cps
Dysprosium	156-2	3	3	10	6	69.34	cps
Erbium	164-1	70	87	93	83	14.42	cps
Erbium	164-2	43	67	47	52	24.17	cps
Gadolinium	160-1	63	40	37	47	31.13	cps
Gadolinium	160-2	540	477	470	496	7.80	cps
Holmium	165-1	13659192	13383617	13535721	13526177	1.02	cps
Holmium	165-2	10520298	10404433	10554192	10492974	0.75	cps
Indium	115-1	10742972	10745414	10710529	10732972	0.18	cps
Indium	115-2	4795018	4789220	4772692	4785643	0.24	cps
Iron	56-2	46923	45121	43285	45110	4.03	cps
Iron	57-2	2087	1990	1917	1998	4.27	cps
Iron	54-2	4391	4144	4424	4320	3.54	cps
Krypton	83-1	180	193	150	174	12.72	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB001 Instrumnet Name : P7
Client Sample ID : CCB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:03:27 DataFile Name : 024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5164	3374	2267	3602	40.60	cps
Lead	207-1	4728	2760	1913	3134	46.07	cps
Lead	208-1	21190	12759	8685	14211	44.88	cps
Lithium	6-1	1605171	1603682	1598422	1602425	0.22	cps
Magnesium	24-2	3750	3370	2864	3328	13.37	cps
Manganese	55-2	1027	783	770	860	16.80	cps
Molybdenum	94-1	4637	2754	1900	3097	45.22	cps
Molybdenum	95-1	6288	3487	2240	4005	51.76	cps
Molybdenum	96-1	6922	4121	2574	4539	48.56	cps
Molybdenum	97-1	3934	2297	1337	2523	52.06	cps
Molybdenum	98-1	10387	5935	3584	6635	52.08	cps
Neodymium	150-1	7	7	3	6	34.70	cps
Neodymium	150-2	3	7	0	3	100.05	cps
Nickel	60-2	333	287	343	321	9.42	cps
Phosphorus	31-2	360	390	403	384	5.77	cps
Potassium	39-2	68955	69049	67914	68639	0.92	cps
Rhodium	103-1	9817585	9870448	9977368	9888467	0.82	cps
Rhodium	103-2	6514967	6472508	6472964	6486813	0.38	cps
Scandium	45-1	5724032	5827638	5817758	5789809	0.99	cps
Scandium	45-2	621144	616617	620336	619366	0.39	cps
Selenium	82-1	460	376	428	421	10.04	cps
Selenium	77-2	3	3	3	3	0.00	cps
Selenium	78-2	550	440	587	526	14.52	cps
Silicon	28-1	751455	760642	764255	758784	0.87	cps
Silver	107-1	2014	1253	807	1358	44.93	cps
Silver	109-1	1940	1180	703	1275	48.94	cps
Sodium	23-2	74523	70778	68655	71319	4.17	cps
Strontium	86-1	613	487	467	522	15.23	cps
Strontium	88-1	3584	1923	1170	2226	55.48	cps
Sulfur	34-1	150472	153121	153899	152497	1.18	cps
Terbium	159-1	13877818	13654615	14035789	13856074	1.38	cps
Terbium	159-2	10579375	10469454	10496944	10515258	0.54	cps
Thallium	203-1	1857	1210	903	1323	36.78	cps
Thallium	205-1	4087	2624	2097	2936	35.13	cps
Tin	118-1	2364	1910	1667	1980	17.86	cps
Titanium	47-1	1453	787	483	908	54.66	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB001 Instrumnet Name : P7
Client Sample ID : CCB001 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:03:27 DataFile Name : 024CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3427	1750	903	2027	63.37	cps
Vanadium	51-2	63	33	37	44	36.99	cps
Yttrium	89-1	16685390	16321220	16441039	16482550	1.13	cps
Yttrium	89-2	5352713	5336117	5336019	5341616	0.18	cps
Zinc	66-2	897	677	713	762	15.46	cps
Zirconium	90-1	2844	1947	1623	2138	29.57	cps
Zirconium	91-1	657	380	320	452	39.71	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-01 Instrumnet Name : P7
Client Sample ID : LOD-MDL-SOIL-01-QT2- Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:10:35 DataFile Name : 026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2327	2260	2314	2300	1.53	cps
Antimony	121-1	4367	4487	4057	4304	5.16	cps
Arsenic	75-2	303	217	220	247	19.91	cps
Barium	135-1	4961	5148	4924	5011	2.39	cps
Barium	137-1	8940	9053	8843	8945	1.18	cps
Beryllium	9-1	617	573	617	602	4.15	cps
Bismuth	209-1	8606366	8266506	8298618	8390496	2.24	cps
Bismuth	209-2	7325657	7228195	7236873	7263575	0.74	cps
Bromine	81-1	14797	14417	14334	14516	1.70	cps
Bromine	81-2	207	170	140	172	19.39	cps
Cadmium	108-1	87	83	97	89	7.81	cps
Cadmium	106-1	6725	6852	6528	6702	2.43	cps
Cadmium	111-1	2348	2309	2355	2337	1.06	cps
Calcium	43-1	5684	5908	5704	5766	2.14	cps
Calcium	44-1	99359	97433	98037	98277	1.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4821	4614	4761	4732	2.25	cps
Cobalt	59-2	3000	2974	2970	2981	0.55	cps
Copper	63-2	5788	5734	5895	5806	1.40	cps
Dysprosium	156-1	3	7	3	4	43.40	cps
Dysprosium	156-2	7	3	10	7	50.03	cps
Erbium	164-1	90	120	47	86	43.09	cps
Erbium	164-2	63	40	50	51	22.90	cps
Gadolinium	160-1	50	60	77	62	21.65	cps
Gadolinium	160-2	590	583	527	567	6.14	cps
Holmium	165-1	13728143	13550286	13550304	13609578	0.75	cps
Holmium	165-2	10561150	10576915	10473727	10537264	0.53	cps
Indium	115-1	11281705	10978577	10977181	11079154	1.58	cps
Indium	115-2	4891647	4870285	4878095	4880009	0.22	cps
Iron	56-2	171234	171185	172807	171742	0.54	cps
Iron	57-2	5418	5368	5628	5471	2.52	cps
Iron	54-2	11017	11221	11021	11086	1.05	cps
Krypton	83-1	200	193	163	186	10.52	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-01 Instrumnet Name : P7
Client Sample ID : LOD-MDL-SOIL-01-QT2- Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:10:35 DataFile Name : 026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3887	4061	3847	3932	2.89	cps
Lead	207-1	3550	3457	3494	3500	1.34	cps
Lead	208-1	15654	15754	15594	15667	0.52	cps
Lithium	6-1	1541423	1535166	1591725	1556105	1.99	cps
Magnesium	24-2	89300	88392	88409	88700	0.59	cps
Manganese	55-2	3537	3397	3627	3520	3.29	cps
Molybdenum	94-1	3777	4167	3984	3976	4.91	cps
Molybdenum	95-1	2207	2400	2417	2341	4.99	cps
Molybdenum	96-1	3027	3094	3250	3124	3.67	cps
Molybdenum	97-1	1467	1443	1497	1469	1.82	cps
Molybdenum	98-1	4071	3987	4051	4036	1.08	cps
Neodymium	150-1	3	0	13	6	124.93	cps
Neodymium	150-2	7	10	3	7	50.03	cps
Nickel	60-2	1400	1570	1493	1488	5.72	cps
Phosphorus	31-2	437	553	450	480	13.30	cps
Potassium	39-2	144535	145258	144740	144844	0.26	cps
Rhodium	103-1	10466119	10262158	10195522	10307933	1.37	cps
Rhodium	103-2	6598236	6577691	6617518	6597815	0.30	cps
Scandium	45-1	6163343	5993956	5999113	6052137	1.59	cps
Scandium	45-2	637646	633733	636279	635886	0.31	cps
Selenium	82-1	1200	1134	1163	1166	2.85	cps
Selenium	77-2	77	103	77	86	17.99	cps
Selenium	78-2	860	910	917	896	3.46	cps
Silicon	28-1	803392	809117	815834	809448	0.77	cps
Silver	107-1	5644	5264	5561	5490	3.64	cps
Silver	109-1	5268	5094	4924	5095	3.37	cps
Sodium	23-2	172939	172120	171820	172293	0.34	cps
Strontium	86-1	1647	1713	1600	1653	3.45	cps
Strontium	88-1	11601	11294	11395	11430	1.37	cps
Sulfur	34-1	167820	167126	164973	166640	0.89	cps
Terbium	159-1	14458891	14049383	13808831	14105702	2.33	cps
Terbium	159-2	10491668	10494597	10344944	10443736	0.82	cps
Thallium	203-1	4284	3871	4124	4093	5.09	cps
Thallium	205-1	10217	9790	9710	9906	2.75	cps
Tin	118-1	3987	3967	3714	3889	3.92	cps
Titanium	47-1	590	567	557	571	3.00	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-01 Instrumnet Name : P7
Client Sample ID : LOD-MDL-SOIL-01-QT2- Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:10:35 DataFile Name : 026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12029	12376	12126	12177	1.47	cps
Vanadium	51-2	1633	1560	1617	1603	2.40	cps
Yttrium	89-1	17406607	16997949	16762450	17055668	1.91	cps
Yttrium	89-2	5488296	5423757	5445911	5452655	0.60	cps
Zinc	66-2	1097	1067	1253	1139	8.80	cps
Zirconium	90-1	6668	7055	7132	6952	3.57	cps
Zirconium	91-1	1543	1693	1707	1648	5.50	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-02 Instrumnet Name : P7
Client Sample ID : LOQ-SOIL-02-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:16:00 DataFile Name : 027LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5358	5751	5694	5601	3.80	cps
Antimony	121-1	20047	19947	20214	20070	0.67	cps
Arsenic	75-2	620	620	583	608	3.48	cps
Barium	135-1	24992	25132	24808	24977	0.65	cps
Barium	137-1	43379	43777	43811	43656	0.55	cps
Beryllium	9-1	1397	1273	1380	1350	4.96	cps
Bismuth	209-1	8510131	8164256	8260262	8311550	2.15	cps
Bismuth	209-2	7262264	7157080	7185301	7201549	0.76	cps
Bromine	81-1	13990	14347	14641	14326	2.27	cps
Bromine	81-2	127	160	157	148	12.42	cps
Cadmium	108-1	227	223	190	213	9.51	cps
Cadmium	106-1	6525	6508	6178	6404	3.05	cps
Cadmium	111-1	3863	3796	3860	3839	0.99	cps
Calcium	43-1	14400	14260	14197	14286	0.73	cps
Calcium	44-1	233994	236986	234560	235180	0.68	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12225	12449	12045	12239	1.65	cps
Cobalt	59-2	7909	7192	7642	7581	4.78	cps
Copper	63-2	11414	11087	11281	11261	1.46	cps
Dysprosium	156-1	10	17	17	14	26.66	cps
Dysprosium	156-2	10	10	0	7	86.60	cps
Erbium	164-1	60	80	73	71	14.32	cps
Erbium	164-2	63	50	50	54	14.14	cps
Gadolinium	160-1	70	70	60	67	8.66	cps
Gadolinium	160-2	537	560	470	522	8.94	cps
Holmium	165-1	13934690	13709004	13487777	13710490	1.63	cps
Holmium	165-2	10660335	10383330	10458953	10500872	1.36	cps
Indium	115-1	11146196	10950729	10990696	11029207	0.94	cps
Indium	115-2	4905543	4971329	4913875	4930249	0.73	cps
Iron	56-2	255808	254438	254147	254798	0.35	cps
Iron	57-2	7415	7966	7662	7681	3.59	cps
Iron	54-2	15822	16172	15365	15786	2.57	cps
Krypton	83-1	143	200	177	173	16.43	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-02 Instrumnet Name : P7
Client Sample ID : LOQ-SOIL-02-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:16:00 DataFile Name : 027LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8059	8263	8419	8247	2.19	cps
Lead	207-1	7149	7159	7159	7155	0.08	cps
Lead	208-1	32582	33336	32792	32904	1.18	cps
Lithium	6-1	1594286	1500453	1534577	1543105	3.08	cps
Magnesium	24-2	222445	222598	224934	223326	0.62	cps
Manganese	55-2	4371	4221	4324	4305	1.78	cps
Molybdenum	94-1	20975	21059	21195	21076	0.53	cps
Molybdenum	95-1	25075	25579	25125	25260	1.10	cps
Molybdenum	96-1	28090	28845	28007	28314	1.63	cps
Molybdenum	97-1	15595	16409	16049	16018	2.55	cps
Molybdenum	98-1	39898	40927	40894	40573	1.44	cps
Neodymium	150-1	13	7	13	11	34.61	cps
Neodymium	150-2	7	3	7	6	34.70	cps
Nickel	60-2	2740	2474	2494	2569	5.78	cps
Phosphorus	31-2	843	833	877	851	2.67	cps
Potassium	39-2	377114	377443	377634	377397	0.07	cps
Rhodium	103-1	10339005	10167029	10262053	10256029	0.84	cps
Rhodium	103-2	6599744	6668258	6563023	6610342	0.81	cps
Scandium	45-1	6279869	6091605	6045317	6138931	2.02	cps
Scandium	45-2	639429	638450	637397	638425	0.16	cps
Selenium	82-1	1321	1157	1210	1229	6.81	cps
Selenium	77-2	103	137	93	111	20.42	cps
Selenium	78-2	1083	1003	880	989	10.36	cps
Silicon	28-1	1162080	862112	1145054	1056415	15.95	cps
Silver	107-1	12489	12569	12572	12543	0.38	cps
Silver	109-1	11912	12135	12352	12133	1.81	cps
Sodium	23-2	376241	372881	373085	374069	0.50	cps
Strontium	86-1	3434	3510	3477	3474	1.11	cps
Strontium	88-1	28695	28982	29095	28924	0.71	cps
Sulfur	34-1	170645	171406	173445	171832	0.84	cps
Terbium	159-1	14071221	14005220	14007923	14028121	0.27	cps
Terbium	159-2	10696994	10653375	10637978	10662782	0.29	cps
Thallium	203-1	9754	9650	9493	9632	1.36	cps
Thallium	205-1	22302	22642	22255	22400	0.94	cps
Tin	118-1	41704	42997	42362	42354	1.53	cps
Titanium	47-1	6471	6531	6398	6467	1.03	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-02 Instrumnet Name : P7
Client Sample ID : LOQ-SOIL-02-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:16:00 DataFile Name : 027LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	29306	28153	28517	28659	2.06	cps
Vanadium	51-2	20584	20554	20961	20700	1.10	cps
Yttrium	89-1	17323141	17066759	17120751	17170217	0.79	cps
Yttrium	89-2	5541588	5522335	5483895	5515939	0.53	cps
Zinc	66-2	4531	4734	4664	4643	2.23	cps
Zirconium	90-1	16823	17254	17364	17147	1.67	cps
Zirconium	91-1	3524	3757	3757	3679	3.66	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-16 Instrumnet Name : P7
Client Sample ID : LLOQ-SOIL-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:19:15 DataFile Name : 028LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5551	5301	5748	5533	4.05	cps
Antimony	121-1	20415	20201	19774	20130	1.62	cps
Arsenic	75-2	730	567	667	654	12.58	cps
Barium	135-1	25219	25229	25079	25176	0.33	cps
Barium	137-1	43179	43791	44238	43736	1.22	cps
Beryllium	9-1	1313	1340	1390	1348	2.89	cps
Bismuth	209-1	8107169	8380389	8215287	8234281	1.67	cps
Bismuth	209-2	7226863	7123781	7142678	7164441	0.77	cps
Bromine	81-1	15145	15278	14701	15041	2.01	cps
Bromine	81-2	170	200	87	152	38.57	cps
Cadmium	108-1	207	240	170	206	17.03	cps
Cadmium	106-1	6331	6451	6878	6554	4.39	cps
Cadmium	111-1	3959	3716	3960	3878	3.63	cps
Calcium	43-1	14053	14030	14307	14130	1.09	cps
Calcium	44-1	237227	237609	237949	237595	0.15	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12068	12275	12182	12175	0.85	cps
Cobalt	59-2	7319	7462	7382	7387	0.97	cps
Copper	63-2	11488	11278	11711	11492	1.89	cps
Dysprosium	156-1	10	17	10	12	31.50	cps
Dysprosium	156-2	17	13	17	16	12.40	cps
Erbium	164-1	57	87	57	67	25.98	cps
Erbium	164-2	50	60	53	54	9.35	cps
Gadolinium	160-1	43	103	63	70	43.65	cps
Gadolinium	160-2	573	550	537	553	3.35	cps
Holmium	165-1	13343394	13398239	13574400	13438678	0.90	cps
Holmium	165-2	10582748	10521384	10446180	10516771	0.65	cps
Indium	115-1	11030585	11109047	10820258	10986630	1.36	cps
Indium	115-2	4920002	4917083	4912535	4916540	0.08	cps
Iron	56-2	254408	253524	256410	254781	0.58	cps
Iron	57-2	7595	7679	7629	7634	0.55	cps
Iron	54-2	15938	16145	15728	15937	1.31	cps
Krypton	83-1	187	200	193	193	3.45	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-16 Instrumnet Name : P7
Client Sample ID : LLOQ-SOIL-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:19:15 DataFile Name : 028LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7999	8229	8119	8116	1.42	cps
Lead	207-1	7222	7269	7319	7270	0.67	cps
Lead	208-1	32829	32849	32746	32808	0.17	cps
Lithium	6-1	1538895	1547937	1509356	1532063	1.32	cps
Magnesium	24-2	221214	219041	219469	219908	0.52	cps
Manganese	55-2	4467	4621	4187	4425	4.97	cps
Molybdenum	94-1	20845	21539	21269	21218	1.65	cps
Molybdenum	95-1	25275	25345	25769	25463	1.05	cps
Molybdenum	96-1	28421	28912	28221	28518	1.25	cps
Molybdenum	97-1	15986	15945	16069	16000	0.39	cps
Molybdenum	98-1	41492	41278	40710	41160	0.98	cps
Neodymium	150-1	7	7	0	4	86.60	cps
Neodymium	150-2	3	7	7	6	34.70	cps
Nickel	60-2	2624	2784	2627	2678	3.41	cps
Phosphorus	31-2	803	827	917	849	7.05	cps
Potassium	39-2	380960	379794	380756	380503	0.16	cps
Rhodium	103-1	10165169	10245648	10218383	10209734	0.40	cps
Rhodium	103-2	6615974	6585832	6703681	6635162	0.92	cps
Scandium	45-1	6063732	6093722	6071313	6076255	0.26	cps
Scandium	45-2	644525	646742	644785	645351	0.19	cps
Selenium	82-1	1244	1268	1240	1251	1.20	cps
Selenium	77-2	123	117	197	146	30.49	cps
Selenium	78-2	873	887	1027	929	9.14	cps
Silicon	28-1	1192161	1212113	1203703	1202659	0.83	cps
Silver	107-1	12489	12889	13053	12810	2.26	cps
Silver	109-1	11868	11962	12385	12072	2.28	cps
Sodium	23-2	373755	371105	376632	373831	0.74	cps
Strontium	86-1	3620	3624	3367	3537	4.16	cps
Strontium	88-1	28377	28898	29339	28872	1.67	cps
Sulfur	34-1	172953	175242	172882	173692	0.77	cps
Terbium	159-1	14103010	13946955	13807761	13952575	1.06	cps
Terbium	159-2	10638466	10475425	10524527	10546139	0.79	cps
Thallium	203-1	9257	9277	9587	9373	1.98	cps
Thallium	205-1	21948	22632	22699	22426	1.85	cps
Tin	118-1	42412	42589	42499	42500	0.21	cps
Titanium	47-1	6328	6435	6211	6325	1.77	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-16 Instrumnet Name : P7
Client Sample ID : LLOQ-SOIL-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:19:15 DataFile Name : 028LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	27909	28748	29225	28627	2.33	cps
Vanadium	51-2	20861	20394	20711	20655	1.16	cps
Yttrium	89-1	16905353	17142987	17022548	17023629	0.70	cps
Yttrium	89-2	5570785	5546886	5529166	5548945	0.38	cps
Zinc	66-2	4861	4817	4841	4840	0.45	cps
Zirconium	90-1	17477	17644	17851	17657	1.06	cps
Zirconium	91-1	3801	3791	3714	3768	1.26	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-07 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-01-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:22:32 DataFile Name : 029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2327	2340	2344	2337	0.38	cps
Antimony	121-1	4117	3914	4141	4057	3.07	cps
Arsenic	75-2	270	283	310	288	7.08	cps
Barium	135-1	5104	5028	4824	4985	2.90	cps
Barium	137-1	8736	9070	8719	8842	2.23	cps
Beryllium	9-1	523	547	587	552	5.80	cps
Bismuth	209-1	8322323	8077657	8157992	8185991	1.52	cps
Bismuth	209-2	7065819	7195270	7085383	7115491	0.98	cps
Bromine	81-1	14761	14217	14767	14582	2.17	cps
Bromine	81-2	150	140	117	136	12.62	cps
Cadmium	108-1	90	100	87	92	7.52	cps
Cadmium	106-1	6822	6652	6278	6584	4.22	cps
Cadmium	111-1	2365	2420	2115	2300	7.07	cps
Calcium	43-1	5911	6048	5691	5883	3.06	cps
Calcium	44-1	98262	100869	100691	99941	1.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4901	4991	4981	4958	1.00	cps
Cobalt	59-2	3077	3074	2890	3014	3.55	cps
Copper	63-2	5614	5825	5841	5760	2.19	cps
Dysprosium	156-1	10	20	13	14	35.26	cps
Dysprosium	156-2	3	7	0	3	100.05	cps
Erbium	164-1	87	63	80	77	15.68	cps
Erbium	164-2	60	33	43	46	29.58	cps
Gadolinium	160-1	47	97	60	68	38.20	cps
Gadolinium	160-2	510	583	547	547	6.71	cps
Holmium	165-1	13468124	13459965	13389527	13439205	0.32	cps
Holmium	165-2	10461145	10533642	10449555	10481447	0.43	cps
Indium	115-1	11119885	10986619	10928707	11011737	0.89	cps
Indium	115-2	4973725	4910455	4944418	4942866	0.64	cps
Iron	56-2	173930	173097	172163	173063	0.51	cps
Iron	57-2	5284	5228	5161	5224	1.18	cps
Iron	54-2	11211	11358	11434	11334	1.00	cps
Krypton	83-1	173	173	230	192	17.02	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-07 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-01-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:22:32 DataFile Name : 029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3877	3694	3734	3768	2.56	cps
Lead	207-1	3447	3270	3360	3359	2.63	cps
Lead	208-1	15417	14640	14910	14989	2.63	cps
Lithium	6-1	1536977	1536420	1534909	1536102	0.07	cps
Magnesium	24-2	89066	90363	89441	89623	0.74	cps
Manganese	55-2	3407	3657	3497	3520	3.60	cps
Molybdenum	94-1	3734	3914	4127	3925	5.02	cps
Molybdenum	95-1	2370	2437	2404	2404	1.39	cps
Molybdenum	96-1	3024	3014	3060	3033	0.81	cps
Molybdenum	97-1	1657	1473	1430	1520	7.92	cps
Molybdenum	98-1	3697	3887	3794	3793	2.51	cps
Neodymium	150-1	3	7	13	8	65.47	cps
Neodymium	150-2	7	7	0	4	86.60	cps
Nickel	60-2	1613	1550	1593	1586	2.04	cps
Phosphorus	31-2	457	503	443	468	6.74	cps
Potassium	39-2	148644	148260	149280	148728	0.35	cps
Rhodium	103-1	10365024	10198487	10311074	10291528	0.83	cps
Rhodium	103-2	6702119	6659906	6626992	6663006	0.57	cps
Scandium	45-1	6216975	6141047	6111828	6156616	0.88	cps
Scandium	45-2	650896	647855	646891	648547	0.32	cps
Selenium	82-1	1196	1161	1011	1123	8.76	cps
Selenium	77-2	73	117	100	97	22.62	cps
Selenium	78-2	900	900	973	924	4.58	cps
Silicon	28-1	1189294	1181979	1209994	1193756	1.22	cps
Silver	107-1	5191	5214	5164	5190	0.48	cps
Silver	109-1	4901	5021	4994	4972	1.27	cps
Sodium	23-2	166537	166280	168066	166961	0.58	cps
Strontium	86-1	1570	1477	1590	1546	3.91	cps
Strontium	88-1	11304	11545	11501	11450	1.12	cps
Sulfur	34-1	174908	176324	174523	175252	0.54	cps
Terbium	159-1	14085904	13719002	13932008	13912305	1.32	cps
Terbium	159-2	10489808	10563076	10523889	10525591	0.35	cps
Thallium	203-1	3784	4197	4044	4008	5.21	cps
Thallium	205-1	8966	9393	9106	9155	2.38	cps
Tin	118-1	3857	4031	4051	3979	2.67	cps
Titanium	47-1	693	597	580	623	9.82	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-07 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-01-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:22:32 DataFile Name : 029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11312	11942	11342	11532	3.08	cps
Vanadium	51-2	1667	1613	1603	1628	2.09	cps
Yttrium	89-1	17093544	16891594	16948162	16977767	0.61	cps
Yttrium	89-2	5634933	5533486	5505071	5557830	1.23	cps
Zinc	66-2	1273	1203	1183	1220	3.87	cps
Zirconium	90-1	6718	6968	6958	6882	2.06	cps
Zirconium	91-1	1567	1597	1670	1611	3.30	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-08 Instrumnet Name : P7
Client Sample ID : LOQ-WATER-02-QT2-20 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:28:04 DataFile Name : 030LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5184	5551	7515	6084	20.61	cps
Antimony	121-1	19971	19917	20358	20082	1.20	cps
Arsenic	75-2	730	677	627	678	7.62	cps
Barium	135-1	25680	25853	25343	25625	1.01	cps
Barium	137-1	43573	43697	44098	43789	0.63	cps
Beryllium	9-1	1257	1250	1397	1301	6.37	cps
Bismuth	209-1	8384114	8169876	8104484	8219491	1.78	cps
Bismuth	209-2	7138870	7278768	7107610	7175083	1.27	cps
Bromine	81-1	14280	14507	13817	14201	2.48	cps
Bromine	81-2	153	153	140	149	5.17	cps
Cadmium	108-1	267	227	217	237	11.18	cps
Cadmium	106-1	6875	6478	6385	6579	3.96	cps
Cadmium	111-1	3885	3744	3766	3798	2.01	cps
Calcium	43-1	13920	14467	14651	14346	2.65	cps
Calcium	44-1	236578	240857	239232	238889	0.90	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12689	12772	12479	12647	1.20	cps
Cobalt	59-2	7489	7372	7719	7526	2.35	cps
Copper	63-2	11404	11404	11972	11593	2.82	cps
Dysprosium	156-1	13	13	0	9	86.60	cps
Dysprosium	156-2	7	10	10	9	21.63	cps
Erbium	164-1	80	73	53	69	20.15	cps
Erbium	164-2	70	37	40	49	37.55	cps
Gadolinium	160-1	53	40	40	44	17.32	cps
Gadolinium	160-2	557	523	527	536	3.43	cps
Holmium	165-1	13714856	13458211	13718020	13630362	1.09	cps
Holmium	165-2	10501883	10579965	10570204	10550684	0.40	cps
Indium	115-1	11120595	10924824	10748968	10931462	1.70	cps
Indium	115-2	4959017	5017462	4908826	4961768	1.10	cps
Iron	56-2	261377	258045	281512	266978	4.76	cps
Iron	57-2	7785	7949	8824	8186	6.82	cps
Iron	54-2	16486	15995	17262	16581	3.85	cps
Krypton	83-1	200	157	160	172	14.00	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-08 Instrumnet Name : P7
Client Sample ID : LOQ-WATER-02-QT2-20 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:28:04 DataFile Name : 030LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8042	7939	7746	7909	1.91	cps
Lead	207-1	7019	7115	7009	7047	0.84	cps
Lead	208-1	32108	32342	31184	31878	1.92	cps
Lithium	6-1	1485132	1470754	1449036	1468307	1.24	cps
Magnesium	24-2	224701	225500	235200	228467	2.56	cps
Manganese	55-2	4297	4251	4768	4439	6.44	cps
Molybdenum	94-1	21209	21546	21476	21410	0.83	cps
Molybdenum	95-1	26157	25552	25926	25879	1.18	cps
Molybdenum	96-1	28040	29540	28541	28707	2.66	cps
Molybdenum	97-1	15822	15709	15759	15763	0.36	cps
Molybdenum	98-1	40787	41469	41455	41237	0.95	cps
Neodymium	150-1	17	7	10	11	45.82	cps
Neodymium	150-2	0	10	3	4	114.60	cps
Nickel	60-2	2570	2507	2577	2551	1.51	cps
Phosphorus	31-2	767	813	870	817	6.34	cps
Potassium	39-2	386922	387051	394089	389354	1.05	cps
Rhodium	103-1	10534965	10435222	10205453	10391880	1.63	cps
Rhodium	103-2	6744596	6708085	6686505	6713062	0.44	cps
Scandium	45-1	6288530	6178913	6152748	6206730	1.16	cps
Scandium	45-2	648464	653442	649877	650594	0.39	cps
Selenium	82-1	1278	1247	1199	1241	3.19	cps
Selenium	77-2	133	143	110	129	13.27	cps
Selenium	78-2	1000	1137	977	1038	8.33	cps
Silicon	28-1	1241165	1257262	1257034	1251821	0.74	cps
Silver	107-1	12886	13179	13246	13104	1.46	cps
Silver	109-1	11531	12549	12075	12052	4.22	cps
Sodium	23-2	377120	376216	391843	381726	2.30	cps
Strontium	86-1	3644	3741	3764	3716	1.71	cps
Strontium	88-1	28478	29086	28401	28655	1.31	cps
Sulfur	34-1	175181	175602	177181	175988	0.60	cps
Terbium	159-1	14091951	13851229	13770883	13904688	1.20	cps
Terbium	159-2	10692844	10489977	10461774	10548199	1.20	cps
Thallium	203-1	9143	9207	9407	9252	1.49	cps
Thallium	205-1	21958	22168	22138	22088	0.51	cps
Tin	118-1	41998	43144	43288	42810	1.65	cps
Titanium	47-1	6408	6818	6762	6663	3.34	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-08 Instrumnet Name : P7
Client Sample ID : LOQ-WATER-02-QT2-20 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:28:04 DataFile Name : 030LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	27879	28460	28260	28200	1.05	cps
Vanadium	51-2	21522	21362	20955	21280	1.37	cps
Yttrium	89-1	17375568	17077926	16999204	17150899	1.16	cps
Yttrium	89-2	5597129	5579392	5562519	5579680	0.31	cps
Zinc	66-2	4811	4988	4687	4829	3.12	cps
Zirconium	90-1	17254	17290	17744	17429	1.57	cps
Zirconium	91-1	3791	4041	4061	3964	3.80	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-17 Instrumnet Name : P7
Client Sample ID : LLOQ-WATER-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:31:18 DataFile Name : 031LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5341	5681	5561	5528	3.12	cps
Antimony	121-1	20414	20278	20498	20397	0.55	cps
Arsenic	75-2	653	667	673	664	1.53	cps
Barium	135-1	25606	25676	25206	25496	1.00	cps
Barium	137-1	44947	44493	44148	44529	0.90	cps
Beryllium	9-1	1310	1333	1560	1401	9.86	cps
Bismuth	209-1	8005273	8156909	8169522	8110568	1.13	cps
Bismuth	209-2	7100867	7087402	7139390	7109220	0.38	cps
Bromine	81-1	13977	13326	14110	13804	3.04	cps
Bromine	81-2	157	150	193	167	14.00	cps
Cadmium	108-1	203	223	237	221	7.59	cps
Cadmium	106-1	6665	6752	6678	6698	0.70	cps
Cadmium	111-1	3731	3898	3824	3817	2.19	cps
Calcium	43-1	14314	15071	14434	14606	2.79	cps
Calcium	44-1	244735	240433	239150	241439	1.21	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12225	12702	12295	12407	2.08	cps
Cobalt	59-2	7749	7675	7655	7693	0.64	cps
Copper	63-2	11301	11461	11038	11267	1.90	cps
Dysprosium	156-1	7	7	17	10	57.72	cps
Dysprosium	156-2	7	10	13	10	33.30	cps
Erbium	164-1	100	57	37	64	50.23	cps
Erbium	164-2	53	70	50	58	18.55	cps
Gadolinium	160-1	50	53	80	61	26.91	cps
Gadolinium	160-2	557	633	610	600	6.55	cps
Holmium	165-1	13595636	13632389	13377212	13535079	1.02	cps
Holmium	165-2	10505562	10485279	10473136	10487992	0.16	cps
Indium	115-1	10869611	10823334	11004715	10899220	0.86	cps
Indium	115-2	4961650	5010595	4966959	4979734	0.54	cps
Iron	56-2	256978	259273	258821	258357	0.47	cps
Iron	57-2	7859	8026	8199	8028	2.12	cps
Iron	54-2	15728	16406	16609	16248	2.84	cps
Krypton	83-1	187	193	150	177	13.21	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-17 Instrumnet Name : P7
Client Sample ID : LLOQ-WATER-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:31:18 DataFile Name : 031LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	7866	8106	7986	7986	1.50	cps
Lead	207-1	6862	6912	7295	7023	3.38	cps
Lead	208-1	31511	32082	32065	31886	1.02	cps
Lithium	6-1	1494277	1435526	1466714	1465506	2.01	cps
Magnesium	24-2	223734	222832	222861	223142	0.23	cps
Manganese	55-2	4381	4384	4247	4337	1.80	cps
Molybdenum	94-1	21706	21973	20962	21547	2.43	cps
Molybdenum	95-1	26107	25486	25602	25732	1.28	cps
Molybdenum	96-1	28618	28678	28421	28572	0.47	cps
Molybdenum	97-1	16700	15735	15645	16027	3.65	cps
Molybdenum	98-1	40950	41074	42325	41450	1.83	cps
Neodymium	150-1	17	3	13	11	62.48	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	2704	2787	2834	2775	2.37	cps
Phosphorus	31-2	943	790	857	863	8.91	cps
Potassium	39-2	385256	386519	389377	387051	0.55	cps
Rhodium	103-1	10238121	10212786	10238893	10229934	0.15	cps
Rhodium	103-2	6724226	6660205	6825409	6736613	1.24	cps
Scandium	45-1	6137263	6083491	6148628	6123128	0.57	cps
Scandium	45-2	647984	647514	651546	649015	0.34	cps
Selenium	82-1	1220	1220	1361	1267	6.44	cps
Selenium	77-2	100	143	107	117	20.00	cps
Selenium	78-2	907	940	973	940	3.55	cps
Silicon	28-1	1281656	1303229	1282020	1288968	0.96	cps
Silver	107-1	13093	12806	13003	12967	1.13	cps
Silver	109-1	11975	11998	12439	12137	2.15	cps
Sodium	23-2	372943	371473	372333	372250	0.20	cps
Strontium	86-1	3530	3544	3407	3494	2.16	cps
Strontium	88-1	28534	28481	29757	28924	2.50	cps
Sulfur	34-1	177413	176061	173432	175635	1.15	cps
Terbium	159-1	13757063	13797171	13868241	13807491	0.41	cps
Terbium	159-2	10475482	10546383	10571657	10531174	0.47	cps
Thallium	203-1	9470	9430	9387	9429	0.44	cps
Thallium	205-1	22435	21788	21570	21931	2.05	cps
Tin	118-1	42098	42683	42583	42455	0.74	cps
Titanium	47-1	6578	6685	6288	6517	3.15	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-17 Instrumnet Name : P7
Client Sample ID : LLOQ-WATER-QT2-2024 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:31:18 DataFile Name : 031LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	28434	29356	28016	28602	2.40	cps
Vanadium	51-2	21058	21152	20674	20961	1.21	cps
Yttrium	89-1	16987662	16943712	17201838	17044404	0.81	cps
Yttrium	89-2	5586760	5576392	5630792	5597982	0.52	cps
Zinc	66-2	4817	4984	4931	4911	1.73	cps
Zirconium	90-1	16930	17450	17878	17419	2.73	cps
Zirconium	91-1	3747	4017	3817	3861	3.63	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-10 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-04-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:34:35 DataFile Name : 032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2267	2334	2517	2372	5.46	cps
Antimony	121-1	4107	4274	4044	4142	2.87	cps
Arsenic	75-2	243	273	277	264	6.94	cps
Barium	135-1	5121	5098	5194	5138	0.98	cps
Barium	137-1	9023	8673	8619	8772	2.50	cps
Beryllium	9-1	497	473	573	514	10.17	cps
Bismuth	209-1	8309170	8153975	8058323	8173823	1.55	cps
Bismuth	209-2	7328800	7317395	7302660	7316285	0.18	cps
Bromine	81-1	14354	14524	14848	14575	1.72	cps
Bromine	81-2	143	160	123	142	12.91	cps
Cadmium	108-1	57	80	113	83	34.18	cps
Cadmium	106-1	7082	6892	6358	6777	5.54	cps
Cadmium	111-1	2407	2402	2289	2366	2.82	cps
Calcium	43-1	5921	5878	6085	5961	1.83	cps
Calcium	44-1	100819	102396	101930	101715	0.80	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4994	4994	5124	5038	1.49	cps
Cobalt	59-2	3040	3140	3140	3107	1.86	cps
Copper	63-2	5668	5701	5714	5694	0.42	cps
Dysprosium	156-1	3	10	7	7	50.03	cps
Dysprosium	156-2	10	3	17	10	66.70	cps
Erbium	164-1	53	63	57	58	8.81	cps
Erbium	164-2	93	40	47	60	48.43	cps
Gadolinium	160-1	60	70	67	66	7.77	cps
Gadolinium	160-2	607	577	620	601	3.69	cps
Holmium	165-1	13895269	13560618	13346082	13600656	2.04	cps
Holmium	165-2	10707344	10784568	10658657	10716856	0.59	cps
Indium	115-1	11283641	11096896	11159424	11179987	0.85	cps
Indium	115-2	5017064	5015773	4989069	5007302	0.32	cps
Iron	56-2	174759	176860	176158	175926	0.61	cps
Iron	57-2	5444	5518	5661	5541	1.99	cps
Iron	54-2	11638	11384	11067	11363	2.52	cps
Krypton	83-1	183	250	170	201	21.31	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-10 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-04-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:34:35 DataFile Name : 032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3751	3617	3861	3743	3.26	cps
Lead	207-1	3030	3447	3244	3240	6.43	cps
Lead	208-1	14497	14940	14883	14773	1.63	cps
Lithium	6-1	1491271	1422401	1464175	1459282	2.38	cps
Magnesium	24-2	89072	91500	91855	90809	1.67	cps
Manganese	55-2	3400	3517	3637	3518	3.36	cps
Molybdenum	94-1	3917	3891	4194	4001	4.20	cps
Molybdenum	95-1	2374	2340	2527	2414	4.13	cps
Molybdenum	96-1	2994	2940	3084	3006	2.41	cps
Molybdenum	97-1	1427	1500	1583	1503	5.21	cps
Molybdenum	98-1	3824	3924	3851	3866	1.34	cps
Neodymium	150-1	3	10	0	4	114.60	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	1503	1533	1407	1481	4.47	cps
Phosphorus	31-2	387	560	517	488	18.49	cps
Potassium	39-2	150940	149384	150044	150123	0.52	cps
Rhodium	103-1	10557897	10341953	10447047	10448966	1.03	cps
Rhodium	103-2	6722191	6805898	6779107	6769066	0.63	cps
Scandium	45-1	6445487	6252668	6261455	6319870	1.72	cps
Scandium	45-2	659781	666238	657828	661282	0.67	cps
Selenium	82-1	1107	1197	1242	1182	5.84	cps
Selenium	77-2	157	127	113	132	16.79	cps
Selenium	78-2	1120	910	1030	1020	10.33	cps
Silicon	28-1	1265462	1286664	1260922	1271016	1.08	cps
Silver	107-1	5074	5328	5401	5268	3.26	cps
Silver	109-1	5064	5068	5184	5105	1.34	cps
Sodium	23-2	166692	168036	165973	166900	0.63	cps
Strontium	86-1	1693	1577	1680	1650	3.87	cps
Strontium	88-1	12095	11361	11938	11798	3.28	cps
Sulfur	34-1	175138	176617	176675	176143	0.49	cps
Terbium	159-1	14347862	13911466	13947443	14068924	1.72	cps
Terbium	159-2	10622337	10682892	10611427	10638885	0.36	cps
Thallium	203-1	3914	3661	3767	3781	3.37	cps
Thallium	205-1	9203	9563	9577	9448	2.24	cps
Tin	118-1	3894	4067	4011	3991	2.22	cps
Titanium	47-1	563	627	560	583	6.44	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-10 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-04-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:34:35 DataFile Name : 032SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11568	11348	11255	11391	1.41	cps
Vanadium	51-2	1697	1680	1823	1733	4.52	cps
Yttrium	89-1	17615468	17359168	17172689	17382442	1.28	cps
Yttrium	89-2	5650909	5693571	5730805	5691762	0.70	cps
Zinc	66-2	1183	1137	1257	1192	5.07	cps
Zirconium	90-1	6868	6975	7002	6948	1.02	cps
Zirconium	91-1	1450	1617	1487	1518	5.77	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-11 Instrumnet Name : P7
Client Sample ID : LOQ-WATER-05-QT2-20 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:38:03 DataFile Name : 033LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	5701	5491	5818	5670	2.92	cps
Antimony	121-1	20264	20491	20618	20458	0.88	cps
Arsenic	75-2	720	680	653	684	4.90	cps
Barium	135-1	25289	25429	25436	25385	0.33	cps
Barium	137-1	44529	44098	44483	44370	0.53	cps
Beryllium	9-1	1390	1223	1387	1333	7.15	cps
Bismuth	209-1	8205672	8180136	8329441	8238416	0.97	cps
Bismuth	209-2	7253336	7262805	7280454	7265532	0.19	cps
Bromine	81-1	14884	14380	14964	14743	2.15	cps
Bromine	81-2	143	97	173	138	28.04	cps
Cadmium	108-1	190	193	207	197	4.48	cps
Cadmium	106-1	6712	6762	6702	6725	0.48	cps
Cadmium	111-1	3690	4201	3856	3915	6.66	cps
Calcium	43-1	14951	14968	14744	14887	0.84	cps
Calcium	44-1	244886	245967	244145	245000	0.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12779	12672	12745	12732	0.43	cps
Cobalt	59-2	7782	7832	7349	7654	3.47	cps
Copper	63-2	12032	11645	11655	11777	1.87	cps
Dysprosium	156-1	13	10	10	11	17.30	cps
Dysprosium	156-2	13	23	10	16	44.60	cps
Erbium	164-1	50	63	57	57	11.76	cps
Erbium	164-2	43	43	60	49	19.69	cps
Gadolinium	160-1	50	83	40	58	39.27	cps
Gadolinium	160-2	620	547	627	598	7.43	cps
Holmium	165-1	13787506	13592109	13734301	13704639	0.74	cps
Holmium	165-2	10638965	10779421	10594453	10670946	0.90	cps
Indium	115-1	11179759	11018191	10984928	11060960	0.94	cps
Indium	115-2	5063389	5060558	5066436	5063461	0.06	cps
Iron	56-2	263034	262828	264983	263615	0.45	cps
Iron	57-2	8019	7905	8199	8041	1.84	cps
Iron	54-2	16803	16482	16733	16673	1.01	cps
Krypton	83-1	177	203	193	191	7.05	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-11 Instrumnet Name : P7
Client Sample ID : LOQ-WATER-05-QT2-20 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:38:03 DataFile Name : 033LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8276	7666	8113	8018	3.94	cps
Lead	207-1	7029	7202	7292	7174	1.87	cps
Lead	208-1	32225	32199	32816	32413	1.08	cps
Lithium	6-1	1500281	1462129	1428873	1463761	2.44	cps
Magnesium	24-2	227524	228519	228288	228111	0.23	cps
Manganese	55-2	4481	4351	4381	4404	1.55	cps
Molybdenum	94-1	21830	21359	22027	21738	1.58	cps
Molybdenum	95-1	26514	26845	26751	26703	0.64	cps
Molybdenum	96-1	29563	29690	28815	29356	1.61	cps
Molybdenum	97-1	16196	15692	16202	16030	1.83	cps
Molybdenum	98-1	42762	42806	42331	42633	0.62	cps
Neodymium	150-1	3	7	10	7	50.03	cps
Neodymium	150-2	13	10	13	12	15.73	cps
Nickel	60-2	2760	2760	2604	2708	3.34	cps
Phosphorus	31-2	837	790	793	807	3.23	cps
Potassium	39-2	400673	395619	398492	398261	0.64	cps
Rhodium	103-1	10539422	10434099	10603321	10525614	0.81	cps
Rhodium	103-2	6841304	6842848	6739912	6808021	0.87	cps
Scandium	45-1	6188666	6232138	6194314	6205039	0.38	cps
Scandium	45-2	667271	665402	660178	664284	0.55	cps
Selenium	82-1	1254	1293	1272	1273	1.52	cps
Selenium	77-2	57	80	113	83	34.18	cps
Selenium	78-2	940	950	977	956	1.98	cps
Silicon	28-1	1326538	1309838	1305816	1314064	0.84	cps
Silver	107-1	12906	13273	13323	13167	1.73	cps
Silver	109-1	12662	12082	12145	12296	2.59	cps
Sodium	23-2	380140	380891	378675	379902	0.30	cps
Strontium	86-1	3771	3897	3777	3815	1.87	cps
Strontium	88-1	29733	29576	29209	29506	0.91	cps
Sulfur	34-1	180320	180650	180991	180654	0.19	cps
Terbium	159-1	14214508	13961901	14297540	14157983	1.23	cps
Terbium	159-2	10763333	10786372	10672847	10740851	0.56	cps
Thallium	203-1	9537	9380	9353	9423	1.05	cps
Thallium	205-1	21995	21948	22335	22093	0.96	cps
Tin	118-1	43786	43749	43556	43697	0.28	cps
Titanium	47-1	6571	6498	6885	6652	3.09	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2403-11 Instrumnet Name : P7
Client Sample ID : LOQ-WATER-05-QT2-20 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:38:03 DataFile Name : 033LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	28006	29129	29085	28740	2.21	cps
Vanadium	51-2	21035	21843	21302	21393	1.92	cps
Yttrium	89-1	17280397	17376839	17340290	17332509	0.28	cps
Yttrium	89-2	5753383	5739592	5675933	5722969	0.72	cps
Zinc	66-2	5231	5214	4984	5143	2.68	cps
Zirconium	90-1	17818	18165	18148	18043	1.09	cps
Zirconium	91-1	3831	4101	4031	3987	3.52	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2409-01 Instrumnet Name : P7
Client Sample ID : MDL-WATER-QT2-2024- Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:41:20 DataFile Name : 034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2514	2287	2544	2448	5.73	cps
Antimony	121-1	4127	4291	4184	4201	1.97	cps
Arsenic	75-2	270	247	283	267	6.96	cps
Barium	135-1	5111	5151	4981	5081	1.75	cps
Barium	137-1	8653	8966	9123	8914	2.69	cps
Beryllium	9-1	497	560	623	560	11.31	cps
Bismuth	209-1	8422033	8216702	8201988	8280241	1.49	cps
Bismuth	209-2	7335043	7298352	7168756	7267384	1.20	cps
Bromine	81-1	15301	15785	15478	15522	1.58	cps
Bromine	81-2	153	133	123	137	11.18	cps
Cadmium	108-1	90	87	90	89	2.16	cps
Cadmium	106-1	7329	6855	6965	7050	3.52	cps
Cadmium	111-1	2429	2460	2340	2410	2.59	cps
Calcium	43-1	5741	5718	5888	5782	1.59	cps
Calcium	44-1	102454	103178	102144	102592	0.52	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4914	4994	4921	4943	0.90	cps
Cobalt	59-2	3220	2924	3070	3071	4.83	cps
Copper	63-2	5491	5708	5668	5622	2.05	cps
Dysprosium	156-1	3	17	10	10	66.70	cps
Dysprosium	156-2	17	10	10	12	31.50	cps
Erbium	164-1	43	73	83	67	31.23	cps
Erbium	164-2	63	50	40	51	22.90	cps
Gadolinium	160-1	80	33	60	58	40.53	cps
Gadolinium	160-2	637	570	600	602	5.54	cps
Holmium	165-1	13812020	13398734	13620742	13610499	1.52	cps
Holmium	165-2	10676786	10659991	10632102	10656293	0.21	cps
Indium	115-1	11435563	11295508	11002309	11244460	1.97	cps
Indium	115-2	5088918	5059578	5004977	5051158	0.84	cps
Iron	56-2	178449	176529	178047	177675	0.57	cps
Iron	57-2	5704	5835	6005	5848	2.57	cps
Iron	54-2	11618	11695	11825	11712	0.89	cps
Krypton	83-1	193	190	223	202	9.08	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2409-01 Instrumnet Name : P7
Client Sample ID : MDL-WATER-QT2-2024- Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:41:20 DataFile Name : 034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3761	3480	3727	3656	4.18	cps
Lead	207-1	3200	3247	2987	3145	4.41	cps
Lead	208-1	14800	14326	14777	14634	1.82	cps
Lithium	6-1	1482850	1503388	1460190	1482143	1.46	cps
Magnesium	24-2	92603	93022	90926	92184	1.20	cps
Manganese	55-2	3580	3537	3554	3557	0.61	cps
Molybdenum	94-1	4014	3947	3947	3969	0.97	cps
Molybdenum	95-1	2257	2374	2414	2348	3.47	cps
Molybdenum	96-1	3000	3090	3054	3048	1.48	cps
Molybdenum	97-1	1663	1553	1403	1540	8.48	cps
Molybdenum	98-1	3771	4094	3917	3927	4.12	cps
Neodymium	150-1	3	7	7	6	34.70	cps
Neodymium	150-2	0	7	7	4	86.60	cps
Nickel	60-2	1573	1663	1547	1595	3.83	cps
Phosphorus	31-2	563	490	490	514	8.23	cps
Potassium	39-2	150849	152175	150135	151053	0.69	cps
Rhodium	103-1	10720381	10558633	10496647	10591887	1.09	cps
Rhodium	103-2	6944679	6855814	6751737	6850743	1.41	cps
Scandium	45-1	6344362	6188933	6241205	6258166	1.26	cps
Scandium	45-2	660503	664003	659668	661391	0.35	cps
Selenium	82-1	1266	1148	1182	1199	5.06	cps
Selenium	77-2	107	127	110	114	9.36	cps
Selenium	78-2	1020	1020	950	997	4.05	cps
Silicon	28-1	1286622	1301602	1282896	1290374	0.77	cps
Silver	107-1	5341	5441	5531	5438	1.75	cps
Silver	109-1	5124	5304	5261	5230	1.80	cps
Sodium	23-2	166594	166829	164849	166091	0.65	cps
Strontium	86-1	1753	1697	1583	1678	5.16	cps
Strontium	88-1	11848	11908	12325	12027	2.16	cps
Sulfur	34-1	182499	182748	183993	183080	0.44	cps
Terbium	159-1	14413638	14145240	14032465	14197114	1.38	cps
Terbium	159-2	10773473	10653694	10526236	10651134	1.16	cps
Thallium	203-1	3927	3857	3967	3917	1.42	cps
Thallium	205-1	8833	8756	9207	8932	2.70	cps
Tin	118-1	3841	4114	3931	3962	3.52	cps
Titanium	47-1	577	653	627	619	6.29	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2409-01 Instrumnet Name : P7
Client Sample ID : MDL-WATER-QT2-2024- Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:41:20 DataFile Name : 034SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11522	11649	11632	11601	0.59	cps
Vanadium	51-2	1850	1713	1707	1757	4.61	cps
Yttrium	89-1	17607757	17456720	17407031	17490503	0.60	cps
Yttrium	89-2	5749797	5688860	5652865	5697174	0.86	cps
Zinc	66-2	1167	1180	1170	1172	0.59	cps
Zirconium	90-1	6918	7219	7419	7185	3.50	cps
Zirconium	91-1	1593	1573	1493	1553	3.41	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV002 Instrumnet Name : P7
Client Sample ID : CCV002 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:44:35 DataFile Name : 035CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13643765	13906034	13709989	13753263	0.99	cps
Antimony	121-1	5119607	5128095	5129188	5125630	0.10	cps
Arsenic	75-2	292816	292635	293428	292960	0.14	cps
Barium	135-1	6503712	6484218	6518636	6502189	0.27	cps
Barium	137-1	11277961	11128866	11081127	11162651	0.92	cps
Beryllium	9-1	635680	639627	645300	640202	0.76	cps
Bismuth	209-1	7683915	7717048	7757048	7719337	0.47	cps
Bismuth	209-2	6591514	6584729	6576093	6584112	0.12	cps
Bromine	81-1	13486	13490	12912	13296	2.50	cps
Bromine	81-2	80	137	107	108	26.30	cps
Cadmium	108-1	93633	92733	92459	92942	0.66	cps
Cadmium	106-1	138378	135673	137901	137317	1.05	cps
Cadmium	111-1	1158010	1164640	1170870	1164507	0.55	cps
Calcium	43-1	6516340	6616583	6555324	6562749	0.77	cps
Calcium	44-1	107224622	108479652	106465408	107389894	0.95	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2264315	2262923	2271111	2266116	0.19	cps
Cobalt	59-2	3294294	3279730	3344320	3306115	1.02	cps
Copper	63-2	20460079	20325548	20335742	20373790	0.37	cps
Dysprosium	156-1	277	267	233	259	8.76	cps
Dysprosium	156-2	557	570	610	579	4.79	cps
Erbium	164-1	283	297	387	322	17.44	cps
Erbium	164-2	190	223	230	214	9.99	cps
Gadolinium	160-1	237	237	233	236	0.82	cps
Gadolinium	160-2	627	690	753	690	9.18	cps
Holmium	165-1	13620666	13397991	13499692	13506116	0.83	cps
Holmium	165-2	10479751	10361808	10415585	10419048	0.57	cps
Indium	115-1	10116138	10123859	10078431	10106143	0.24	cps
Indium	115-2	4440851	4473020	4474411	4462760	0.43	cps
Iron	56-2	517069059	510553726	519988352	515870379	0.94	cps
Iron	57-2	13038194	12759851	13044112	12947386	1.25	cps
Iron	54-2	27952654	28057946	28441234	28150611	0.91	cps
Krypton	83-1	157	193	200	183	12.73	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV002 Instrumnet Name : P7
Client Sample ID : CCV002 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:44:35 DataFile Name : 035CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18893954	19299890	19326586	19173477	1.26	cps
Lead	207-1	17162979	17386563	17415506	17321683	0.80	cps
Lead	208-1	77153367	78186020	78709426	78016271	1.01	cps
Lithium	6-1	1555630	1555341	1546341	1552437	0.34	cps
Magnesium	24-2	112758122	112923742	112556552	112746138	0.16	cps
Manganese	55-2	18319413	18131212	18471257	18307294	0.93	cps
Molybdenum	94-1	17369976	17623570	17694024	17562523	0.97	cps
Molybdenum	95-1	25054884	25248385	25113708	25138992	0.39	cps
Molybdenum	96-1	27808476	27723067	27827320	27786288	0.20	cps
Molybdenum	97-1	15806282	15769437	15788015	15787911	0.12	cps
Molybdenum	98-1	40972415	40657423	41239581	40956473	0.71	cps
Neodymium	150-1	557	417	450	474	15.41	cps
Neodymium	150-2	180	180	207	189	8.15	cps
Nickel	60-2	779013	783542	785742	782766	0.44	cps
Phosphorus	31-2	125533	126645	128621	126933	1.23	cps
Potassium	39-2	73784041	74453969	74535557	74257856	0.56	cps
Rhodium	103-1	8968741	9027306	9038587	9011545	0.42	cps
Rhodium	103-2	5793166	5724354	5784534	5767351	0.65	cps
Scandium	45-1	5824050	5764603	5645147	5744600	1.59	cps
Scandium	45-2	603319	602456	608199	604658	0.51	cps
Selenium	82-1	73542	73400	73241	73395	0.21	cps
Selenium	77-2	9647	9810	9727	9728	0.84	cps
Selenium	78-2	33929	33257	33324	33503	1.10	cps
Silicon	28-1	10083192	9926447	10050021	10019887	0.82	cps
Silver	107-1	6162849	6208341	6098288	6156493	0.90	cps
Silver	109-1	5873036	5799911	5840493	5837813	0.63	cps
Sodium	23-2	175600224	174461571	175240624	175100806	0.33	cps
Strontium	86-1	1710955	1708958	1692657	1704190	0.59	cps
Strontium	88-1	14834937	14961220	14894891	14897016	0.42	cps
Sulfur	34-1	508598	503067	500736	504134	0.80	cps
Terbium	159-1	13816586	13718795	13590116	13708499	0.83	cps
Terbium	159-2	10309887	10202877	10198821	10237195	0.62	cps
Thallium	203-1	5023028	4936259	5014990	4991426	0.96	cps
Thallium	205-1	11783835	11830145	12009227	11874402	1.00	cps
Tin	118-1	4222844	4253247	4260533	4245541	0.47	cps
Titanium	47-1	6226298	6226014	6106436	6186249	1.12	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV002 Instrumnet Name : P7
Client Sample ID : CCV002 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:44:35 DataFile Name : 035CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16366814	16545328	16625487	16512543	0.80	cps
Vanadium	51-2	2028100	2076569	2075207	2059959	1.34	cps
Yttrium	89-1	16293474	16086226	16216756	16198819	0.65	cps
Yttrium	89-2	5134184	5117051	5087316	5112851	0.46	cps
Zinc	66-2	3840002	3829163	3826135	3831767	0.19	cps
Zirconium	90-1	8747831	8633904	8591203	8657646	0.94	cps
Zirconium	91-1	1945250	1937421	1936740	1939804	0.24	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB002 Instrumnet Name : P7
Client Sample ID : CCB002 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:47:18 DataFile Name : 036CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	583	453	527	521	12.51	cps
Antimony	121-1	2484	1923	1443	1950	26.69	cps
Arsenic	75-2	27	13	7	16	65.47	cps
Barium	135-1	1460	750	437	882	59.43	cps
Barium	137-1	2374	1160	643	1392	63.79	cps
Beryllium	9-1	310	187	173	223	33.74	cps
Bismuth	209-1	8312625	8316038	8313707	8314123	0.02	cps
Bismuth	209-2	7238684	7321557	7369154	7309799	0.90	cps
Bromine	81-1	13003	13303	13206	13170	1.16	cps
Bromine	81-2	117	87	63	89	30.08	cps
Cadmium	108-1	37	27	30	31	16.37	cps
Cadmium	106-1	6348	6135	6065	6182	2.39	cps
Cadmium	111-1	1647	1435	1335	1473	10.82	cps
Calcium	43-1	2000	1470	1023	1498	32.64	cps
Calcium	44-1	38416	26016	19823	28085	33.71	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	757	913	757	809	11.18	cps
Cobalt	59-2	200	123	167	163	23.53	cps
Copper	63-2	2397	2410	2104	2304	7.53	cps
Dysprosium	156-1	10	10	3	8	49.52	cps
Dysprosium	156-2	10	7	3	7	50.03	cps
Erbium	164-1	67	53	60	60	11.12	cps
Erbium	164-2	57	77	47	60	25.46	cps
Gadolinium	160-1	53	50	53	52	3.68	cps
Gadolinium	160-2	553	587	540	560	4.29	cps
Holmium	165-1	13492391	13501103	13441759	13478418	0.24	cps
Holmium	165-2	10354983	10569976	10596340	10507100	1.26	cps
Indium	115-1	10723124	10608772	10666240	10666045	0.54	cps
Indium	115-2	4769138	4805471	4774528	4783046	0.41	cps
Iron	56-2	43794	40588	38506	40962	6.50	cps
Iron	57-2	1943	1950	1843	1912	3.12	cps
Iron	54-2	3887	3774	3761	3807	1.83	cps
Krypton	83-1	183	180	200	188	5.71	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB002 Instrumnet Name : P7
Client Sample ID : CCB002 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:47:18 DataFile Name : 036CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5121	3120	2064	3435	45.21	cps
Lead	207-1	4728	2600	1860	3063	48.60	cps
Lead	208-1	21200	12122	7998	13773	49.04	cps
Lithium	6-1	1593836	1634035	1642649	1623507	1.60	cps
Magnesium	24-2	2797	2374	2027	2399	16.08	cps
Manganese	55-2	680	713	530	641	15.23	cps
Molybdenum	94-1	4577	2754	1757	3029	47.22	cps
Molybdenum	95-1	6415	3494	1994	3967	56.67	cps
Molybdenum	96-1	6942	4064	2180	4395	54.56	cps
Molybdenum	97-1	4057	2147	1337	2514	55.57	cps
Molybdenum	98-1	10397	5648	3354	6466	55.56	cps
Neodymium	150-1	13	10	7	10	33.30	cps
Neodymium	150-2	3	0	10	4	114.60	cps
Nickel	60-2	270	320	313	301	9.02	cps
Phosphorus	31-2	383	330	373	362	7.83	cps
Potassium	39-2	66702	66237	65882	66273	0.62	cps
Rhodium	103-1	9845447	9766863	9850184	9820831	0.48	cps
Rhodium	103-2	6490579	6415978	6402539	6436366	0.74	cps
Scandium	45-1	5729358	5773460	5750112	5750977	0.38	cps
Scandium	45-2	611395	617501	617387	615428	0.57	cps
Selenium	82-1	455	409	325	396	16.67	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	513	540	550	534	3.55	cps
Silicon	28-1	744235	744429	742052	743572	0.18	cps
Silver	107-1	1970	1150	837	1319	44.38	cps
Silver	109-1	2114	1070	710	1298	56.17	cps
Sodium	23-2	48202	46319	45079	46533	3.38	cps
Strontium	86-1	653	477	390	507	26.49	cps
Strontium	88-1	3270	1953	1120	2115	51.27	cps
Sulfur	34-1	155091	155558	157236	155962	0.72	cps
Terbium	159-1	13912592	14079107	13928929	13973543	0.66	cps
Terbium	159-2	10549181	10525992	10470449	10515208	0.38	cps
Thallium	203-1	1450	910	583	981	44.61	cps
Thallium	205-1	3460	2057	1573	2364	41.47	cps
Tin	118-1	2477	2094	1763	2111	16.91	cps
Titanium	47-1	1520	787	350	886	66.77	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB002 Instrumnet Name : P7
Client Sample ID : CCB002 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:47:18 DataFile Name : 036CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3387	1733	863	1995	64.27	cps
Vanadium	51-2	47	30	43	40	22.05	cps
Yttrium	89-1	16121031	16381554	16366915	16289833	0.90	cps
Yttrium	89-2	5313816	5318462	5307735	5313338	0.10	cps
Zinc	66-2	750	750	837	779	6.42	cps
Zirconium	90-1	2897	1863	1440	2067	36.26	cps
Zirconium	91-1	620	463	297	460	35.15	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2409-03 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-QT2-2024-03 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:50:33 DataFile Name : 037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2270	2367	2377	2338	2.52	cps
Antimony	121-1	4381	4437	4401	4406	0.65	cps
Arsenic	75-2	340	310	247	299	15.94	cps
Barium	135-1	5054	4814	4908	4925	2.46	cps
Barium	137-1	8733	8476	8786	8665	1.91	cps
Beryllium	9-1	617	660	633	637	3.43	cps
Bismuth	209-1	8586011	8359931	8301719	8415887	1.78	cps
Bismuth	209-2	7363952	7266177	7269444	7299858	0.76	cps
Bromine	81-1	13586	13857	13673	13705	1.01	cps
Bromine	81-2	143	110	140	131	14.00	cps
Cadmium	108-1	110	93	83	96	14.10	cps
Cadmium	106-1	6475	6812	6195	6494	4.76	cps
Cadmium	111-1	2275	2367	2317	2320	1.99	cps
Calcium	43-1	5905	5838	5638	5793	2.40	cps
Calcium	44-1	96678	97152	97424	97085	0.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4614	4671	4697	4661	0.91	cps
Cobalt	59-2	3000	3054	2964	3006	1.51	cps
Copper	63-2	5484	5541	5438	5488	0.94	cps
Dysprosium	156-1	0	10	20	10	100.00	cps
Dysprosium	156-2	13	0	13	9	86.60	cps
Erbium	164-1	77	83	80	80	4.16	cps
Erbium	164-2	43	53	37	44	18.87	cps
Gadolinium	160-1	63	47	47	52	18.42	cps
Gadolinium	160-2	563	513	587	554	6.76	cps
Holmium	165-1	13806015	13617959	13415300	13613091	1.44	cps
Holmium	165-2	10645217	10453673	10563075	10553988	0.91	cps
Indium	115-1	10960172	10905374	10684639	10850062	1.34	cps
Indium	115-2	4795271	4844320	4816205	4818599	0.51	cps
Iron	56-2	167616	168991	166396	167668	0.77	cps
Iron	57-2	5268	5184	5144	5199	1.21	cps
Iron	54-2	11141	10941	10614	10898	2.44	cps
Krypton	83-1	203	220	163	196	14.89	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2409-03 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-QT2-2024-03 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:50:33 DataFile Name : 037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3754	4081	3941	3925	4.18	cps
Lead	207-1	3594	3420	3287	3434	4.48	cps
Lead	208-1	15717	15837	15300	15618	1.80	cps
Lithium	6-1	1599450	1628217	1621800	1616489	0.93	cps
Magnesium	24-2	90440	88144	89173	89252	1.29	cps
Manganese	55-2	3630	3537	3427	3532	2.88	cps
Molybdenum	94-1	3927	3891	3801	3873	1.68	cps
Molybdenum	95-1	2597	2514	2234	2448	7.78	cps
Molybdenum	96-1	3070	2980	3010	3020	1.52	cps
Molybdenum	97-1	1500	1560	1660	1573	5.14	cps
Molybdenum	98-1	3991	3781	3987	3919	3.07	cps
Neodymium	150-1	3	10	13	9	57.30	cps
Neodymium	150-2	3	3	7	4	43.40	cps
Nickel	60-2	1487	1390	1400	1426	3.73	cps
Phosphorus	31-2	510	423	447	460	9.75	cps
Potassium	39-2	143465	140992	142240	142232	0.87	cps
Rhodium	103-1	10268369	10078111	9906100	10084193	1.80	cps
Rhodium	103-2	6541092	6561461	6453016	6518523	0.88	cps
Scandium	45-1	6040987	5929730	5946392	5972370	1.00	cps
Scandium	45-2	630692	626931	621422	626348	0.74	cps
Selenium	82-1	1054	1095	1073	1074	1.93	cps
Selenium	77-2	110	107	73	97	20.98	cps
Selenium	78-2	807	880	847	844	4.35	cps
Silicon	28-1	760121	762772	768965	763953	0.59	cps
Silver	107-1	5241	5421	5361	5341	1.72	cps
Silver	109-1	4954	4991	5074	5006	1.23	cps
Sodium	23-2	169707	169936	169411	169684	0.16	cps
Strontium	86-1	1577	1677	1607	1620	3.17	cps
Strontium	88-1	11071	11208	11218	11165	0.73	cps
Sulfur	34-1	160176	163729	163686	162530	1.25	cps
Terbium	159-1	14177066	14142141	13937321	14085510	0.92	cps
Terbium	159-2	10681446	10559095	10466168	10568903	1.02	cps
Thallium	203-1	3711	4044	4051	3935	4.94	cps
Thallium	205-1	9287	9500	9980	9589	3.71	cps
Tin	118-1	3997	4161	4037	4065	2.09	cps
Titanium	47-1	543	583	637	588	7.97	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : P2409-03 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-QT2-2024-03 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:50:33 DataFile Name : 037SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	12035	12149	12246	12143	0.87	cps
Vanadium	51-2	1573	1633	1687	1631	3.48	cps
Yttrium	89-1	17082735	16763395	16626344	16824158	1.39	cps
Yttrium	89-2	5394218	5411987	5316734	5374313	0.94	cps
Zinc	66-2	1253	1120	1167	1180	5.73	cps
Zirconium	90-1	6625	7289	7158	7024	5.01	cps
Zirconium	91-1	1410	1543	1587	1513	6.08	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166399BL Instrumnet Name : P7
Client Sample ID : PBW399 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:53:51 DataFile Name : 038CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	127	167	173	156	16.23	cps
Antimony	121-1	153	147	197	166	16.40	cps
Arsenic	75-2	3	7	10	7	50.03	cps
Barium	135-1	47	43	60	50	17.64	cps
Barium	137-1	113	47	100	87	40.70	cps
Beryllium	9-1	83	93	83	87	6.66	cps
Bismuth	209-1	8278077	8381200	8396414	8351897	0.77	cps
Bismuth	209-2	7205531	7231546	7082386	7173154	1.11	cps
Bromine	81-1	14060	13636	13963	13887	1.60	cps
Bromine	81-2	143	167	127	146	13.80	cps
Cadmium	108-1	17	7	10	11	45.82	cps
Cadmium	106-1	6522	6221	6231	6325	2.70	cps
Cadmium	111-1	1329	1280	1273	1294	2.39	cps
Calcium	43-1	300	397	350	349	13.86	cps
Calcium	44-1	9273	9506	9436	9405	1.27	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2854	2687	2884	2808	3.77	cps
Cobalt	59-2	120	127	150	132	11.91	cps
Copper	63-2	1850	1800	1750	1800	2.78	cps
Dysprosium	156-1	7	13	10	10	33.30	cps
Dysprosium	156-2	3	3	20	9	108.30	cps
Erbium	164-1	87	87	63	79	17.08	cps
Erbium	164-2	40	50	47	46	11.18	cps
Gadolinium	160-1	50	40	57	49	17.16	cps
Gadolinium	160-2	500	603	473	526	13.07	cps
Holmium	165-1	13587915	13444619	13394312	13475615	0.75	cps
Holmium	165-2	10442578	10470048	10326179	10412935	0.73	cps
Indium	115-1	10833593	10704236	10886869	10808233	0.87	cps
Indium	115-2	4825130	4825751	4859968	4836950	0.41	cps
Iron	56-2	26901	26570	26467	26646	0.85	cps
Iron	57-2	1603	1537	1710	1617	5.41	cps
Iron	54-2	3320	3150	3387	3286	3.71	cps
Krypton	83-1	193	180	167	180	7.41	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166399BL Instrumnet Name : P7
Client Sample ID : PBW399 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:53:51 DataFile Name : 038CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	693	690	853	746	12.52	cps
Lead	207-1	620	633	590	614	3.61	cps
Lead	208-1	2940	3017	2977	2978	1.29	cps
Lithium	6-1	1595261	1604679	1557848	1585929	1.56	cps
Magnesium	24-2	773	780	813	789	2.72	cps
Manganese	55-2	373	420	373	389	6.93	cps
Molybdenum	94-1	473	427	453	451	5.19	cps
Molybdenum	95-1	483	387	380	417	13.88	cps
Molybdenum	96-1	583	500	503	529	8.92	cps
Molybdenum	97-1	263	210	270	248	13.27	cps
Molybdenum	98-1	783	647	680	703	10.13	cps
Neodymium	150-1	3	0	3	2	86.60	cps
Neodymium	150-2	13	7	10	10	33.30	cps
Nickel	60-2	853	710	830	798	9.64	cps
Phosphorus	31-2	400	303	373	359	13.91	cps
Potassium	39-2	65684	65764	64010	65153	1.52	cps
Rhodium	103-1	10040284	10047425	10144870	10077526	0.58	cps
Rhodium	103-2	6502703	6492509	6577006	6524073	0.71	cps
Scandium	45-1	5958767	5945299	5959551	5954539	0.13	cps
Scandium	45-2	633997	623882	626193	628024	0.84	cps
Selenium	82-1	480	419	395	431	10.10	cps
Selenium	77-2	0	3	7	3	100.05	cps
Selenium	78-2	583	553	640	592	7.43	cps
Silicon	28-1	772685	774499	783028	776737	0.71	cps
Silver	107-1	190	197	190	192	2.00	cps
Silver	109-1	103	167	117	129	25.91	cps
Sodium	23-2	30490	30119	29872	30161	1.03	cps
Strontium	86-1	370	273	350	331	15.41	cps
Strontium	88-1	147	210	163	173	18.94	cps
Sulfur	34-1	169148	168052	168417	168539	0.33	cps
Terbium	159-1	13734906	13796907	13868729	13800181	0.49	cps
Terbium	159-2	10567170	10440838	10462300	10490103	0.64	cps
Thallium	203-1	277	240	230	249	9.87	cps
Thallium	205-1	633	597	610	613	3.03	cps
Tin	118-1	600	600	687	629	7.96	cps
Titanium	47-1	130	57	87	91	40.46	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166399BL Instrumnet Name : P7
Client Sample ID : PBW399 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 15:53:51 DataFile Name : 038CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13	7	27	16	65.47	cps
Vanadium	51-2	10	7	13	10	33.30	cps
Yttrium	89-1	16634609	16660970	16546807	16614129	0.36	cps
Yttrium	89-2	5483438	5342948	5438787	5421725	1.32	cps
Zinc	66-2	473	453	407	444	7.70	cps
Zirconium	90-1	730	660	610	667	9.04	cps
Zirconium	91-1	133	133	137	134	1.43	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166400BL Instrumnet Name : P7
Client Sample ID : PBS400 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:00:22 DataFile Name : 040CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	167	167	193	176	8.77	cps
Antimony	121-1	73	80	53	69	20.15	cps
Arsenic	75-2	20	0	7	9	114.55	cps
Barium	135-1	33	60	43	46	29.58	cps
Barium	137-1	97	80	70	82	16.39	cps
Beryllium	9-1	77	60	57	64	16.63	cps
Bismuth	209-1	8329046	8145067	8131269	8201794	1.35	cps
Bismuth	209-2	7233127	7169796	7233002	7211975	0.51	cps
Bromine	81-1	13670	13666	13777	13704	0.46	cps
Bromine	81-2	163	173	137	158	12.01	cps
Cadmium	108-1	23	10	13	16	44.60	cps
Cadmium	106-1	6645	6235	6131	6337	4.29	cps
Cadmium	111-1	1343	1280	1247	1290	3.77	cps
Calcium	43-1	380	387	353	373	4.72	cps
Calcium	44-1	9453	9606	9547	9535	0.81	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2910	2787	2824	2840	2.23	cps
Cobalt	59-2	140	113	110	121	13.58	cps
Copper	63-2	1550	1640	1690	1627	4.36	cps
Dysprosium	156-1	0	0	7	2	173.21	cps
Dysprosium	156-2	7	3	3	4	43.40	cps
Erbium	164-1	57	63	50	57	11.76	cps
Erbium	164-2	40	67	37	48	34.42	cps
Gadolinium	160-1	27	50	23	33	43.59	cps
Gadolinium	160-2	593	627	587	602	3.56	cps
Holmium	165-1	13546644	13339524	13286568	13390912	1.03	cps
Holmium	165-2	10516199	10518410	10544393	10526334	0.15	cps
Indium	115-1	10673484	10779112	10797807	10750135	0.62	cps
Indium	115-2	4862961	4903326	4907121	4891136	0.50	cps
Iron	56-2	26493	26837	26584	26638	0.67	cps
Iron	57-2	1753	1730	1563	1682	6.16	cps
Iron	54-2	3127	3224	3044	3131	2.88	cps
Krypton	83-1	163	160	203	176	13.74	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166400BL Instrumnet Name : P7
Client Sample ID : PBS400 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:00:22 DataFile Name : 040CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	777	693	737	736	5.67	cps
Lead	207-1	663	633	623	640	3.25	cps
Lead	208-1	2987	2817	2867	2890	3.02	cps
Lithium	6-1	1533206	1555394	1529627	1539409	0.91	cps
Magnesium	24-2	840	793	800	811	3.11	cps
Manganese	55-2	383	303	453	380	19.75	cps
Molybdenum	94-1	523	467	447	479	8.30	cps
Molybdenum	95-1	413	393	340	382	9.92	cps
Molybdenum	96-1	417	520	393	443	15.21	cps
Molybdenum	97-1	223	227	223	224	0.86	cps
Molybdenum	98-1	630	640	537	602	9.46	cps
Neodymium	150-1	7	7	7	7	0.00	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	777	750	767	764	1.76	cps
Phosphorus	31-2	380	397	357	378	5.32	cps
Potassium	39-2	66983	65587	65918	66163	1.10	cps
Rhodium	103-1	10022792	10155800	10051021	10076538	0.70	cps
Rhodium	103-2	6520950	6568637	6569357	6552981	0.42	cps
Scandium	45-1	6019559	5994867	5981189	5998539	0.32	cps
Scandium	45-2	634361	636243	632052	634219	0.33	cps
Selenium	82-1	434	418	389	414	5.50	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	523	597	510	543	8.59	cps
Silicon	28-1	816213	821524	824819	820852	0.53	cps
Silver	107-1	210	197	197	201	3.83	cps
Silver	109-1	137	163	163	154	9.97	cps
Sodium	23-2	28183	27795	27535	27837	1.17	cps
Strontium	86-1	330	347	310	329	5.58	cps
Strontium	88-1	190	213	170	191	11.35	cps
Sulfur	34-1	173822	171803	170368	171998	1.01	cps
Terbium	159-1	13790467	13817581	13841522	13816523	0.18	cps
Terbium	159-2	10450715	10349920	10509825	10436820	0.77	cps
Thallium	203-1	260	243	220	241	8.33	cps
Thallium	205-1	677	570	600	616	8.94	cps
Tin	118-1	583	563	577	574	1.77	cps
Titanium	47-1	77	77	107	87	19.98	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166400BL Instrumnet Name : P7
Client Sample ID : PBS400 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:00:22 DataFile Name : 040CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	7	23	7	12	78.69	cps
Vanadium	51-2	27	10	13	17	52.93	cps
Yttrium	89-1	16708245	16547198	16664426	16639957	0.50	cps
Yttrium	89-2	5459393	5401260	5474000	5444884	0.71	cps
Zinc	66-2	413	490	350	418	16.78	cps
Zirconium	90-1	753	727	727	736	2.09	cps
Zirconium	91-1	170	137	170	159	12.11	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166399BS Instrumnet Name : P7
Client Sample ID : LCS399 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:12:03 DataFile Name : 042LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11214	11027	10921	11054	1.34	cps
Antimony	121-1	39434	38669	39554	39219	1.22	cps
Arsenic	75-2	1347	1293	1310	1317	2.07	cps
Barium	135-1	48907	48633	48736	48759	0.28	cps
Barium	137-1	84650	84549	85042	84747	0.31	cps
Beryllium	9-1	2527	2487	2727	2580	4.98	cps
Bismuth	209-1	8427445	8150708	8159032	8245728	1.91	cps
Bismuth	209-2	7346240	7255458	7199766	7267155	1.02	cps
Bromine	81-1	13903	14314	14624	14280	2.53	cps
Bromine	81-2	147	187	150	161	13.78	cps
Cadmium	108-1	407	410	383	400	3.63	cps
Cadmium	106-1	6748	6522	6702	6657	1.80	cps
Cadmium	111-1	6199	6172	6270	6213	0.81	cps
Calcium	43-1	27265	27328	26877	27157	0.90	cps
Calcium	44-1	446249	449817	454001	450022	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20664	20865	20658	20729	0.57	cps
Cobalt	59-2	14027	14090	13917	14011	0.63	cps
Copper	63-2	21345	21429	21075	21283	0.87	cps
Dysprosium	156-1	7	7	7	7	0.00	cps
Dysprosium	156-2	3	20	17	13	66.16	cps
Erbium	164-1	63	63	97	74	25.86	cps
Erbium	164-2	47	50	47	48	4.02	cps
Gadolinium	160-1	67	63	50	60	14.70	cps
Gadolinium	160-2	543	557	547	549	1.26	cps
Holmium	165-1	13688740	13452911	13363963	13501871	1.24	cps
Holmium	165-2	10670743	10550837	10536044	10585874	0.70	cps
Indium	115-1	11074610	11023120	11044060	11047264	0.23	cps
Indium	115-2	4964610	4969344	4919912	4951289	0.55	cps
Iron	56-2	1781986	1748607	1747045	1759213	1.12	cps
Iron	57-2	46936	45813	45542	46097	1.60	cps
Iron	54-2	99556	99734	99805	99698	0.13	cps
Krypton	83-1	190	167	197	184	8.54	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166399BS Instrumnet Name : P7
Client Sample ID : LCS399 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:12:03 DataFile Name : 042LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	15175	15165	15746	15362	2.16	cps
Lead	207-1	13600	13727	13867	13731	0.97	cps
Lead	208-1	61465	61729	62673	61956	1.03	cps
Lithium	6-1	1475832	1491635	1518613	1495360	1.45	cps
Magnesium	24-2	413555	416077	413690	414440	0.34	cps
Manganese	55-2	8192	8156	8016	8121	1.15	cps
Molybdenum	94-1	40733	39871	40716	40440	1.22	cps
Molybdenum	95-1	49547	48764	49530	49280	0.91	cps
Molybdenum	96-1	54906	55913	55950	55590	1.07	cps
Molybdenum	97-1	31450	30866	31364	31227	1.01	cps
Molybdenum	98-1	80587	81291	80131	80670	0.72	cps
Neodymium	150-1	3	7	10	7	50.03	cps
Neodymium	150-2	3	0	7	3	100.05	cps
Nickel	60-2	4304	4117	4247	4223	2.27	cps
Phosphorus	31-2	1070	1127	1023	1073	4.82	cps
Potassium	39-2	683148	690130	682403	685227	0.62	cps
Rhodium	103-1	10380762	10229138	10197435	10269112	0.95	cps
Rhodium	103-2	6751351	6711840	6648818	6704003	0.77	cps
Scandium	45-1	6100658	6122773	6186859	6136763	0.73	cps
Scandium	45-2	645333	650075	645032	646813	0.44	cps
Selenium	82-1	2002	2042	1864	1969	4.74	cps
Selenium	77-2	253	217	210	227	10.30	cps
Selenium	78-2	1350	1327	1273	1317	2.98	cps
Silicon	28-1	1280381	1276580	1294327	1283762	0.73	cps
Silver	107-1	24801	25055	24634	24830	0.85	cps
Silver	109-1	23416	24107	24073	23865	1.63	cps
Sodium	23-2	704411	698798	699125	700778	0.45	cps
Strontium	86-1	6562	6478	6608	6549	1.01	cps
Strontium	88-1	55799	55926	56451	56059	0.62	cps
Sulfur	34-1	174810	176752	175758	175773	0.55	cps
Terbium	159-1	13986668	14036803	13872259	13965243	0.60	cps
Terbium	159-2	10626881	10640250	10636513	10634548	0.06	cps
Thallium	203-1	18536	18383	18209	18376	0.89	cps
Thallium	205-1	43248	42787	43760	43265	1.13	cps
Tin	118-1	81774	82783	82763	82440	0.70	cps
Titanium	47-1	13032	13122	13543	13233	2.06	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166399BS Instrumnet Name : P7
Client Sample ID : LCS399 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:12:03 DataFile Name : 042LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	55816	55980	54852	55550	1.10	cps
Vanadium	51-2	41741	41273	41036	41350	0.87	cps
Yttrium	89-1	16941576	17100048	17045289	17028971	0.47	cps
Yttrium	89-2	5568991	5592010	5575594	5578865	0.21	cps
Zinc	66-2	9203	9170	9036	9136	0.97	cps
Zirconium	90-1	33144	33986	33635	33588	1.26	cps
Zirconium	91-1	7569	7335	7532	7479	1.68	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166400BS Instrumnet Name : P7
Client Sample ID : LCS400 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:15:17 DataFile Name : 043LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	11114	10590	10877	10861	2.41	cps
Antimony	121-1	37495	38715	38592	38267	1.75	cps
Arsenic	75-2	1320	1197	1340	1286	6.04	cps
Barium	135-1	47124	47599	47556	47426	0.55	cps
Barium	137-1	83084	82263	82896	82748	0.52	cps
Beryllium	9-1	2490	2454	2514	2486	1.22	cps
Bismuth	209-1	8334290	8144693	8300637	8259873	1.22	cps
Bismuth	209-2	7368239	7149276	7280142	7265885	1.52	cps
Bromine	81-1	13813	14621	14287	14240	2.85	cps
Bromine	81-2	187	200	153	180	13.35	cps
Cadmium	108-1	380	380	437	399	8.20	cps
Cadmium	106-1	7522	6762	7349	7211	5.53	cps
Cadmium	111-1	6159	6231	6102	6164	1.05	cps
Calcium	43-1	26994	26607	26760	26787	0.73	cps
Calcium	44-1	443681	439771	440080	441177	0.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20094	19373	19917	19794	1.90	cps
Cobalt	59-2	14073	13610	13603	13762	1.96	cps
Copper	63-2	20711	20457	20858	20675	0.98	cps
Dysprosium	156-1	17	10	7	11	45.82	cps
Dysprosium	156-2	10	3	3	6	69.34	cps
Erbium	164-1	73	73	67	71	5.41	cps
Erbium	164-2	50	40	47	46	11.18	cps
Gadolinium	160-1	50	67	53	57	15.57	cps
Gadolinium	160-2	503	593	530	542	8.53	cps
Holmium	165-1	13710891	13335350	13525999	13524080	1.39	cps
Holmium	165-2	10754620	10708449	10672840	10711970	0.38	cps
Indium	115-1	11115835	11096586	11213478	11141967	0.56	cps
Indium	115-2	5012644	4911731	5002674	4975683	1.12	cps
Iron	56-2	1722917	1723326	1719117	1721786	0.13	cps
Iron	57-2	44613	45281	44118	44671	1.31	cps
Iron	54-2	96664	97865	96265	96931	0.86	cps
Krypton	83-1	140	230	210	193	24.44	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166400BS Instrumnet Name : P7
Client Sample ID : LCS400 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:15:17 DataFile Name : 043LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	15479	15092	15395	15322	1.33	cps
Lead	207-1	13033	13604	13554	13397	2.36	cps
Lead	208-1	60112	60466	61120	60566	0.84	cps
Lithium	6-1	1534545	1525138	1538488	1532723	0.45	cps
Magnesium	24-2	401996	402506	400104	401535	0.32	cps
Manganese	55-2	7449	7915	7582	7649	3.14	cps
Molybdenum	94-1	38938	39503	40783	39742	2.38	cps
Molybdenum	95-1	48222	48784	48607	48538	0.59	cps
Molybdenum	96-1	54535	54063	54361	54319	0.44	cps
Molybdenum	97-1	30094	30539	30345	30326	0.73	cps
Molybdenum	98-1	78355	78710	78593	78553	0.23	cps
Neodymium	150-1	10	13	10	11	17.30	cps
Neodymium	150-2	7	17	0	8	107.84	cps
Nickel	60-2	3941	4221	4087	4083	3.43	cps
Phosphorus	31-2	1087	1080	1023	1063	3.27	cps
Potassium	39-2	671720	666613	668720	669018	0.38	cps
Rhodium	103-1	10622234	10393114	10433468	10482938	1.17	cps
Rhodium	103-2	6738034	6690435	6653309	6693926	0.63	cps
Scandium	45-1	6202568	6114925	6015061	6110851	1.54	cps
Scandium	45-2	651777	649641	649604	650341	0.19	cps
Selenium	82-1	2053	1945	1983	1994	2.73	cps
Selenium	77-2	233	200	247	227	10.61	cps
Selenium	78-2	1343	1377	1240	1320	5.40	cps
Silicon	28-1	1309294	1293939	1288644	1297292	0.83	cps
Silver	107-1	23956	24571	24641	24389	1.54	cps
Silver	109-1	23162	23469	23512	23381	0.82	cps
Sodium	23-2	686345	674995	677892	679744	0.87	cps
Strontium	86-1	6198	6351	6431	6327	1.87	cps
Strontium	88-1	54651	54765	55293	54903	0.62	cps
Sulfur	34-1	177980	179156	179837	178991	0.52	cps
Terbium	159-1	14069456	13913268	13978275	13987000	0.56	cps
Terbium	159-2	10835005	10459390	10586679	10627025	1.80	cps
Thallium	203-1	17732	17912	17558	17734	1.00	cps
Thallium	205-1	42851	42309	42560	42573	0.64	cps
Tin	118-1	78978	80232	79907	79705	0.82	cps
Titanium	47-1	12949	13209	12809	12989	1.56	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166400BS Instrumnet Name : P7
Client Sample ID : LCS400 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:15:17 DataFile Name : 043LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	55174	54293	55729	55065	1.31	cps
Vanadium	51-2	39518	39458	39856	39611	0.54	cps
Yttrium	89-1	17105053	17008806	17072807	17062222	0.29	cps
Yttrium	89-2	5661277	5532899	5570524	5588233	1.18	cps
Zinc	66-2	8763	8753	8813	8776	0.37	cps
Zirconium	90-1	32509	33238	33388	33045	1.42	cps
Zirconium	91-1	7335	7138	7522	7332	2.62	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166396BL Instrumnet Name : P7
Client Sample ID : PBW396 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:18:33 DataFile Name : 044CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	227	207	200	211	6.57	cps
Antimony	121-1	63	57	30	50	35.28	cps
Arsenic	75-2	10	17	7	11	45.82	cps
Barium	135-1	53	77	50	60	24.22	cps
Barium	137-1	93	70	77	80	15.02	cps
Beryllium	9-1	63	53	43	53	18.75	cps
Bismuth	209-1	8335435	8327943	8355498	8339625	0.17	cps
Bismuth	209-2	7251109	7235104	7188048	7224754	0.45	cps
Bromine	81-1	14310	14244	14587	14380	1.27	cps
Bromine	81-2	147	193	123	154	23.08	cps
Cadmium	108-1	10	7	17	11	45.82	cps
Cadmium	106-1	6932	6678	6562	6724	2.81	cps
Cadmium	111-1	1399	1341	1314	1351	3.23	cps
Calcium	43-1	420	350	417	396	9.98	cps
Calcium	44-1	10087	10264	10124	10158	0.92	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3027	3017	2957	3000	1.26	cps
Cobalt	59-2	143	117	130	130	10.26	cps
Copper	63-2	1713	1720	1743	1726	0.91	cps
Dysprosium	156-1	3	13	7	8	65.47	cps
Dysprosium	156-2	13	7	3	8	65.47	cps
Erbium	164-1	67	40	77	61	31.02	cps
Erbium	164-2	43	30	57	43	30.77	cps
Gadolinium	160-1	27	30	53	37	39.62	cps
Gadolinium	160-2	597	607	437	547	17.45	cps
Holmium	165-1	13670458	13488579	13378146	13512394	1.09	cps
Holmium	165-2	10573464	10586351	10416824	10525546	0.90	cps
Indium	115-1	11134401	11033518	10953115	11040345	0.82	cps
Indium	115-2	4947540	4938163	4850629	4912110	1.09	cps
Iron	56-2	27762	27495	27435	27564	0.63	cps
Iron	57-2	1693	1773	1787	1751	2.88	cps
Iron	54-2	3467	3254	3377	3366	3.18	cps
Krypton	83-1	170	147	140	152	10.35	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166396BL Instrumnet Name : P7
Client Sample ID : PBW396 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:18:33 DataFile Name : 044CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	653	607	600	620	4.69	cps
Lead	207-1	577	553	530	553	4.22	cps
Lead	208-1	2607	2513	2557	2559	1.83	cps
Lithium	6-1	1541059	1537952	1531481	1536830	0.32	cps
Magnesium	24-2	880	853	777	837	6.41	cps
Manganese	55-2	363	413	353	377	8.53	cps
Molybdenum	94-1	430	370	427	409	8.25	cps
Molybdenum	95-1	330	323	350	334	4.15	cps
Molybdenum	96-1	423	477	370	423	12.60	cps
Molybdenum	97-1	223	253	190	222	14.26	cps
Molybdenum	98-1	527	587	590	568	6.28	cps
Neodymium	150-1	7	3	3	4	43.40	cps
Neodymium	150-2	0	10	3	4	114.60	cps
Nickel	60-2	827	833	750	803	5.76	cps
Phosphorus	31-2	473	423	377	424	11.39	cps
Potassium	39-2	67445	68633	68001	68027	0.87	cps
Rhodium	103-1	10497980	10451188	10321600	10423590	0.88	cps
Rhodium	103-2	6747263	6655941	6626922	6676709	0.94	cps
Scandium	45-1	6318562	6124945	6170154	6204554	1.63	cps
Scandium	45-2	643518	648956	649303	647259	0.50	cps
Selenium	82-1	491	504	485	493	2.00	cps
Selenium	77-2	0	7	3	3	100.05	cps
Selenium	78-2	603	640	583	609	4.72	cps
Silicon	28-1	1199450	1209722	1210110	1206427	0.50	cps
Silver	107-1	243	247	203	231	10.43	cps
Silver	109-1	197	140	187	174	17.34	cps
Sodium	23-2	25091	24967	24750	24936	0.69	cps
Strontium	86-1	327	337	347	337	2.97	cps
Strontium	88-1	200	190	170	187	8.18	cps
Sulfur	34-1	179153	180040	184043	181079	1.44	cps
Terbium	159-1	14160449	13998216	14020616	14059760	0.63	cps
Terbium	159-2	10616478	10725648	10642766	10661631	0.53	cps
Thallium	203-1	213	213	263	230	12.55	cps
Thallium	205-1	477	520	430	476	9.47	cps
Tin	118-1	740	683	717	713	3.99	cps
Titanium	47-1	97	100	100	99	1.94	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166396BL Instrumnet Name : P7
Client Sample ID : PBW396 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:18:33 DataFile Name : 044CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33	27	23	28	18.33	cps
Vanadium	51-2	20	7	10	12	56.76	cps
Yttrium	89-1	17228638	17016256	16858045	17034313	1.09	cps
Yttrium	89-2	5601579	5607171	5592857	5600536	0.13	cps
Zinc	66-2	470	430	467	456	4.87	cps
Zirconium	90-1	753	780	667	733	8.08	cps
Zirconium	91-1	170	143	127	147	14.90	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166396BS Instrumnet Name : P7
Client Sample ID : LCS396 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:21:47 DataFile Name : 045LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2750305	2721108	2722429	2731280	0.60	cps
Antimony	121-1	5505349	5478954	5393102	5459135	1.08	cps
Arsenic	75-2	310547	308956	305385	308296	0.86	cps
Barium	135-1	6748598	6713720	6672577	6711632	0.57	cps
Barium	137-1	11562848	11393522	11475403	11477258	0.74	cps
Beryllium	9-1	668248	671893	674594	671578	0.47	cps
Bismuth	209-1	8161072	8254434	8174829	8196778	0.61	cps
Bismuth	209-2	7053416	7049399	7046319	7049711	0.05	cps
Bromine	81-1	13213	12859	12899	12990	1.49	cps
Bromine	81-2	107	87	100	98	10.41	cps
Cadmium	108-1	100884	100609	99364	100286	0.81	cps
Cadmium	106-1	148018	149365	147025	148136	0.79	cps
Cadmium	111-1	1273451	1278503	1261028	1270994	0.71	cps
Calcium	43-1	1386487	1358155	1321367	1355337	2.41	cps
Calcium	44-1	22137086	21961913	21752190	21950396	0.88	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2347094	2297705	2318230	2321010	1.07	cps
Cobalt	59-2	3449441	3460137	3426040	3445206	0.51	cps
Copper	63-2	22242746	22431727	22355427	22343300	0.43	cps
Dysprosium	156-1	113	110	147	123	16.44	cps
Dysprosium	156-2	380	500	467	449	13.80	cps
Erbium	164-1	130	90	163	128	28.74	cps
Erbium	164-2	130	90	110	110	18.18	cps
Gadolinium	160-1	113	77	83	91	21.43	cps
Gadolinium	160-2	523	560	540	541	3.39	cps
Holmium	165-1	13685995	13546396	13609876	13614089	0.51	cps
Holmium	165-2	10413297	10345795	10501120	10420071	0.75	cps
Indium	115-1	10650669	10576898	10414623	10547397	1.14	cps
Indium	115-2	4600844	4537604	4505790	4548079	1.06	cps
Iron	56-2	105848722	105265525	104879475	105331241	0.46	cps
Iron	57-2	2635378	2644057	2605753	2628396	0.76	cps
Iron	54-2	5813678	5753678	5790555	5785970	0.52	cps
Krypton	83-1	163	190	133	162	17.47	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166396BS Instrumnet Name : P7
Client Sample ID : LCS396 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:21:47 DataFile Name : 045LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	20423112	20488203	20086778	20332698	1.06	cps
Lead	207-1	18322628	18542352	18203921	18356300	0.94	cps
Lead	208-1	82537692	83067821	81733927	82446480	0.81	cps
Lithium	6-1	1611246	1626674	1604379	1614100	0.71	cps
Magnesium	24-2	22498528	22323580	22011697	22277935	1.11	cps
Manganese	55-2	19031726	18900574	18867407	18933236	0.46	cps
Molybdenum	94-1	18481673	18250787	18169526	18300662	0.88	cps
Molybdenum	95-1	26629735	26077965	26013077	26240259	1.29	cps
Molybdenum	96-1	29054785	28748538	28635001	28812775	0.75	cps
Molybdenum	97-1	16479371	16361434	16004030	16281612	1.52	cps
Molybdenum	98-1	42433161	42722406	41324214	42159927	1.75	cps
Neodymium	150-1	437	427	357	407	10.72	cps
Neodymium	150-2	143	113	130	129	11.66	cps
Nickel	60-2	846058	835841	839942	840613	0.61	cps
Phosphorus	31-2	130907	130917	130292	130705	0.27	cps
Potassium	39-2	14770631	14853408	14832609	14818882	0.29	cps
Rhodium	103-1	9755564	9746528	9437473	9646522	1.88	cps
Rhodium	103-2	6152909	6078167	6057587	6096221	0.82	cps
Scandium	45-1	5962621	5831534	5715778	5836644	2.12	cps
Scandium	45-2	603807	603820	603012	603547	0.08	cps
Selenium	82-1	80818	80978	79797	80531	0.80	cps
Selenium	77-2	10771	10937	10534	10747	1.89	cps
Selenium	78-2	36224	35913	35045	35727	1.71	cps
Silicon	28-1	10443009	10144385	10102309	10229901	1.82	cps
Silver	107-1	6845735	6749778	6626662	6740725	1.63	cps
Silver	109-1	6501172	6519060	6328217	6449483	1.63	cps
Sodium	23-2	35931918	35594065	35036475	35520819	1.27	cps
Strontium	86-1	1777933	1734196	1703992	1738707	2.14	cps
Strontium	88-1	15653038	15465040	15198217	15438765	1.48	cps
Sulfur	34-1	538809	528747	518751	528769	1.90	cps
Terbium	159-1	14005069	13936252	13775333	13905551	0.85	cps
Terbium	159-2	10626280	10446809	10295410	10456166	1.58	cps
Thallium	203-1	5263700	5236422	5252477	5250866	0.26	cps
Thallium	205-1	12561412	12436771	12608455	12535546	0.71	cps
Tin	118-1	4511115	4466323	4399637	4459025	1.26	cps
Titanium	47-1	6642128	6507150	6314352	6487877	2.54	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166396BS Instrumnet Name : P7
Client Sample ID : LCS396 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:21:47 DataFile Name : 045LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16388792	16625796	16697916	16570835	0.98	cps
Vanadium	51-2	2085170	2048057	2050503	2061243	1.01	cps
Yttrium	89-1	16875324	16589534	16311732	16592197	1.70	cps
Yttrium	89-2	5273713	5261258	5196034	5243669	0.80	cps
Zinc	66-2	4271891	4258558	4229707	4253385	0.51	cps
Zirconium	90-1	9000129	8818077	8872333	8896847	1.05	cps
Zirconium	91-1	2003485	1960619	1972836	1978980	1.12	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166397BL Instrumnet Name : P7
Client Sample ID : PBS397 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:24:28 DataFile Name : 046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	317	273	350	313	12.27	cps
Antimony	121-1	2270	1830	1363	1821	24.90	cps
Arsenic	75-2	40	33	30	34	14.78	cps
Barium	135-1	1293	920	627	947	35.30	cps
Barium	137-1	2414	1497	867	1592	48.85	cps
Beryllium	9-1	177	230	153	187	21.05	cps
Bismuth	209-1	8482222	8347006	8463949	8431059	0.87	cps
Bismuth	209-2	7282889	7227653	7156102	7222215	0.88	cps
Bromine	81-1	12612	12592	12842	12682	1.10	cps
Bromine	81-2	137	103	90	110	21.85	cps
Cadmium	108-1	43	30	17	30	44.43	cps
Cadmium	106-1	6271	6211	6465	6316	2.10	cps
Cadmium	111-1	1564	1371	1388	1441	7.41	cps
Calcium	43-1	700	520	380	533	30.08	cps
Calcium	44-1	13196	11428	10941	11855	10.01	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2624	2744	2824	2730	3.69	cps
Cobalt	59-2	340	290	293	308	9.08	cps
Copper	63-2	2924	2634	2464	2674	8.70	cps
Dysprosium	156-1	3	10	3	6	69.34	cps
Dysprosium	156-2	7	7	17	10	57.72	cps
Erbium	164-1	77	73	77	76	2.55	cps
Erbium	164-2	33	47	37	39	17.85	cps
Gadolinium	160-1	43	47	47	46	4.23	cps
Gadolinium	160-2	517	600	513	543	9.04	cps
Holmium	165-1	13580462	13515629	13403557	13499883	0.66	cps
Holmium	165-2	10510061	10359768	10317124	10395651	0.97	cps
Indium	115-1	10654591	10703633	10470462	10609562	1.16	cps
Indium	115-2	4724482	4636453	4659728	4673554	0.98	cps
Iron	56-2	30304	29302	28420	29342	3.21	cps
Iron	57-2	1527	1680	1667	1625	5.23	cps
Iron	54-2	3247	3197	3194	3213	0.93	cps
Krypton	83-1	173	190	167	177	6.80	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166397BL Instrumnet Name : P7
Client Sample ID : PBS397 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:24:28 DataFile Name : 046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4601	3000	2230	3277	36.90	cps
Lead	207-1	4017	2577	2000	2865	36.27	cps
Lead	208-1	18535	12096	9158	13263	36.16	cps
Lithium	6-1	1646870	1601443	1611428	1619914	1.47	cps
Magnesium	24-2	1670	1653	1480	1601	6.57	cps
Manganese	55-2	1260	1127	1003	1130	11.36	cps
Molybdenum	94-1	4504	3034	2330	3289	33.72	cps
Molybdenum	95-1	6141	3967	2834	4314	38.96	cps
Molybdenum	96-1	6638	4574	3100	4771	37.25	cps
Molybdenum	97-1	3881	2374	1780	2678	40.43	cps
Molybdenum	98-1	9740	6475	4698	6971	36.69	cps
Neodymium	150-1	13	3	3	7	86.65	cps
Neodymium	150-2	3	7	3	4	43.40	cps
Nickel	60-2	783	877	877	846	6.37	cps
Phosphorus	31-2	380	360	323	354	8.11	cps
Potassium	39-2	62307	62019	63264	62530	1.04	cps
Rhodium	103-1	9924206	9853342	9795619	9857722	0.65	cps
Rhodium	103-2	6402276	6375467	6310270	6362671	0.74	cps
Scandium	45-1	5759572	5758773	5741564	5753303	0.18	cps
Scandium	45-2	605758	605567	609540	606955	0.37	cps
Selenium	82-1	400	390	435	408	5.73	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	550	543	683	592	13.34	cps
Silicon	28-1	747815	744901	742144	744953	0.38	cps
Silver	107-1	2044	1367	1070	1493	33.41	cps
Silver	109-1	1790	1220	860	1290	36.35	cps
Sodium	23-2	29458	29979	29341	29593	1.15	cps
Strontium	86-1	617	520	430	522	17.88	cps
Strontium	88-1	3010	1850	1373	2078	40.52	cps
Sulfur	34-1	152108	152293	150239	151547	0.75	cps
Terbium	159-1	13862928	13780252	13696112	13779764	0.61	cps
Terbium	159-2	10458225	10341057	10326280	10375187	0.70	cps
Thallium	203-1	1323	860	677	953	34.96	cps
Thallium	205-1	2967	2020	1643	2210	30.85	cps
Tin	118-1	1577	1180	953	1237	25.51	cps
Titanium	47-1	1257	820	547	874	40.95	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166397BL Instrumnet Name : P7
Client Sample ID : PBS397 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:24:28 DataFile Name : 046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3164	1867	1287	2106	45.64	cps
Vanadium	51-2	153	97	110	120	24.69	cps
Yttrium	89-1	16474687	16432236	16200553	16369159	0.90	cps
Yttrium	89-2	5311925	5238648	5226437	5259003	0.88	cps
Zinc	66-2	720	587	600	636	11.55	cps
Zirconium	90-1	2537	1923	1340	1933	30.95	cps
Zirconium	91-1	540	367	313	407	29.14	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166397BS Instrumnet Name : P7
Client Sample ID : LCS397 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:27:44 DataFile Name : 047LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2752388	2709165	2705393	2722315	0.96	cps
Antimony	121-1	5441684	5484856	5516151	5480897	0.68	cps
Arsenic	75-2	309511	309440	310330	309760	0.16	cps
Barium	135-1	6717128	6800852	6757793	6758591	0.62	cps
Barium	137-1	11583687	11637432	11637654	11619591	0.27	cps
Beryllium	9-1	660535	671951	675468	669318	1.17	cps
Bismuth	209-1	8573358	8314061	8185172	8357530	2.37	cps
Bismuth	209-2	7028067	6941738	7010897	6993567	0.65	cps
Bromine	81-1	12689	13063	12509	12753	2.21	cps
Bromine	81-2	57	107	117	93	34.44	cps
Cadmium	108-1	99089	101831	100958	100626	1.39	cps
Cadmium	106-1	148123	147676	148328	148042	0.23	cps
Cadmium	111-1	1255714	1271374	1281504	1269531	1.02	cps
Calcium	43-1	1332103	1340558	1353782	1342147	0.81	cps
Calcium	44-1	21696050	21937628	21845017	21826232	0.56	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2350712	2360580	2348547	2353280	0.27	cps
Cobalt	59-2	3497065	3534502	3453835	3495134	1.15	cps
Copper	63-2	22652559	22515310	22271096	22479655	0.86	cps
Dysprosium	156-1	117	157	150	141	15.19	cps
Dysprosium	156-2	410	380	477	422	11.72	cps
Erbium	164-1	160	137	113	137	17.07	cps
Erbium	164-2	87	73	120	93	25.75	cps
Gadolinium	160-1	100	77	120	99	21.93	cps
Gadolinium	160-2	577	607	480	554	11.94	cps
Holmium	165-1	14080161	13572417	13666874	13773151	1.96	cps
Holmium	165-2	10425002	10417472	10437069	10426514	0.09	cps
Indium	115-1	10760939	10414275	10333671	10502961	2.16	cps
Indium	115-2	4537122	4593677	4544712	4558503	0.67	cps
Iron	56-2	105913392	107607365	105843265	106454674	0.94	cps
Iron	57-2	2669511	2683051	2653181	2668581	0.56	cps
Iron	54-2	5901381	5821559	5788105	5837015	1.00	cps
Krypton	83-1	167	147	177	163	9.35	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166397BS Instrumnet Name : P7
Client Sample ID : LCS397 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:27:44 DataFile Name : 047LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	20309225	20648713	20674763	20544234	0.99	cps
Lead	207-1	18119360	18705408	18677935	18500901	1.79	cps
Lead	208-1	82275036	84169570	83405678	83283428	1.14	cps
Lithium	6-1	1661334	1607336	1597982	1622217	2.11	cps
Magnesium	24-2	22353146	22363398	22350347	22355630	0.03	cps
Manganese	55-2	19145203	19164828	19026758	19112263	0.39	cps
Molybdenum	94-1	18269869	18253088	18218057	18247005	0.14	cps
Molybdenum	95-1	26141854	26222214	26122448	26162172	0.20	cps
Molybdenum	96-1	28496270	28914250	28801419	28737313	0.75	cps
Molybdenum	97-1	16199776	16443544	16237622	16293647	0.81	cps
Molybdenum	98-1	41825795	42496055	41851993	42057948	0.90	cps
Neodymium	150-1	387	400	487	424	12.79	cps
Neodymium	150-2	83	140	123	116	25.20	cps
Nickel	60-2	846429	850464	845761	847551	0.30	cps
Phosphorus	31-2	131623	132433	130931	131662	0.57	cps
Potassium	39-2	14946780	14862734	14918004	14909173	0.29	cps
Rhodium	103-1	9881151	9424455	9465475	9590360	2.63	cps
Rhodium	103-2	6094396	6137241	6061131	6097589	0.63	cps
Scandium	45-1	6075783	5753966	5716212	5848654	3.38	cps
Scandium	45-2	605846	603673	596582	602033	0.80	cps
Selenium	82-1	79958	81037	80995	80663	0.76	cps
Selenium	77-2	10707	10631	10871	10736	1.14	cps
Selenium	78-2	36652	36732	36946	36777	0.41	cps
Silicon	28-1	10684078	10905922	10798160	10796053	1.03	cps
Silver	107-1	6659716	6849494	6741965	6750392	1.41	cps
Silver	109-1	6416570	6467131	6359947	6414550	0.84	cps
Sodium	23-2	35501394	35108097	35367986	35325826	0.57	cps
Strontium	86-1	1743431	1753960	1738280	1745224	0.46	cps
Strontium	88-1	15242738	15395776	15385175	15341230	0.56	cps
Sulfur	34-1	508171	515485	511097	511584	0.72	cps
Terbium	159-1	14422801	13884897	13982650	14096783	2.03	cps
Terbium	159-2	10397238	10423094	10373147	10397826	0.24	cps
Thallium	203-1	5357841	5428140	5356696	5380892	0.76	cps
Thallium	205-1	12662478	12832422	12607114	12700671	0.92	cps
Tin	118-1	4419103	4482830	4484510	4462147	0.84	cps
Titanium	47-1	6348993	6424678	6288693	6354121	1.07	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166397BS Instrumnet Name : P7
Client Sample ID : LCS397 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:27:44 DataFile Name : 047LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16561652	17163064	17039319	16921345	1.88	cps
Vanadium	51-2	2078503	2081331	2092364	2084066	0.35	cps
Yttrium	89-1	17024961	16581351	16494983	16700432	1.70	cps
Yttrium	89-2	5248461	5191192	5195040	5211564	0.61	cps
Zinc	66-2	4236382	4280476	4242833	4253230	0.56	cps
Zirconium	90-1	8827607	8974448	8865937	8889331	0.86	cps
Zirconium	91-1	1954830	1987590	1981120	1974513	0.88	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166398BL Instrumnet Name : P7
Client Sample ID : PBW398 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:30:24 DataFile Name : 048CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	200	187	220	202	8.30	cps
Antimony	121-1	1510	1177	1083	1257	17.85	cps
Arsenic	75-2	7	10	3	7	50.03	cps
Barium	135-1	433	253	180	289	45.12	cps
Barium	137-1	733	440	297	490	45.43	cps
Beryllium	9-1	183	170	143	166	12.30	cps
Bismuth	209-1	8417975	8223425	8351876	8331092	1.19	cps
Bismuth	209-2	7194833	7201784	7168568	7188395	0.24	cps
Bromine	81-1	13660	13523	12996	13393	2.62	cps
Bromine	81-2	160	170	150	160	6.25	cps
Cadmium	108-1	30	23	33	29	17.63	cps
Cadmium	106-1	6328	6488	5995	6270	4.02	cps
Cadmium	111-1	1401	1365	1259	1342	5.51	cps
Calcium	43-1	303	300	357	320	9.94	cps
Calcium	44-1	8749	8216	7885	8283	5.26	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3027	2690	2657	2791	7.33	cps
Cobalt	59-2	193	187	170	183	6.56	cps
Copper	63-2	2010	1903	1957	1957	2.73	cps
Dysprosium	156-1	7	10	10	9	21.63	cps
Dysprosium	156-2	7	0	0	2	173.21	cps
Erbium	164-1	90	43	67	67	35.00	cps
Erbium	164-2	70	47	33	50	37.12	cps
Gadolinium	160-1	57	97	40	64	45.19	cps
Gadolinium	160-2	520	553	547	540	3.27	cps
Holmium	165-1	13365394	13440444	13327877	13377905	0.43	cps
Holmium	165-2	10496317	10319126	10446123	10420522	0.88	cps
Indium	115-1	10692607	10561619	10560411	10604879	0.72	cps
Indium	115-2	4714253	4718301	4695991	4709515	0.25	cps
Iron	56-2	26320	26560	25789	26223	1.51	cps
Iron	57-2	1480	1623	1540	1548	4.65	cps
Iron	54-2	3030	2954	2894	2959	2.32	cps
Krypton	83-1	177	173	150	167	8.72	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166398BL Instrumnet Name : P7
Client Sample ID : PBW398 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:30:24 DataFile Name : 048CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2134	1620	1250	1668	26.60	cps
Lead	207-1	1850	1360	1110	1440	26.14	cps
Lead	208-1	8384	6021	5047	6484	26.47	cps
Lithium	6-1	1572847	1561662	1559680	1564730	0.45	cps
Magnesium	24-2	987	1057	903	982	7.82	cps
Manganese	55-2	630	550	657	612	9.07	cps
Molybdenum	94-1	1997	1423	1227	1549	25.83	cps
Molybdenum	95-1	2877	1920	1343	2047	37.84	cps
Molybdenum	96-1	3140	2184	1823	2382	28.57	cps
Molybdenum	97-1	1863	1203	943	1337	35.48	cps
Molybdenum	98-1	4824	3127	2394	3448	36.16	cps
Neodymium	150-1	0	3	0	1	173.21	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	827	700	757	761	8.34	cps
Phosphorus	31-2	347	367	290	334	11.89	cps
Potassium	39-2	63070	62595	61801	62489	1.03	cps
Rhodium	103-1	9763985	9891555	9727211	9794251	0.88	cps
Rhodium	103-2	6320112	6379800	6348658	6349524	0.47	cps
Scandium	45-1	5763412	5747996	5758142	5756517	0.14	cps
Scandium	45-2	605594	607032	602617	605081	0.37	cps
Selenium	82-1	416	391	393	400	3.46	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	503	480	480	488	2.76	cps
Silicon	28-1	742223	744922	742142	743095	0.21	cps
Silver	107-1	983	707	570	753	27.95	cps
Silver	109-1	1000	640	527	722	34.22	cps
Sodium	23-2	29221	29458	28523	29067	1.67	cps
Strontium	86-1	377	323	343	348	7.75	cps
Strontium	88-1	1123	643	460	742	46.15	cps
Sulfur	34-1	149778	148779	149762	149440	0.38	cps
Terbium	159-1	13782637	13734587	13667478	13728234	0.42	cps
Terbium	159-2	10366556	10267282	10278774	10304204	0.53	cps
Thallium	203-1	700	487	450	546	24.75	cps
Thallium	205-1	1657	1213	1060	1310	23.65	cps
Tin	118-1	903	583	700	729	22.22	cps
Titanium	47-1	507	273	243	341	42.26	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166398BL Instrumnet Name : P7
Client Sample ID : PBW398 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:30:24 DataFile Name : 048CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	983	547	363	631	50.47	cps
Vanadium	51-2	43	33	37	38	13.48	cps
Yttrium	89-1	16241030	16249181	16226000	16238737	0.07	cps
Yttrium	89-2	5234246	5272882	5175526	5227551	0.94	cps
Zinc	66-2	387	357	320	354	9.42	cps
Zirconium	90-1	1440	1097	1007	1181	19.36	cps
Zirconium	91-1	263	240	217	240	9.72	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166398BS Instrumnet Name : P7
Client Sample ID : LCS398 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:41:41 DataFile Name : 051DLCW.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2765285	2711357	2704045	2726896	1.23	cps
Antimony	121-1	5496751	5504748	5585299	5528932	0.89	cps
Arsenic	75-2	312734	309212	310023	310656	0.59	cps
Barium	135-1	6772072	6815113	6891963	6826382	0.89	cps
Barium	137-1	11897133	11626783	11797546	11773820	1.16	cps
Beryllium	9-1	644945	654212	653660	650939	0.80	cps
Bismuth	209-1	8215953	8238805	8268108	8240955	0.32	cps
Bismuth	209-2	7042323	7015788	7090607	7049572	0.54	cps
Bromine	81-1	12902	12615	12595	12704	1.35	cps
Bromine	81-2	83	77	80	80	4.16	cps
Cadmium	108-1	99569	100220	99424	99738	0.42	cps
Cadmium	106-1	147884	147890	145738	147171	0.84	cps
Cadmium	111-1	1261621	1269258	1266543	1265807	0.31	cps
Calcium	43-1	1371477	1370441	1332155	1358024	1.65	cps
Calcium	44-1	22345784	22335439	21758930	22146717	1.52	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2334849	2320561	2327720	2327710	0.31	cps
Cobalt	59-2	3509209	3524727	3547733	3527223	0.55	cps
Copper	63-2	22488686	22714728	22644405	22615940	0.51	cps
Dysprosium	156-1	143	160	110	138	18.48	cps
Dysprosium	156-2	427	380	467	424	10.22	cps
Erbium	164-1	120	127	153	133	13.23	cps
Erbium	164-2	113	83	57	84	33.57	cps
Gadolinium	160-1	113	90	123	109	15.71	cps
Gadolinium	160-2	563	623	563	583	5.94	cps
Holmium	165-1	13732013	13745586	13565154	13680918	0.73	cps
Holmium	165-2	10467436	10439813	10417643	10441631	0.24	cps
Indium	115-1	10549964	10529276	10459903	10513048	0.45	cps
Indium	115-2	4583250	4599151	4660186	4614196	0.88	cps
Iron	56-2	106255108	105813588	106368265	106145654	0.28	cps
Iron	57-2	2685551	2637847	2642799	2655399	0.99	cps
Iron	54-2	5916305	5809251	5820722	5848759	1.00	cps
Krypton	83-1	127	180	183	163	19.47	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166398BS Instrumnet Name : P7
Client Sample ID : LCS398 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:41:41 DataFile Name : 051DLCW.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	20220447	20687651	20730390	20546162	1.38	cps
Lead	207-1	18149310	18446479	18595137	18396975	1.23	cps
Lead	208-1	82080720	83832354	83826031	83246368	1.21	cps
Lithium	6-1	1569568	1538241	1546105	1551305	1.05	cps
Magnesium	24-2	22617647	22255743	22101499	22324963	1.19	cps
Manganese	55-2	19070326	18949281	19141427	19053678	0.51	cps
Molybdenum	94-1	18659197	18349237	18250999	18419811	1.16	cps
Molybdenum	95-1	26265090	26278366	26431498	26324985	0.35	cps
Molybdenum	96-1	29068392	29008719	28922966	29000026	0.25	cps
Molybdenum	97-1	16560840	16438357	16435075	16478091	0.44	cps
Molybdenum	98-1	42587314	42627219	42621116	42611883	0.05	cps
Neodymium	150-1	450	447	363	420	11.69	cps
Neodymium	150-2	127	137	110	124	10.83	cps
Nickel	60-2	852053	844159	845947	847386	0.49	cps
Phosphorus	31-2	132020	129095	129919	130345	1.16	cps
Potassium	39-2	15175649	14905803	14959319	15013590	0.95	cps
Rhodium	103-1	9844166	9688349	9741844	9758120	0.81	cps
Rhodium	103-2	6117713	6188806	6148698	6151739	0.58	cps
Scandium	45-1	5996843	5921868	5754975	5891229	2.10	cps
Scandium	45-2	607146	602802	606241	605396	0.38	cps
Selenium	82-1	81003	80711	79592	80435	0.93	cps
Selenium	77-2	10617	10651	10467	10578	0.92	cps
Selenium	78-2	35853	36341	36020	36072	0.69	cps
Silicon	28-1	11078305	10997260	10806212	10960593	1.27	cps
Silver	107-1	6819406	6741081	6748322	6769603	0.64	cps
Silver	109-1	6487700	6487385	6453161	6476082	0.31	cps
Sodium	23-2	35900124	35004203	35172750	35359026	1.35	cps
Strontium	86-1	1769251	1779700	1736623	1761858	1.28	cps
Strontium	88-1	15508404	15537105	15636129	15560546	0.43	cps
Sulfur	34-1	520091	511377	508145	513204	1.20	cps
Terbium	159-1	14102034	13975984	14116342	14064787	0.55	cps
Terbium	159-2	10450114	10305625	10338259	10364666	0.73	cps
Thallium	203-1	5213142	5264325	5246813	5241427	0.50	cps
Thallium	205-1	12564178	12631842	12807591	12667870	0.99	cps
Tin	118-1	4508522	4500031	4519551	4509368	0.22	cps
Titanium	47-1	6549554	6546494	6341554	6479201	1.84	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166398BS Instrumnet Name : P7
Client Sample ID : LCS398 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:41:41 DataFile Name : 051DLCW.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16357131	16949251	17040944	16782442	2.21	cps
Vanadium	51-2	2108950	2124335	2080848	2104711	1.05	cps
Yttrium	89-1	16903935	16604157	16613971	16707354	1.02	cps
Yttrium	89-2	5311094	5233953	5249978	5265008	0.77	cps
Zinc	66-2	4280321	4243005	4264029	4262452	0.44	cps
Zirconium	90-1	8929240	8922699	8916126	8922689	0.07	cps
Zirconium	91-1	2023378	1987817	2006424	2005873	0.89	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV003 Instrumnet Name : P7
Client Sample ID : CCV003 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:44:22 DataFile Name : 052CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	13469972	13463776	13674296	13536015	0.89	cps
Antimony	121-1	5035740	5088166	5118022	5080643	0.82	cps
Arsenic	75-2	293045	293504	291899	292816	0.28	cps
Barium	135-1	6314155	6432204	6480865	6409075	1.34	cps
Barium	137-1	10916204	11081292	11153721	11050406	1.10	cps
Beryllium	9-1	599549	612930	608947	607142	1.13	cps
Bismuth	209-1	7912223	7754052	7759504	7808593	1.15	cps
Bismuth	209-2	6655324	6726875	6658841	6680347	0.60	cps
Bromine	81-1	12178	12422	12192	12264	1.12	cps
Bromine	81-2	117	97	120	111	11.36	cps
Cadmium	108-1	89158	91791	89960	90303	1.49	cps
Cadmium	106-1	132471	132992	134876	133446	0.95	cps
Cadmium	111-1	1121460	1133557	1145041	1133353	1.04	cps
Calcium	43-1	6391027	6472993	6444977	6436332	0.65	cps
Calcium	44-1	103307082	104854415	105842792	104668096	1.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2244729	2222843	2257716	2241763	0.79	cps
Cobalt	59-2	3270416	3276801	3305632	3284283	0.57	cps
Copper	63-2	20547252	20559727	20348235	20485071	0.58	cps
Dysprosium	156-1	223	240	280	248	11.75	cps
Dysprosium	156-2	497	550	590	546	8.58	cps
Erbium	164-1	317	267	283	289	8.81	cps
Erbium	164-2	220	230	230	227	2.55	cps
Gadolinium	160-1	273	253	320	282	12.12	cps
Gadolinium	160-2	697	617	640	651	6.32	cps
Holmium	165-1	13761141	13549027	13364916	13558362	1.46	cps
Holmium	165-2	10451938	10468217	10473746	10464634	0.11	cps
Indium	115-1	10277875	10067977	10075535	10140462	1.17	cps
Indium	115-2	4510629	4465794	4480576	4485666	0.51	cps
Iron	56-2	515483646	514031992	516513646	515343095	0.24	cps
Iron	57-2	12988021	12954699	12956095	12966272	0.15	cps
Iron	54-2	27962528	27850027	28119954	27977503	0.48	cps
Krypton	83-1	153	180	203	179	13.99	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV003 Instrumnet Name : P7
Client Sample ID : CCV003 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:44:22 DataFile Name : 052CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18878036	19245433	19189826	19104432	1.04	cps
Lead	207-1	16916370	17377455	17439705	17244510	1.66	cps
Lead	208-1	76627720	77902749	78230142	77586870	1.09	cps
Lithium	6-1	1543116	1479571	1495021	1505903	2.20	cps
Magnesium	24-2	111500725	111381258	111849338	111577107	0.22	cps
Manganese	55-2	18164364	18123489	18187564	18158473	0.18	cps
Molybdenum	94-1	17180128	17400780	17506673	17362527	0.96	cps
Molybdenum	95-1	24724725	25157420	25163535	25015227	1.01	cps
Molybdenum	96-1	27323930	27443438	27658569	27475312	0.62	cps
Molybdenum	97-1	15403220	15560677	15500051	15487983	0.51	cps
Molybdenum	98-1	39580551	40481509	40479834	40180631	1.29	cps
Neodymium	150-1	397	480	500	459	11.94	cps
Neodymium	150-2	150	223	177	183	20.25	cps
Nickel	60-2	776026	775126	780095	777083	0.34	cps
Phosphorus	31-2	125513	124390	125348	125084	0.48	cps
Potassium	39-2	73375624	72851591	73449136	73225450	0.44	cps
Rhodium	103-1	9192703	8991637	8944704	9043015	1.46	cps
Rhodium	103-2	5848292	5715722	5767778	5777264	1.16	cps
Scandium	45-1	5827498	5659694	5625500	5704230	1.90	cps
Scandium	45-2	601695	596089	599514	599099	0.47	cps
Selenium	82-1	70608	71301	71573	71161	0.70	cps
Selenium	77-2	9747	9630	10030	9802	2.10	cps
Selenium	78-2	32910	33167	32810	32962	0.56	cps
Silicon	28-1	9496943	9645022	9737959	9626642	1.26	cps
Silver	107-1	6031129	6022709	6054215	6036018	0.27	cps
Silver	109-1	5717398	5796788	5911807	5808664	1.68	cps
Sodium	23-2	172615157	174436297	171318784	172790080	0.91	cps
Strontium	86-1	1659376	1674128	1689970	1674491	0.91	cps
Strontium	88-1	14416854	14741401	14835625	14664627	1.50	cps
Sulfur	34-1	469271	474500	471690	471820	0.55	cps
Terbium	159-1	14057720	13823853	13847775	13909783	0.93	cps
Terbium	159-2	10310169	10395867	10417873	10374636	0.55	cps
Thallium	203-1	4929658	5063321	5012658	5001879	1.35	cps
Thallium	205-1	11643080	11911178	11857994	11804084	1.20	cps
Tin	118-1	4120259	4233800	4300120	4218060	2.16	cps
Titanium	47-1	5923953	6036234	6121072	6027086	1.64	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV003 Instrumnet Name : P7
Client Sample ID : CCV003 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:44:22 DataFile Name : 052CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16101109	16665968	16519691	16428923	1.78	cps
Vanadium	51-2	2018386	2002547	2026079	2015671	0.60	cps
Yttrium	89-1	16396095	16067691	16013585	16159124	1.28	cps
Yttrium	89-2	5209092	5163887	5269899	5214292	1.02	cps
Zinc	66-2	3817998	3802961	3802170	3807710	0.23	cps
Zirconium	90-1	8340319	8501109	8520732	8454053	1.17	cps
Zirconium	91-1	1845844	1903744	1918912	1889500	2.04	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB003 Instrumnet Name : P7
Client Sample ID : CCB003 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:50:20 DataFile Name : 054CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	170	147	173	163	8.90	cps
Antimony	121-1	540	403	423	456	16.20	cps
Arsenic	75-2	10	7	13	10	33.30	cps
Barium	135-1	97	57	60	71	31.21	cps
Barium	137-1	157	150	80	129	32.95	cps
Beryllium	9-1	153	100	120	124	21.65	cps
Bismuth	209-1	8703994	8434583	8545969	8561516	1.58	cps
Bismuth	209-2	7407761	7383015	7311110	7367295	0.68	cps
Bromine	81-1	13483	13426	13630	13513	0.78	cps
Bromine	81-2	137	153	130	140	8.59	cps
Cadmium	108-1	17	23	13	18	28.64	cps
Cadmium	106-1	6415	6188	6205	6269	2.02	cps
Cadmium	111-1	1341	1265	1265	1290	3.42	cps
Calcium	43-1	370	387	343	367	5.96	cps
Calcium	44-1	10204	10007	10100	10104	0.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2844	2887	2960	2897	2.04	cps
Cobalt	59-2	127	103	133	121	13.01	cps
Copper	63-2	1693	1617	1740	1683	3.70	cps
Dysprosium	156-1	0	0	0	0	0.00	cps
Dysprosium	156-2	3	10	0	4	114.60	cps
Erbium	164-1	80	70	60	70	14.29	cps
Erbium	164-2	67	53	50	57	15.57	cps
Gadolinium	160-1	30	40	80	50	52.92	cps
Gadolinium	160-2	520	553	623	566	9.32	cps
Holmium	165-1	13992661	13835906	13626957	13818508	1.33	cps
Holmium	165-2	10839584	10771605	10653186	10754792	0.88	cps
Indium	115-1	11041416	10889679	10944545	10958547	0.70	cps
Indium	115-2	4896722	4876897	4842695	4872104	0.56	cps
Iron	56-2	27285	27168	26817	27090	0.90	cps
Iron	57-2	1540	1683	1523	1582	5.56	cps
Iron	54-2	3144	3100	3240	3161	2.27	cps
Krypton	83-1	203	167	207	192	11.55	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB003 Instrumnet Name : P7
Client Sample ID : CCB003 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:50:20 DataFile Name : 054CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	950	990	857	932	7.34	cps
Lead	207-1	877	810	750	812	7.80	cps
Lead	208-1	4004	3897	3537	3812	6.41	cps
Lithium	6-1	1652742	1599772	1579094	1610536	2.36	cps
Magnesium	24-2	833	757	730	773	6.94	cps
Manganese	55-2	520	477	427	474	9.84	cps
Molybdenum	94-1	627	637	530	598	9.86	cps
Molybdenum	95-1	683	607	587	626	8.16	cps
Molybdenum	96-1	703	870	700	758	12.83	cps
Molybdenum	97-1	437	423	380	413	7.17	cps
Molybdenum	98-1	1080	1083	853	1006	13.11	cps
Neodymium	150-1	7	3	3	4	43.40	cps
Neodymium	150-2	3	3	3	3	0.00	cps
Nickel	60-2	787	740	670	732	8.02	cps
Phosphorus	31-2	337	347	273	319	12.47	cps
Potassium	39-2	64178	64067	63957	64067	0.17	cps
Rhodium	103-1	10274633	10328724	10154607	10252655	0.87	cps
Rhodium	103-2	6626220	6569988	6592042	6596084	0.43	cps
Scandium	45-1	5979269	5861804	5905513	5915529	1.00	cps
Scandium	45-2	632392	625459	626933	628262	0.58	cps
Selenium	82-1	340	399	408	382	9.68	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	567	560	637	588	7.23	cps
Silicon	28-1	757545	760257	766597	761466	0.61	cps
Silver	107-1	270	330	167	256	32.33	cps
Silver	109-1	173	170	173	172	1.12	cps
Sodium	23-2	32548	32655	32561	32588	0.18	cps
Strontium	86-1	287	297	347	310	10.37	cps
Strontium	88-1	203	223	227	218	5.79	cps
Sulfur	34-1	155016	156522	158084	156541	0.98	cps
Terbium	159-1	14418145	14063278	14057100	14179508	1.46	cps
Terbium	159-2	10720953	10705612	10565667	10664078	0.80	cps
Thallium	203-1	387	377	367	377	2.65	cps
Thallium	205-1	907	850	790	849	6.87	cps
Tin	118-1	673	657	627	652	3.63	cps
Titanium	47-1	127	130	107	121	10.42	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB003 Instrumnet Name : P7
Client Sample ID : CCB003 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 16:50:20 DataFile Name : 054CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	97	120	60	92	32.80	cps
Vanadium	51-2	0	10	23	11	105.35	cps
Yttrium	89-1	16910179	16843047	16740507	16831244	0.51	cps
Yttrium	89-2	5484417	5449041	5440369	5457942	0.43	cps
Zinc	66-2	403	413	473	430	8.80	cps
Zirconium	90-1	690	767	690	716	6.19	cps
Zirconium	91-1	123	167	193	161	21.93	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166136BL Instrumnet Name : P7
Client Sample ID : PBW136 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:04:27 DataFile Name : 055CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	230	307	280	272	14.30	cps
Antimony	121-1	170	140	143	151	10.88	cps
Arsenic	75-2	0	20	3	8	137.80	cps
Barium	135-1	50	60	43	51	16.42	cps
Barium	137-1	120	97	80	99	20.32	cps
Beryllium	9-1	97	63	93	84	21.74	cps
Bismuth	209-1	8538560	8305361	8319659	8387860	1.56	cps
Bismuth	209-2	7383057	7313670	7410341	7369023	0.68	cps
Bromine	81-1	14380	14224	14561	14388	1.17	cps
Bromine	81-2	167	117	110	131	23.62	cps
Cadmium	108-1	37	20	7	21	71.19	cps
Cadmium	106-1	6058	5898	6255	6070	2.94	cps
Cadmium	111-1	1219	1192	1273	1228	3.34	cps
Calcium	43-1	397	370	343	370	7.21	cps
Calcium	44-1	9900	9653	9870	9808	1.37	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3037	2894	2940	2957	2.47	cps
Cobalt	59-2	150	123	143	139	9.99	cps
Copper	63-2	1743	1700	1803	1749	2.97	cps
Dysprosium	156-1	7	7	10	8	24.71	cps
Dysprosium	156-2	10	10	3	8	49.52	cps
Erbium	164-1	70	67	63	67	5.00	cps
Erbium	164-2	60	63	50	58	12.01	cps
Gadolinium	160-1	47	40	33	40	16.68	cps
Gadolinium	160-2	480	563	573	539	9.51	cps
Holmium	165-1	14173684	13563381	13475463	13737509	2.77	cps
Holmium	165-2	10805538	10665672	10810589	10760599	0.76	cps
Indium	115-1	11529862	10979931	10989489	11166427	2.82	cps
Indium	115-2	5052875	5024275	4982068	5019739	0.71	cps
Iron	56-2	27655	28220	27826	27900	1.04	cps
Iron	57-2	1600	1693	1723	1672	3.85	cps
Iron	54-2	3280	3427	3384	3364	2.24	cps
Krypton	83-1	200	170	183	184	8.15	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166136BL Instrumnet Name : P7
Client Sample ID : PBW136 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:04:27 DataFile Name : 055CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	717	717	713	716	0.27	cps
Lead	207-1	630	563	600	598	5.59	cps
Lead	208-1	2887	2710	2853	2817	3.33	cps
Lithium	6-1	1523038	1513588	1494464	1510363	0.96	cps
Magnesium	24-2	770	810	763	781	3.23	cps
Manganese	55-2	380	403	307	363	13.88	cps
Molybdenum	94-1	497	413	493	468	10.09	cps
Molybdenum	95-1	403	407	373	394	4.65	cps
Molybdenum	96-1	430	427	533	463	13.09	cps
Molybdenum	97-1	273	247	223	248	10.10	cps
Molybdenum	98-1	630	640	597	622	3.65	cps
Neodymium	150-1	0	3	10	4	114.60	cps
Neodymium	150-2	10	3	7	7	50.03	cps
Nickel	60-2	697	707	797	733	7.51	cps
Phosphorus	31-2	333	413	390	379	10.86	cps
Potassium	39-2	66417	66186	67013	66539	0.64	cps
Rhodium	103-1	10794807	10350181	10295301	10480096	2.61	cps
Rhodium	103-2	6728841	6780177	6623834	6710951	1.19	cps
Scandium	45-1	6389403	6209183	6115443	6238010	2.23	cps
Scandium	45-2	642893	639378	648181	643484	0.69	cps
Selenium	82-1	415	446	439	433	3.78	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	553	600	553	569	4.74	cps
Silicon	28-1	830682	843595	835942	836740	0.78	cps
Silver	107-1	137	113	103	118	14.53	cps
Silver	109-1	73	77	60	70	12.60	cps
Sodium	23-2	25648	26256	26169	26024	1.26	cps
Strontium	86-1	307	310	330	316	4.00	cps
Strontium	88-1	143	173	187	168	13.23	cps
Sulfur	34-1	172997	173199	172903	173033	0.09	cps
Terbium	159-1	14635056	13887901	13971891	14164949	2.89	cps
Terbium	159-2	10682310	10700487	10593852	10658883	0.54	cps
Thallium	203-1	220	197	213	210	5.72	cps
Thallium	205-1	537	550	460	516	9.42	cps
Tin	118-1	687	643	600	643	6.74	cps
Titanium	47-1	90	77	97	88	11.60	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166136BL Instrumnet Name : P7
Client Sample ID : PBW136 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:04:27 DataFile Name : 055CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	13	20	20	18	21.66	cps
Vanadium	51-2	7	13	17	12	41.65	cps
Yttrium	89-1	17752421	16913569	17182144	17282712	2.48	cps
Yttrium	89-2	5601335	5565861	5529655	5565617	0.64	cps
Zinc	66-2	443	393	427	421	6.05	cps
Zirconium	90-1	710	670	703	694	3.09	cps
Zirconium	91-1	137	120	140	132	8.10	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166136BS Instrumnet Name : P7
Client Sample ID : LCS136 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:07:43 DataFile Name : 056LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	10841	10911	11124	10958	1.35	cps
Antimony	121-1	39347	39675	39949	39657	0.76	cps
Arsenic	75-2	1343	1437	1377	1386	3.41	cps
Barium	135-1	48823	49650	48054	48842	1.63	cps
Barium	137-1	84871	85656	85260	85262	0.46	cps
Beryllium	9-1	2617	2564	2694	2625	2.49	cps
Bismuth	209-1	8412710	8319638	8218430	8316926	1.17	cps
Bismuth	209-2	7318103	7318873	7310486	7315820	0.06	cps
Bromine	81-1	14427	15074	14848	14783	2.22	cps
Bromine	81-2	143	123	210	159	28.56	cps
Cadmium	108-1	403	420	283	369	20.21	cps
Cadmium	106-1	7289	6708	6962	6986	4.16	cps
Cadmium	111-1	6163	5995	6415	6191	3.41	cps
Calcium	43-1	26456	27876	27535	27289	2.72	cps
Calcium	44-1	445894	453645	453230	450923	0.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	20801	20330	20634	20589	1.16	cps
Cobalt	59-2	13726	14010	14314	14017	2.09	cps
Copper	63-2	21722	21405	22140	21756	1.69	cps
Dysprosium	156-1	13	0	17	10	88.20	cps
Dysprosium	156-2	10	17	17	14	26.66	cps
Erbium	164-1	57	43	60	53	16.54	cps
Erbium	164-2	50	43	40	44	11.46	cps
Gadolinium	160-1	53	97	43	64	44.00	cps
Gadolinium	160-2	620	543	590	584	6.61	cps
Holmium	165-1	13791909	13849860	13583207	13741659	1.02	cps
Holmium	165-2	10788838	10734394	10616547	10713260	0.82	cps
Indium	115-1	11343825	10941297	11097953	11127692	1.82	cps
Indium	115-2	5025436	5003359	4899472	4976089	1.35	cps
Iron	56-2	1778069	1755978	1775444	1769830	0.68	cps
Iron	57-2	45820	45468	45739	45676	0.40	cps
Iron	54-2	99516	101264	99723	100168	0.95	cps
Krypton	83-1	207	183	207	199	6.77	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166136BS Instrumnet Name : P7
Client Sample ID : LCS136 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:07:43 DataFile Name : 056LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	15616	15689	15489	15598	0.65	cps
Lead	207-1	13880	13327	13517	13575	2.07	cps
Lead	208-1	61838	61240	61692	61590	0.51	cps
Lithium	6-1	1545184	1520659	1504417	1523420	1.35	cps
Magnesium	24-2	412838	408490	411066	410798	0.53	cps
Manganese	55-2	8066	7972	7996	8011	0.61	cps
Molybdenum	94-1	40258	40208	41174	40547	1.34	cps
Molybdenum	95-1	49249	49891	50062	49734	0.86	cps
Molybdenum	96-1	55605	56448	55478	55844	0.94	cps
Molybdenum	97-1	30686	31417	31043	31049	1.18	cps
Molybdenum	98-1	78610	80299	80832	79914	1.45	cps
Neodymium	150-1	13	3	3	7	86.65	cps
Neodymium	150-2	10	7	10	9	21.63	cps
Nickel	60-2	4461	4341	4394	4398	1.37	cps
Phosphorus	31-2	1027	973	1017	1006	2.82	cps
Potassium	39-2	682150	684699	683401	683417	0.19	cps
Rhodium	103-1	10605040	10311337	10301336	10405904	1.66	cps
Rhodium	103-2	6762615	6804460	6696172	6754415	0.81	cps
Scandium	45-1	6234422	6266738	6185611	6228924	0.66	cps
Scandium	45-2	650106	649504	653666	651092	0.35	cps
Selenium	82-1	1948	2003	1943	1965	1.71	cps
Selenium	77-2	240	173	233	216	17.03	cps
Selenium	78-2	1253	1390	1303	1316	5.26	cps
Silicon	28-1	1279117	1294801	1261276	1278398	1.31	cps
Silver	107-1	24598	24701	24998	24766	0.84	cps
Silver	109-1	23556	23826	23840	23741	0.67	cps
Sodium	23-2	695664	695557	690731	693984	0.41	cps
Strontium	86-1	6712	6605	6315	6544	3.14	cps
Strontium	88-1	54929	54842	56983	55585	2.18	cps
Sulfur	34-1	176927	177241	178576	177582	0.49	cps
Terbium	159-1	14213419	14029780	14107592	14116930	0.65	cps
Terbium	159-2	10864147	10645845	10704111	10738034	1.05	cps
Thallium	203-1	18109	18780	18563	18484	1.85	cps
Thallium	205-1	43433	44031	43974	43813	0.75	cps
Tin	118-1	81371	82772	81874	82006	0.87	cps
Titanium	47-1	13289	13499	12979	13256	1.98	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : PB166136BS Instrumnet Name : P7
Client Sample ID : LCS136 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:07:43 DataFile Name : 056LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	56014	56452	56194	56220	0.39	cps
Vanadium	51-2	41487	41062	40143	40898	1.68	cps
Yttrium	89-1	17498697	16910374	17252308	17220460	1.72	cps
Yttrium	89-2	5559601	5636172	5578740	5591504	0.71	cps
Zinc	66-2	9330	9270	9210	9270	0.65	cps
Zirconium	90-1	33104	33568	33936	33536	1.24	cps
Zirconium	91-1	7419	7462	7459	7446	0.32	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-01 Instrumnet Name : P7
Client Sample ID : MC0AF9 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:11:03 DataFile Name : 057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	28497	28637	28834	28656	0.59	cps
Antimony	121-1	920	793	877	863	7.46	cps
Arsenic	75-2	293	320	310	308	4.38	cps
Barium	135-1	64894	66085	65543	65507	0.91	cps
Barium	137-1	112699	115581	115575	114618	1.45	cps
Beryllium	9-1	100	137	93	110	21.21	cps
Bismuth	209-1	8476977	8295705	8313228	8361970	1.20	cps
Bismuth	209-2	7320891	7306094	7201431	7276139	0.89	cps
Bromine	81-1	26978	31684	34106	30923	11.72	cps
Bromine	81-2	5404	5584	5748	5579	3.08	cps
Cadmium	108-1	23	37	13	24	47.91	cps
Cadmium	106-1	6645	6635	6418	6566	1.95	cps
Cadmium	111-1	1373	1381	1338	1364	1.70	cps
Calcium	43-1	636106	650346	651055	645835	1.31	cps
Calcium	44-1	10127109	10364108	10439833	10310350	1.58	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2454	2504	2520	2492	1.39	cps
Cobalt	59-2	1093	1173	1093	1120	4.12	cps
Copper	63-2	6188	6288	5941	6139	2.91	cps
Dysprosium	156-1	463	503	533	500	7.02	cps
Dysprosium	156-2	530	483	490	501	5.04	cps
Erbium	164-1	513	550	577	547	5.82	cps
Erbium	164-2	463	437	473	458	4.14	cps
Gadolinium	160-1	483	460	437	460	5.07	cps
Gadolinium	160-2	883	1017	1050	983	8.97	cps
Holmium	165-1	14087766	13703094	13602213	13797691	1.86	cps
Holmium	165-2	10712319	10674689	10581376	10656128	0.63	cps
Indium	115-1	11397056	10977759	10956861	11110558	2.24	cps
Indium	115-2	4998603	4854746	4810695	4888015	2.01	cps
Iron	56-2	520937	518039	519086	519354	0.28	cps
Iron	57-2	32572	32084	31961	32206	1.00	cps
Iron	54-2	30708	31458	30267	30811	1.95	cps
Krypton	83-1	173	150	180	168	9.39	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-01 Instrumnet Name : P7
Client Sample ID : MC0AF9 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:11:03 DataFile Name : 057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3581	3570	3751	3634	2.78	cps
Lead	207-1	2954	3084	2920	2986	2.89	cps
Lead	208-1	13800	13686	14023	13836	1.24	cps
Lithium	6-1	1527270	1533527	1513277	1524691	0.68	cps
Magnesium	24-2	3212337	3231414	3205388	3216380	0.42	cps
Manganese	55-2	170015	168667	169890	169524	0.44	cps
Molybdenum	94-1	2384	2230	2520	2378	6.10	cps
Molybdenum	95-1	3290	3324	3414	3343	1.91	cps
Molybdenum	96-1	3771	3460	3877	3703	5.85	cps
Molybdenum	97-1	2130	2033	2100	2088	2.37	cps
Molybdenum	98-1	5284	5174	5498	5319	3.09	cps
Neodymium	150-1	670	837	687	731	12.56	cps
Neodymium	150-2	557	550	570	559	1.82	cps
Nickel	60-2	940	1007	880	942	6.72	cps
Phosphorus	31-2	600	577	630	602	4.44	cps
Potassium	39-2	1355119	1367431	1367057	1363203	0.51	cps
Rhodium	103-1	10613163	10167047	10203645	10327952	2.40	cps
Rhodium	103-2	6675241	6558005	6528442	6587229	1.18	cps
Scandium	45-1	6355349	6127579	6181631	6221520	1.91	cps
Scandium	45-2	643355	642745	640552	642217	0.23	cps
Selenium	82-1	491	464	457	471	3.81	cps
Selenium	77-2	3	7	0	3	100.05	cps
Selenium	78-2	613	570	623	602	4.71	cps
Silicon	28-1	24698582	26068528	25902116	25556409	2.93	cps
Silver	107-1	243	170	197	203	18.26	cps
Silver	109-1	163	160	123	149	14.91	cps
Sodium	23-2	9713897	9725021	9613324	9684080	0.64	cps
Strontium	86-1	624684	636125	638921	633244	1.19	cps
Strontium	88-1	5741831	5810642	5824884	5792452	0.77	cps
Sulfur	34-1	501875	507250	501099	503408	0.67	cps
Terbium	159-1	14473086	14091725	13949865	14171559	1.91	cps
Terbium	159-2	10704017	10682235	10563058	10649770	0.71	cps
Thallium	203-1	327	333	253	304	14.58	cps
Thallium	205-1	803	770	753	776	3.28	cps
Tin	118-1	2327	2287	2147	2254	4.19	cps
Titanium	47-1	5181	5074	5218	5158	1.44	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-01 Instrumnet Name : P7
Client Sample ID : MC0AF9 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:11:03 DataFile Name : 057SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3887	3987	4191	4022	3.84	cps
Vanadium	51-2	2727	2377	2560	2555	6.85	cps
Yttrium	89-1	17801980	17177988	17198431	17392799	2.04	cps
Yttrium	89-2	5643328	5537920	5507957	5563068	1.28	cps
Zinc	66-2	2897	2897	2947	2914	0.99	cps
Zirconium	90-1	1874	1497	1610	1660	11.65	cps
Zirconium	91-1	417	370	247	344	25.50	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-02 Instrumnet Name : P7
Client Sample ID : MC0AH2 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:14:12 DataFile Name : 058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16192	15938	17497	16543	5.05	cps
Antimony	121-1	907	890	803	867	6.40	cps
Arsenic	75-2	183	167	150	167	10.00	cps
Barium	135-1	65469	65754	65135	65453	0.47	cps
Barium	137-1	113854	114429	115178	114487	0.58	cps
Beryllium	9-1	100	83	73	86	15.75	cps
Bismuth	209-1	8230105	8333187	8396581	8319958	1.01	cps
Bismuth	209-2	7224761	7311422	7300933	7279039	0.65	cps
Bromine	81-1	30138	32933	35202	32758	7.74	cps
Bromine	81-2	5998	6041	6168	6069	1.46	cps
Cadmium	108-1	30	30	10	23	49.49	cps
Cadmium	106-1	6455	6361	6411	6409	0.73	cps
Cadmium	111-1	1337	1305	1325	1322	1.23	cps
Calcium	43-1	496718	501443	506121	501427	0.94	cps
Calcium	44-1	8039002	7930979	8080215	8016732	0.96	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1793	1963	1867	1875	4.55	cps
Cobalt	59-2	640	710	663	671	5.31	cps
Copper	63-2	7302	6788	6932	7007	3.78	cps
Dysprosium	156-1	277	300	290	289	4.05	cps
Dysprosium	156-2	273	323	267	288	10.76	cps
Erbium	164-1	340	290	327	319	8.12	cps
Erbium	164-2	217	247	217	227	7.64	cps
Gadolinium	160-1	353	327	310	330	6.62	cps
Gadolinium	160-2	790	770	750	770	2.60	cps
Holmium	165-1	13711120	13741430	13709042	13720530	0.13	cps
Holmium	165-2	10639060	10702902	10743793	10695252	0.49	cps
Indium	115-1	10785390	10835848	10967772	10863003	0.87	cps
Indium	115-2	4878796	4889609	4864950	4877785	0.25	cps
Iron	56-2	286703	284585	288891	286726	0.75	cps
Iron	57-2	21879	22230	23021	22377	2.61	cps
Iron	54-2	17574	17968	17527	17689	1.37	cps
Krypton	83-1	190	190	120	167	24.25	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-02 Instrumnet Name : P7
Client Sample ID : MC0AH2 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:14:12 DataFile Name : 058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1767	1680	1643	1697	3.73	cps
Lead	207-1	1390	1473	1553	1472	5.55	cps
Lead	208-1	6597	6474	6857	6643	2.95	cps
Lithium	6-1	1545077	1525266	1553766	1541370	0.95	cps
Magnesium	24-2	2843887	2799786	2810079	2817917	0.82	cps
Manganese	55-2	109155	110545	107947	109216	1.19	cps
Molybdenum	94-1	2070	2057	2100	2076	1.07	cps
Molybdenum	95-1	2524	2614	2800	2646	5.33	cps
Molybdenum	96-1	2927	3057	2964	2983	2.25	cps
Molybdenum	97-1	1737	1580	1763	1693	5.85	cps
Molybdenum	98-1	4387	4284	4477	4383	2.21	cps
Neodymium	150-1	460	570	480	503	11.64	cps
Neodymium	150-2	307	360	380	349	10.87	cps
Nickel	60-2	790	737	677	734	7.72	cps
Phosphorus	31-2	627	557	563	582	6.64	cps
Potassium	39-2	1346187	1304644	1293209	1314680	2.12	cps
Rhodium	103-1	9953735	10026090	10113850	10031225	0.80	cps
Rhodium	103-2	6491966	6430172	6571462	6497867	1.09	cps
Scandium	45-1	5977476	6001748	6035129	6004784	0.48	cps
Scandium	45-2	636827	631292	630422	632847	0.55	cps
Selenium	82-1	461	461	481	468	2.55	cps
Selenium	77-2	10	10	13	11	17.30	cps
Selenium	78-2	610	507	620	579	10.84	cps
Silicon	28-1	25261446	25507448	25494010	25420968	0.54	cps
Silver	107-1	197	133	170	167	19.08	cps
Silver	109-1	110	97	100	102	6.79	cps
Sodium	23-2	10127523	10074227	10056058	10085936	0.37	cps
Strontium	86-1	515570	521879	526312	521254	1.04	cps
Strontium	88-1	4681030	4769267	4712701	4720999	0.95	cps
Sulfur	34-1	375959	375805	376122	375962	0.04	cps
Terbium	159-1	13984959	14060236	13869161	13971452	0.69	cps
Terbium	159-2	10729572	10614300	10709349	10684407	0.58	cps
Thallium	203-1	267	213	307	262	17.86	cps
Thallium	205-1	640	590	587	606	4.93	cps
Tin	118-1	1547	1363	1493	1468	6.43	cps
Titanium	47-1	2480	2780	2427	2563	7.44	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-02 Instrumnet Name : P7
Client Sample ID : MC0AH2 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:14:12 DataFile Name : 058SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	940	713	823	826	13.73	cps
Vanadium	51-2	1837	1910	1773	1840	3.72	cps
Yttrium	89-1	16831586	16778686	16998209	16869494	0.68	cps
Yttrium	89-2	5437646	5440434	5545076	5474385	1.12	cps
Zinc	66-2	1980	1843	1780	1868	5.47	cps
Zirconium	90-1	1527	1283	1410	1407	8.65	cps
Zirconium	91-1	293	243	383	307	23.14	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-03 Instrumnet Name : P7
Client Sample ID : MC0AH3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:17:25 DataFile Name : 059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	70123	68656	71609	70129	2.11	cps
Antimony	121-1	913	927	817	886	6.78	cps
Arsenic	75-2	440	410	413	421	3.90	cps
Barium	135-1	66276	66923	66983	66727	0.59	cps
Barium	137-1	113569	115349	116395	115104	1.24	cps
Beryllium	9-1	120	173	100	131	28.92	cps
Bismuth	209-1	8320180	8423907	8261386	8335157	0.99	cps
Bismuth	209-2	7336854	7240224	7301869	7292983	0.67	cps
Bromine	81-1	31390	35229	38580	35066	10.26	cps
Bromine	81-2	6505	6548	6455	6503	0.72	cps
Cadmium	108-1	30	30	17	26	30.11	cps
Cadmium	106-1	6365	6628	6201	6398	3.37	cps
Cadmium	111-1	1339	1365	1299	1334	2.49	cps
Calcium	43-1	581267	592320	593512	589033	1.15	cps
Calcium	44-1	9240499	9561800	9479495	9427265	1.77	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4227	4161	4081	4156	1.77	cps
Cobalt	59-2	2073	1933	2057	2021	3.78	cps
Copper	63-2	8019	7996	7852	7956	1.14	cps
Dysprosium	156-1	830	807	810	816	1.55	cps
Dysprosium	156-2	683	650	793	709	10.58	cps
Erbium	164-1	753	653	683	697	7.37	cps
Erbium	164-2	570	620	557	582	5.73	cps
Gadolinium	160-1	673	670	733	692	5.15	cps
Gadolinium	160-2	1070	1150	1153	1125	4.20	cps
Holmium	165-1	13880056	13588297	13751610	13739988	1.06	cps
Holmium	165-2	10646323	10698212	10648324	10664287	0.28	cps
Indium	115-1	10865206	10955841	10940135	10920394	0.44	cps
Indium	115-2	4915998	4841594	4820529	4859374	1.03	cps
Iron	56-2	1332559	1358328	1356848	1349245	1.07	cps
Iron	57-2	50695	51056	51371	51041	0.66	cps
Iron	54-2	76359	76309	76426	76365	0.08	cps
Krypton	83-1	227	173	193	198	13.62	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-03 Instrumnet Name : P7
Client Sample ID : MC0AH3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:17:25 DataFile Name : 059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4377	4447	4417	4414	0.80	cps
Lead	207-1	3721	3634	3894	3749	3.53	cps
Lead	208-1	16734	17341	17755	17277	2.97	cps
Lithium	6-1	1568540	1540984	1525234	1544919	1.42	cps
Magnesium	24-2	3100178	3021540	3042674	3054797	1.33	cps
Manganese	55-2	408192	406454	408714	407786	0.29	cps
Molybdenum	94-1	3120	3157	3164	3147	0.74	cps
Molybdenum	95-1	3997	3984	4004	3995	0.26	cps
Molybdenum	96-1	4477	4614	4507	4533	1.59	cps
Molybdenum	97-1	2487	2600	2650	2579	3.25	cps
Molybdenum	98-1	6281	6648	6618	6516	3.13	cps
Neodymium	150-1	1093	1167	1177	1146	3.97	cps
Neodymium	150-2	743	750	793	762	3.56	cps
Nickel	60-2	1450	1187	1297	1311	10.09	cps
Phosphorus	31-2	767	683	803	751	8.19	cps
Potassium	39-2	1438375	1452855	1445830	1445687	0.50	cps
Rhodium	103-1	10059759	9986965	10054689	10033804	0.41	cps
Rhodium	103-2	6560549	6496791	6419382	6492241	1.09	cps
Scandium	45-1	6040496	6055029	5955109	6016878	0.90	cps
Scandium	45-2	631444	633988	632183	632538	0.21	cps
Selenium	82-1	391	381	466	413	11.27	cps
Selenium	77-2	10	17	7	11	45.82	cps
Selenium	78-2	533	527	570	543	4.29	cps
Silicon	28-1	26241680	26733540	26545436	26506885	0.94	cps
Silver	107-1	153	123	170	149	15.88	cps
Silver	109-1	90	87	80	86	5.95	cps
Sodium	23-2	9220821	9184948	9256450	9220739	0.39	cps
Strontium	86-1	619147	626874	631405	625808	0.99	cps
Strontium	88-1	5620950	5694324	5738979	5684751	1.05	cps
Sulfur	34-1	384577	390793	390916	388762	0.93	cps
Terbium	159-1	14114896	14000112	14044896	14053301	0.41	cps
Terbium	159-2	10549745	10645357	10764459	10653187	1.01	cps
Thallium	203-1	277	283	340	300	11.60	cps
Thallium	205-1	693	670	640	668	4.00	cps
Tin	118-1	2114	2080	2127	2107	1.14	cps
Titanium	47-1	11268	11768	11905	11647	2.88	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-03 Instrumnet Name : P7
Client Sample ID : MC0AH3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:17:25 DataFile Name : 059SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5715	5831	5898	5815	1.60	cps
Vanadium	51-2	4081	3951	4054	4028	1.70	cps
Yttrium	89-1	17022450	16692694	16682472	16799205	1.15	cps
Yttrium	89-2	5545924	5503979	5418475	5489459	1.18	cps
Zinc	66-2	3097	3254	3147	3166	2.53	cps
Zirconium	90-1	1997	1900	2014	1970	3.11	cps
Zirconium	91-1	407	437	487	443	9.12	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-04 Instrumnet Name : P7
Client Sample ID : MC0AF8 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:20:34 DataFile Name : 060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	92390	92658	93107	92719	0.39	cps
Antimony	121-1	164640	168003	168812	167152	1.32	cps
Arsenic	75-2	3724	3901	3874	3833	2.49	cps
Barium	135-1	98950	101649	101549	100716	1.52	cps
Barium	137-1	171494	176471	174624	174197	1.44	cps
Beryllium	9-1	90	117	137	114	20.46	cps
Bismuth	209-1	8174558	8163195	8181031	8172928	0.11	cps
Bismuth	209-2	7183595	7224261	7151024	7186293	0.51	cps
Bromine	81-1	28177	31644	32295	30705	7.21	cps
Bromine	81-2	5228	5168	4928	5108	3.11	cps
Cadmium	108-1	147	197	157	167	15.87	cps
Cadmium	106-1	6725	6622	6278	6542	3.58	cps
Cadmium	111-1	1896	1817	1833	1848	2.26	cps
Calcium	43-1	1340402	1352232	1368249	1353628	1.03	cps
Calcium	44-1	21479354	21729508	21847839	21685567	0.87	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10097	9743	9540	9793	2.88	cps
Cobalt	59-2	2974	2967	3067	3003	1.86	cps
Copper	63-2	18008	17864	17751	17874	0.72	cps
Dysprosium	156-1	773	710	847	777	8.81	cps
Dysprosium	156-2	777	843	847	822	4.80	cps
Erbium	164-1	690	740	680	703	4.57	cps
Erbium	164-2	507	623	583	571	10.38	cps
Gadolinium	160-1	753	840	707	767	8.83	cps
Gadolinium	160-2	1047	1120	1133	1100	4.24	cps
Holmium	165-1	13491876	13570016	13706106	13589332	0.80	cps
Holmium	165-2	10596416	10630825	10635934	10621058	0.20	cps
Indium	115-1	10628144	10709471	10737426	10691680	0.53	cps
Indium	115-2	4846622	4800169	4890181	4845657	0.93	cps
Iron	56-2	2027875	2053315	2064355	2048515	0.91	cps
Iron	57-2	89947	90835	91721	90834	0.98	cps
Iron	54-2	114542	114152	113551	114082	0.44	cps
Krypton	83-1	193	180	140	171	16.22	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-04 Instrumnet Name : P7
Client Sample ID : MC0AF8 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:20:34 DataFile Name : 060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4884	4961	5034	4960	1.51	cps
Lead	207-1	4021	4244	4014	4093	3.20	cps
Lead	208-1	18618	19115	19449	19061	2.19	cps
Lithium	6-1	1498042	1566515	1519492	1528016	2.29	cps
Magnesium	24-2	4458748	4412370	4377079	4416066	0.93	cps
Manganese	55-2	168697	171479	171175	170450	0.90	cps
Molybdenum	94-1	50192	50995	51045	50744	0.94	cps
Molybdenum	95-1	85853	88321	85981	86718	1.60	cps
Molybdenum	96-1	92802	94117	94177	93699	0.83	cps
Molybdenum	97-1	54364	54655	54618	54546	0.29	cps
Molybdenum	98-1	138318	141726	141406	140483	1.34	cps
Neodymium	150-1	1153	1167	1083	1135	3.95	cps
Neodymium	150-2	820	827	813	820	0.81	cps
Nickel	60-2	2884	2850	2760	2831	2.25	cps
Phosphorus	31-2	1653	1547	1680	1627	4.34	cps
Potassium	39-2	1212957	1205574	1191952	1203494	0.89	cps
Rhodium	103-1	9822059	9957700	9894257	9891339	0.69	cps
Rhodium	103-2	6477473	6444348	6529863	6483895	0.66	cps
Scandium	45-1	5949293	5885221	5965045	5933186	0.71	cps
Scandium	45-2	631377	631659	637274	633437	0.53	cps
Selenium	82-1	382	441	472	432	10.63	cps
Selenium	77-2	3	3	3	3	0.00	cps
Selenium	78-2	593	550	647	597	8.12	cps
Silicon	28-1	40002851	40515400	40818974	40445742	1.02	cps
Silver	107-1	527	527	477	510	5.66	cps
Silver	109-1	437	413	473	441	6.86	cps
Sodium	23-2	23321393	23197181	23283941	23267505	0.27	cps
Strontium	86-1	6746268	6802716	6878941	6809308	0.98	cps
Strontium	88-1	60349031	60526802	60605794	60493876	0.22	cps
Sulfur	34-1	653556	660858	668222	660879	1.11	cps
Terbium	159-1	13986875	13939388	14066977	13997746	0.46	cps
Terbium	159-2	10526912	10555678	10532939	10538510	0.14	cps
Thallium	203-1	650	657	777	694	10.27	cps
Thallium	205-1	1703	1757	1780	1747	2.25	cps
Tin	118-1	3157	3280	3460	3299	4.62	cps
Titanium	47-1	10581	10610	10631	10607	0.24	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-04 Instrumnet Name : P7
Client Sample ID : MC0AF8 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:20:34 DataFile Name : 060SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	162933	164654	165106	164231	0.70	cps
Vanadium	51-2	12212	12282	11875	12123	1.79	cps
Yttrium	89-1	16808063	16792185	16830054	16810100	0.11	cps
Yttrium	89-2	5512554	5540577	5574469	5542533	0.56	cps
Zinc	66-2	11508	11568	11615	11563	0.46	cps
Zirconium	90-1	3624	3791	3807	3741	2.71	cps
Zirconium	91-1	920	777	777	824	10.04	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-05 Instrumnet Name : P7
Client Sample ID : MC0AF8D Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:23:44 DataFile Name : 061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	92443	91687	92878	92336	0.65	cps
Antimony	121-1	165982	166113	165578	165891	0.17	cps
Arsenic	75-2	3737	3754	3660	3717	1.34	cps
Barium	135-1	99434	101821	101603	100952	1.31	cps
Barium	137-1	172098	174688	176595	174460	1.29	cps
Beryllium	9-1	103	107	130	113	12.82	cps
Bismuth	209-1	8255808	8235953	8079780	8190514	1.18	cps
Bismuth	209-2	7152793	7117954	7044737	7105161	0.78	cps
Bromine	81-1	27896	31046	31828	30257	6.88	cps
Bromine	81-2	5064	4831	5361	5085	5.23	cps
Cadmium	108-1	123	133	160	139	13.65	cps
Cadmium	106-1	6578	6568	6628	6592	0.49	cps
Cadmium	111-1	1926	1827	1984	1912	4.14	cps
Calcium	43-1	1327523	1357899	1360532	1348651	1.36	cps
Calcium	44-1	21420771	21777396	21508517	21568894	0.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9953	9713	9870	9845	1.24	cps
Cobalt	59-2	2920	3170	3077	3056	4.13	cps
Copper	63-2	18141	17867	17397	17802	2.11	cps
Dysprosium	156-1	700	813	780	764	7.62	cps
Dysprosium	156-2	743	710	837	763	8.60	cps
Erbium	164-1	683	793	673	717	9.29	cps
Erbium	164-2	593	527	503	541	8.63	cps
Gadolinium	160-1	830	840	810	827	1.85	cps
Gadolinium	160-2	1060	1053	1113	1076	3.06	cps
Holmium	165-1	13487015	13652558	13599677	13579750	0.62	cps
Holmium	165-2	10672497	10626669	10409046	10569404	1.33	cps
Indium	115-1	10856681	10765337	10832792	10818270	0.44	cps
Indium	115-2	4860505	4858705	4849728	4856313	0.12	cps
Iron	56-2	2042872	2014535	2046000	2034469	0.85	cps
Iron	57-2	89263	89518	89565	89449	0.18	cps
Iron	54-2	113930	113326	113047	113434	0.40	cps
Krypton	83-1	180	210	160	183	13.73	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-05 Instrumnet Name : P7
Client Sample ID : MC0AF8D Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:23:44 DataFile Name : 061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5024	4934	4831	4930	1.96	cps
Lead	207-1	4231	4161	4081	4157	1.81	cps
Lead	208-1	19469	19189	19112	19257	0.98	cps
Lithium	6-1	1512324	1557526	1529466	1533106	1.49	cps
Magnesium	24-2	4404471	4372654	4360786	4379304	0.52	cps
Manganese	55-2	171903	171084	171892	171627	0.27	cps
Molybdenum	94-1	51289	51791	51239	51440	0.59	cps
Molybdenum	95-1	86936	87020	87013	86989	0.05	cps
Molybdenum	96-1	93644	93412	93744	93600	0.18	cps
Molybdenum	97-1	54317	54719	54822	54619	0.49	cps
Molybdenum	98-1	138533	140511	141760	140268	1.16	cps
Neodymium	150-1	1087	1113	1113	1105	1.39	cps
Neodymium	150-2	737	753	813	768	5.25	cps
Nickel	60-2	2674	2874	2827	2791	3.75	cps
Phosphorus	31-2	1683	1713	1483	1627	7.69	cps
Potassium	39-2	1204824	1200226	1182371	1195807	0.99	cps
Rhodium	103-1	9787127	9795742	9957629	9846833	0.98	cps
Rhodium	103-2	6435944	6391643	6428260	6418616	0.37	cps
Scandium	45-1	5900511	5916599	5911624	5909578	0.14	cps
Scandium	45-2	627662	626151	620180	624664	0.63	cps
Selenium	82-1	424	422	491	445	8.78	cps
Selenium	77-2	3	0	7	3	100.05	cps
Selenium	78-2	670	503	553	576	14.86	cps
Silicon	28-1	39888424	40160399	40290664	40113162	0.51	cps
Silver	107-1	450	543	527	507	9.82	cps
Silver	109-1	407	343	453	401	13.76	cps
Sodium	23-2	23201002	23156911	23180563	23179492	0.10	cps
Strontium	86-1	6771933	6811942	6818769	6800881	0.37	cps
Strontium	88-1	59532959	59777277	60302501	59870912	0.66	cps
Sulfur	34-1	651064	655537	661191	655931	0.77	cps
Terbium	159-1	13890211	13943838	13873799	13902616	0.26	cps
Terbium	159-2	10645996	10704955	10425760	10592237	1.39	cps
Thallium	203-1	673	600	750	674	11.12	cps
Thallium	205-1	1673	1657	1683	1671	0.81	cps
Tin	118-1	3397	3357	3247	3334	2.33	cps
Titanium	47-1	11224	10761	11463	11149	3.20	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-05 Instrumnet Name : P7
Client Sample ID : MC0AF8D Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:23:44 DataFile Name : 061SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	162251	165112	164984	164116	0.98	cps
Vanadium	51-2	12095	12332	11745	12057	2.45	cps
Yttrium	89-1	16706681	16745463	16831896	16761347	0.38	cps
Yttrium	89-2	5439912	5428403	5409754	5426023	0.28	cps
Zinc	66-2	11865	11711	11671	11749	0.87	cps
Zirconium	90-1	3524	3734	3560	3606	3.11	cps
Zirconium	91-1	840	930	843	871	5.86	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-04LX5 Instrumnet Name : P7
Client Sample ID : MC0AF8L Dilution Factor : 5
Date & Time Acquired : 2025-01-21 17:26:53 DataFile Name : 062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18708	19296	18358	18787	2.52	cps
Antimony	121-1	33552	34755	34097	34135	1.76	cps
Arsenic	75-2	793	730	777	767	4.28	cps
Barium	135-1	20328	20996	20742	20688	1.63	cps
Barium	137-1	35558	35758	35514	35610	0.37	cps
Beryllium	9-1	80	77	110	89	20.65	cps
Bismuth	209-1	8558727	8363198	8366278	8429401	1.33	cps
Bismuth	209-2	7291234	7141804	7259829	7230956	1.09	cps
Bromine	81-1	19209	19613	19496	19440	1.07	cps
Bromine	81-2	1353	1473	1650	1492	10.00	cps
Cadmium	108-1	43	17	40	33	43.58	cps
Cadmium	106-1	6635	6485	5918	6346	5.96	cps
Cadmium	111-1	1467	1462	1276	1401	7.78	cps
Calcium	43-1	274811	281126	279110	278349	1.16	cps
Calcium	44-1	4382779	4459828	4455492	4432700	0.98	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4174	4284	4224	4227	1.30	cps
Cobalt	59-2	587	750	713	683	12.54	cps
Copper	63-2	5041	5108	4791	4980	3.35	cps
Dysprosium	156-1	153	213	143	170	22.27	cps
Dysprosium	156-2	197	147	167	170	14.80	cps
Erbium	164-1	260	190	190	213	18.95	cps
Erbium	164-2	157	200	137	164	19.69	cps
Gadolinium	160-1	240	217	227	228	5.14	cps
Gadolinium	160-2	643	657	680	660	2.81	cps
Holmium	165-1	14024763	13723625	13705668	13818019	1.30	cps
Holmium	165-2	10577467	10453005	10644169	10558214	0.92	cps
Indium	115-1	11277551	10940935	10991986	11070157	1.64	cps
Indium	115-2	4809909	4810092	4849090	4823030	0.47	cps
Iron	56-2	441906	442716	436334	440319	0.79	cps
Iron	57-2	19202	19726	19336	19422	1.40	cps
Iron	54-2	26513	26353	25775	26214	1.48	cps
Krypton	83-1	177	157	170	168	6.07	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-04LX5 Instrumnet Name : P7
Client Sample ID : MC0AF8L Dilution Factor : 5
Date & Time Acquired : 2025-01-21 17:26:53 DataFile Name : 062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1477	1520	1500	1499	1.45	cps
Lead	207-1	1280	1337	1297	1305	2.23	cps
Lead	208-1	6031	5837	6014	5961	1.80	cps
Lithium	6-1	1617332	1551698	1557173	1575401	2.31	cps
Magnesium	24-2	865006	864638	859917	863187	0.33	cps
Manganese	55-2	35248	34683	35579	35170	1.29	cps
Molybdenum	94-1	10350	10864	10757	10657	2.54	cps
Molybdenum	95-1	17664	18255	18001	17973	1.65	cps
Molybdenum	96-1	19450	19613	19510	19524	0.42	cps
Molybdenum	97-1	11178	11858	11348	11461	3.09	cps
Molybdenum	98-1	28979	29276	29343	29199	0.66	cps
Neodymium	150-1	250	197	270	239	15.87	cps
Neodymium	150-2	133	173	117	141	20.64	cps
Nickel	60-2	1197	1203	1260	1220	2.85	cps
Phosphorus	31-2	567	537	650	584	10.05	cps
Potassium	39-2	293219	292824	297628	294557	0.91	cps
Rhodium	103-1	10364673	10201435	10125693	10230600	1.19	cps
Rhodium	103-2	6497773	6501844	6552794	6517470	0.47	cps
Scandium	45-1	6098977	5916136	5906985	5974033	1.81	cps
Scandium	45-2	630927	623886	630360	628391	0.62	cps
Selenium	82-1	404	419	410	411	1.84	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	667	693	630	663	4.79	cps
Silicon	28-1	8934759	9065613	9229970	9076781	1.63	cps
Silver	107-1	177	180	157	171	7.37	cps
Silver	109-1	97	110	110	106	7.29	cps
Sodium	23-2	4650423	4740789	4686479	4692563	0.97	cps
Strontium	86-1	1341753	1353961	1349368	1348360	0.46	cps
Strontium	88-1	12135219	12263464	12354469	12251051	0.90	cps
Sulfur	34-1	259332	259237	260617	259729	0.30	cps
Terbium	159-1	14399574	14184051	14111141	14231589	1.05	cps
Terbium	159-2	10488100	10518556	10519889	10508848	0.17	cps
Thallium	203-1	353	287	327	322	10.41	cps
Thallium	205-1	663	680	823	722	12.18	cps
Tin	118-1	1170	1147	1217	1178	3.03	cps
Titanium	47-1	2270	2320	2858	2483	13.13	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-04LX5 Instrumnet Name : P7
Client Sample ID : MC0AF8L Dilution Factor : 5
Date & Time Acquired : 2025-01-21 17:26:53 DataFile Name : 062SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	33054	33546	33556	33385	0.86	cps
Vanadium	51-2	2334	2390	2337	2354	1.35	cps
Yttrium	89-1	17337748	16834195	16996221	17056054	1.51	cps
Yttrium	89-2	5469354	5410715	5410063	5430044	0.63	cps
Zinc	66-2	2927	2767	2654	2783	4.94	cps
Zirconium	90-1	1210	1203	1200	1205	0.42	cps
Zirconium	91-1	207	280	287	258	17.22	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-06 Instrumnet Name : P7
Client Sample ID : MC0AF8S Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:30:07 DataFile Name : 063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	618360	618925	621738	619674	0.29	cps
Antimony	121-1	1205210	1218044	1222009	1215088	0.72	cps
Arsenic	75-2	29115	28678	29035	28943	0.80	cps
Barium	135-1	5468743	5612826	5561863	5547810	1.32	cps
Barium	137-1	9517894	9744080	9554486	9605487	1.26	cps
Beryllium	9-1	65143	65909	64808	65286	0.86	cps
Bismuth	209-1	7894324	8237889	8204298	8112171	2.33	cps
Bismuth	209-2	7144926	7010356	7116351	7090544	1.00	cps
Bromine	81-1	25759	29106	30792	28552	8.97	cps
Bromine	81-2	4584	4761	4978	4774	4.13	cps
Cadmium	108-1	8933	8342	8876	8717	3.74	cps
Cadmium	106-1	18402	18709	18782	18631	1.08	cps
Cadmium	111-1	127082	130627	130514	129407	1.56	cps
Calcium	43-1	1302884	1323797	1327391	1318024	1.00	cps
Calcium	44-1	20919096	21267103	21289512	21158570	0.98	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	952665	955374	945546	951195	0.53	cps
Cobalt	59-2	3594418	3621702	3571182	3595768	0.70	cps
Copper	63-2	1195002	1193338	1192323	1193554	0.11	cps
Dysprosium	156-1	707	790	713	737	6.29	cps
Dysprosium	156-2	967	1120	993	1027	7.98	cps
Erbium	164-1	713	767	710	730	4.36	cps
Erbium	164-2	580	563	570	571	1.47	cps
Gadolinium	160-1	743	743	820	769	5.76	cps
Gadolinium	160-2	1070	1117	1093	1093	2.13	cps
Holmium	165-1	13127926	13724483	13652101	13501503	2.41	cps
Holmium	165-2	10569747	10441873	10525711	10512444	0.62	cps
Indium	115-1	10448635	10858404	10609048	10638696	1.94	cps
Indium	115-2	4799449	4732566	4712739	4748251	0.96	cps
Iron	56-2	6464354	6475287	6398510	6446051	0.64	cps
Iron	57-2	199391	199108	200335	199611	0.32	cps
Iron	54-2	391981	388180	390566	390242	0.49	cps
Krypton	83-1	150	160	150	153	3.77	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-06 Instrumnet Name : P7
Client Sample ID : MC0AF8S Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:30:07 DataFile Name : 063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	160496	164637	167029	164054	2.01	cps
Lead	207-1	140535	142821	143620	142325	1.13	cps
Lead	208-1	641523	653113	660784	651807	1.49	cps
Lithium	6-1	1480846	1537052	1564480	1527459	2.79	cps
Magnesium	24-2	4348255	4290789	4286144	4308396	0.80	cps
Manganese	55-2	2106822	2113199	2107534	2109185	0.17	cps
Molybdenum	94-1	49834	50801	50764	50466	1.09	cps
Molybdenum	95-1	84831	85669	85534	85345	0.53	cps
Molybdenum	96-1	91534	91869	92296	91900	0.42	cps
Molybdenum	97-1	52748	53140	54417	53435	1.63	cps
Molybdenum	98-1	138098	139519	136934	138184	0.94	cps
Neodymium	150-1	1520	1513	1513	1516	0.25	cps
Neodymium	150-2	763	880	807	817	7.22	cps
Nickel	60-2	886593	883671	885567	885277	0.17	cps
Phosphorus	31-2	1470	1530	1470	1490	2.32	cps
Potassium	39-2	1175510	1177249	1177608	1176789	0.10	cps
Rhodium	103-1	9492705	9746054	9799812	9679524	1.69	cps
Rhodium	103-2	6341447	6375853	6304322	6340541	0.56	cps
Scandium	45-1	5697069	5944528	5884689	5842095	2.21	cps
Scandium	45-2	621048	616829	624224	620700	0.60	cps
Selenium	82-1	16464	16430	16501	16465	0.22	cps
Selenium	77-2	2214	2214	2040	2156	4.64	cps
Selenium	78-2	8149	7876	7709	7911	2.81	cps
Silicon	28-1	38552171	39378370	39238166	39056236	1.13	cps
Silver	107-1	649447	652053	657604	653035	0.64	cps
Silver	109-1	614562	627628	623491	621894	1.07	cps
Sodium	23-2	22926716	22575264	22453690	22651890	1.08	cps
Strontium	86-1	6587056	6731975	6633003	6650678	1.11	cps
Strontium	88-1	57552627	58430212	58697752	58226864	1.03	cps
Sulfur	34-1	640691	651378	647424	646498	0.84	cps
Terbium	159-1	13445928	13979533	13974275	13799912	2.22	cps
Terbium	159-2	10649432	10518556	10569085	10579024	0.62	cps
Thallium	203-1	484591	488174	497935	490234	1.41	cps
Thallium	205-1	1135097	1152636	1166033	1151255	1.35	cps
Tin	118-1	4511	4758	4737	4669	2.94	cps
Titanium	47-1	10344	11374	10711	10810	4.83	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-06 Instrumnet Name : P7
Client Sample ID : MC0AF8S Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:30:07 DataFile Name : 063SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	159505	161172	163968	161548	1.40	cps
Vanadium	51-2	2133961	2124276	2122078	2126772	0.30	cps
Yttrium	89-1	15991382	16721760	16677011	16463384	2.49	cps
Yttrium	89-2	5406705	5338677	5293830	5346404	1.06	cps
Zinc	66-2	449129	449496	449079	449235	0.05	cps
Zirconium	90-1	3507	3610	3834	3650	4.57	cps
Zirconium	91-1	1063	1110	897	1023	10.97	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-07 Instrumnet Name : P7
Client Sample ID : MC0AE9 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:33:08 DataFile Name : 064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1319633	1321451	1324270	1321785	0.18	cps
Antimony	121-1	3460	3327	3390	3393	1.97	cps
Arsenic	75-2	12926	12736	12772	12811	0.79	cps
Barium	135-1	12509	12199	11718	12142	3.28	cps
Barium	137-1	21109	20535	20698	20781	1.42	cps
Beryllium	9-1	103	133	133	123	14.05	cps
Bismuth	209-1	7691324	7773885	7665913	7710374	0.73	cps
Bismuth	209-2	5367769	6478921	6713181	6186624	11.62	cps
Bromine	81-1	36335	41578	43480	40465	9.15	cps
Bromine	81-2	7482	7989	7735	7735	3.28	cps
Cadmium	108-1	317	337	383	346	9.90	cps
Cadmium	106-1	6348	6201	6231	6260	1.24	cps
Cadmium	111-1	1115	1068	1041	1075	3.45	cps
Calcium	43-1	194588	200513	201816	198972	1.94	cps
Calcium	44-1	3116593	3205624	3257535	3193251	2.23	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	300674	295653	298516	298281	0.84	cps
Cobalt	59-2	1667	1520	1473	1553	6.49	cps
Copper	63-2	7772	7709	7629	7703	0.93	cps
Dysprosium	156-1	727	827	817	790	6.97	cps
Dysprosium	156-2	797	857	733	796	7.75	cps
Erbium	164-1	787	780	877	814	6.63	cps
Erbium	164-2	663	677	633	658	3.37	cps
Gadolinium	160-1	880	827	837	848	3.34	cps
Gadolinium	160-2	1073	1143	1143	1120	3.61	cps
Holmium	165-1	13466217	13538542	13484880	13496547	0.28	cps
Holmium	165-2	8410996	10277797	10472316	9720370	11.71	cps
Indium	115-1	10087781	10215399	10282191	10195124	0.97	cps
Indium	115-2	3668870	4470091	4568339	4235767	11.65	cps
Iron	56-2	1191499	1183164	1178181	1184281	0.57	cps
Iron	57-2	36966	37178	35031	36392	3.25	cps
Iron	54-2	77874	76947	74922	76581	1.97	cps
Krypton	83-1	173	187	177	179	3.88	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-07 Instrumnet Name : P7
Client Sample ID : MC0AE9 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:33:08 DataFile Name : 064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5028	5084	5041	5051	0.59	cps
Lead	207-1	4244	4174	4137	4185	1.30	cps
Lead	208-1	19652	19829	19419	19634	1.05	cps
Lithium	6-1	1486739	1481446	1479732	1482639	0.25	cps
Magnesium	24-2	108345	106364	106552	107087	1.02	cps
Manganese	55-2	55856	54294	54374	54842	1.60	cps
Molybdenum	94-1	27086	26958	27119	27054	0.31	cps
Molybdenum	95-1	42425	43384	43809	43206	1.64	cps
Molybdenum	96-1	45437	46627	47266	46444	2.00	cps
Molybdenum	97-1	27015	27336	28257	27536	2.34	cps
Molybdenum	98-1	69290	71082	70871	70414	1.39	cps
Neodymium	150-1	900	770	893	854	8.57	cps
Neodymium	150-2	607	480	483	523	13.79	cps
Nickel	60-2	2087	2090	2134	2104	1.24	cps
Phosphorus	31-2	4444	4554	4524	4507	1.26	cps
Potassium	39-2	559580	556009	559155	558248	0.35	cps
Rhodium	103-1	9023674	9048219	9190825	9087573	0.99	cps
Rhodium	103-2	4754256	5816290	6017093	5529213	12.27	cps
Scandium	45-1	5631217	5665216	5729105	5675179	0.88	cps
Scandium	45-2	480352	596275	611168	562599	12.73	cps
Selenium	82-1	654	629	680	654	3.88	cps
Selenium	77-2	40	27	53	40	33.33	cps
Selenium	78-2	633	677	610	640	5.29	cps
Silicon	28-1	41314679	42657956	43110746	42361127	2.21	cps
Silver	107-1	3697	3751	3994	3814	4.15	cps
Silver	109-1	3264	3594	3644	3500	5.90	cps
Sodium	23-2	448226060	441296060	446067127	445196416	0.80	cps
Strontium	86-1	185790	191485	193104	190126	2.02	cps
Strontium	88-1	1703504	1701465	1757913	1720961	1.86	cps
Sulfur	34-1	17715166	18300516	18341293	18118992	1.93	cps
Terbium	159-1	13701520	13849408	13892708	13814545	0.73	cps
Terbium	159-2	8310418	10206501	10440613	9652511	12.10	cps
Thallium	203-1	693	517	480	563	20.25	cps
Thallium	205-1	1187	1093	1060	1113	5.90	cps
Tin	118-1	8703	9958	10584	9748	9.83	cps
Titanium	47-1	11022	11342	13285	11883	10.31	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-07 Instrumnet Name : P7
Client Sample ID : MC0AE9 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:33:08 DataFile Name : 064SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	29590	29326	29042	29319	0.93	cps
Vanadium	51-2	136299	133686	134580	134855	0.98	cps
Yttrium	89-1	15957001	16092421	16296066	16115163	1.06	cps
Yttrium	89-2	4224305	5200729	5340144	4921726	12.35	cps
Zinc	66-2	1693	1923	1673	1763	7.88	cps
Zirconium	90-1	5799	6676	5188	5887	12.71	cps
Zirconium	91-1	1177	1177	1223	1192	2.26	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-08 Instrumnet Name : P7
Client Sample ID : MC0AG4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:36:21 DataFile Name : 065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1960	1873	1873	1902	2.63	cps
Antimony	121-1	300	277	263	280	6.63	cps
Arsenic	75-2	47	30	20	32	41.81	cps
Barium	135-1	727	677	757	720	5.61	cps
Barium	137-1	1143	1340	1253	1246	7.91	cps
Beryllium	9-1	73	53	70	66	16.35	cps
Bismuth	209-1	8479058	8542993	8705223	8575758	1.36	cps
Bismuth	209-2	7414483	7400331	7374587	7396467	0.27	cps
Bromine	81-1	18395	17497	16740	17544	4.72	cps
Bromine	81-2	580	637	550	589	7.47	cps
Cadmium	108-1	10	17	7	11	45.82	cps
Cadmium	106-1	6275	6328	6475	6359	1.63	cps
Cadmium	111-1	1281	1287	1310	1293	1.18	cps
Calcium	43-1	2063	2084	1927	2025	4.21	cps
Calcium	44-1	44097	43272	43195	43521	1.15	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2667	2637	2587	2630	1.54	cps
Cobalt	59-2	157	160	173	163	5.40	cps
Copper	63-2	7349	7385	7585	7440	1.71	cps
Dysprosium	156-1	30	27	30	29	6.65	cps
Dysprosium	156-2	40	13	13	22	69.30	cps
Erbium	164-1	77	97	57	77	26.09	cps
Erbium	164-2	70	53	77	67	18.03	cps
Gadolinium	160-1	77	47	47	57	30.56	cps
Gadolinium	160-2	507	557	573	546	6.36	cps
Holmium	165-1	14020779	13870811	14063861	13985150	0.72	cps
Holmium	165-2	10817547	10625030	10619520	10687366	1.06	cps
Indium	115-1	11286266	11088595	11184935	11186599	0.88	cps
Indium	115-2	4954495	4937420	4897349	4929755	0.60	cps
Iron	56-2	87620	86282	87318	87073	0.81	cps
Iron	57-2	3340	2904	2874	3039	8.60	cps
Iron	54-2	6582	6491	6511	6528	0.72	cps
Krypton	83-1	187	167	147	167	12.00	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-08 Instrumnet Name : P7
Client Sample ID : MC0AG4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:36:21 DataFile Name : 065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1777	1733	1753	1755	1.24	cps
Lead	207-1	1447	1597	1367	1470	7.94	cps
Lead	208-1	6817	6574	6501	6631	2.50	cps
Lithium	6-1	1548119	1483450	1525213	1518927	2.16	cps
Magnesium	24-2	3934	3764	3740	3813	2.77	cps
Manganese	55-2	20818	21088	21505	21137	1.64	cps
Molybdenum	94-1	527	530	523	527	0.63	cps
Molybdenum	95-1	423	397	397	406	3.80	cps
Molybdenum	96-1	480	480	437	466	5.37	cps
Molybdenum	97-1	303	267	277	282	6.72	cps
Molybdenum	98-1	637	763	747	716	9.62	cps
Neodymium	150-1	40	20	37	32	33.25	cps
Neodymium	150-2	27	20	33	27	24.99	cps
Nickel	60-2	753	670	763	729	7.03	cps
Phosphorus	31-2	493	397	473	454	11.23	cps
Potassium	39-2	84144	83223	83681	83683	0.55	cps
Rhodium	103-1	10307494	10247438	10362445	10305792	0.56	cps
Rhodium	103-2	6708875	6630747	6583165	6640929	0.96	cps
Scandium	45-1	6077171	6071215	5992835	6047074	0.78	cps
Scandium	45-2	633272	626969	629975	630072	0.50	cps
Selenium	82-1	412	420	419	417	1.00	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	570	550	607	576	4.99	cps
Silicon	28-1	44038419	45186671	44770378	44665156	1.30	cps
Silver	107-1	207	227	173	202	13.32	cps
Silver	109-1	217	137	163	172	23.65	cps
Sodium	23-2	143198	136286	135742	138409	3.00	cps
Strontium	86-1	1813	1873	1753	1813	3.31	cps
Strontium	88-1	13967	13476	12996	13480	3.60	cps
Sulfur	34-1	147460	143906	140505	143957	2.42	cps
Terbium	159-1	14384496	14026569	14146911	14185992	1.28	cps
Terbium	159-2	10806877	10825767	10555247	10729297	1.41	cps
Thallium	203-1	263	240	250	251	4.66	cps
Thallium	205-1	687	607	603	632	7.46	cps
Tin	118-1	4497	4657	4731	4629	2.58	cps
Titanium	47-1	913	687	823	808	14.13	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-08 Instrumnet Name : P7
Client Sample ID : MC0AG4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:36:21 DataFile Name : 065SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	110	100	60	90	29.40	cps
Vanadium	51-2	143	120	110	124	13.75	cps
Yttrium	89-1	17162892	16858387	17099770	17040350	0.94	cps
Yttrium	89-2	5548989	5523590	5532296	5534958	0.23	cps
Zinc	66-2	2160	2314	2260	2245	3.47	cps
Zirconium	90-1	757	710	923	797	14.08	cps
Zirconium	91-1	163	143	143	150	7.70	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-09 Instrumnet Name : P7
Client Sample ID : MC0AH0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:39:36 DataFile Name : 066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1348101	1362002	1342018	1350707	0.76	cps
Antimony	121-1	3117	3114	3054	3095	1.15	cps
Arsenic	75-2	12892	12859	12949	12900	0.35	cps
Barium	135-1	10451	10914	11011	10792	2.78	cps
Barium	137-1	18382	18432	18896	18570	1.53	cps
Beryllium	9-1	97	97	117	103	11.17	cps
Bismuth	209-1	7767392	7869995	7847435	7828274	0.69	cps
Bismuth	209-2	6707749	6753327	6855431	6772169	1.12	cps
Bromine	81-1	32943	36054	37935	35644	7.07	cps
Bromine	81-2	6268	6735	6528	6510	3.59	cps
Cadmium	108-1	280	350	310	313	11.21	cps
Cadmium	106-1	6865	6568	6268	6567	4.54	cps
Cadmium	111-1	1227	1112	1070	1136	7.16	cps
Calcium	43-1	173745	173856	177714	175105	1.29	cps
Calcium	44-1	2758388	2838355	2834046	2810263	1.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	293832	293761	293289	293627	0.10	cps
Cobalt	59-2	1360	1297	1393	1350	3.64	cps
Copper	63-2	7035	7138	6938	7037	1.42	cps
Dysprosium	156-1	903	877	953	911	4.27	cps
Dysprosium	156-2	777	837	813	809	3.74	cps
Erbium	164-1	843	840	917	867	5.00	cps
Erbium	164-2	670	703	607	660	7.44	cps
Gadolinium	160-1	963	773	793	843	12.38	cps
Gadolinium	160-2	1080	1317	1200	1199	9.87	cps
Holmium	165-1	13519270	13501408	13656314	13558997	0.63	cps
Holmium	165-2	10562618	10552305	10662336	10592419	0.57	cps
Indium	115-1	10393876	10237517	10423119	10351504	0.96	cps
Indium	115-2	4762103	4601947	4690963	4685004	1.71	cps
Iron	56-2	1213958	1218954	1212868	1215260	0.27	cps
Iron	57-2	35225	35432	37639	36098	3.71	cps
Iron	54-2	77636	76748	78907	77764	1.40	cps
Krypton	83-1	123	220	187	177	27.79	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-09 Instrumnet Name : P7
Client Sample ID : MC0AH0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:39:36 DataFile Name : 066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5171	5618	5631	5473	4.79	cps
Lead	207-1	4391	4537	4511	4480	1.74	cps
Lead	208-1	20736	21427	21183	21115	1.66	cps
Lithium	6-1	1464272	1464422	1482785	1470493	0.72	cps
Magnesium	24-2	91363	90990	92429	91594	0.82	cps
Manganese	55-2	46786	47030	47408	47075	0.67	cps
Molybdenum	94-1	25436	25826	25960	25741	1.06	cps
Molybdenum	95-1	40222	41292	40924	40812	1.33	cps
Molybdenum	96-1	43451	44110	45006	44189	1.77	cps
Molybdenum	97-1	25042	25052	25158	25084	0.26	cps
Molybdenum	98-1	64682	65663	65432	65259	0.79	cps
Neodymium	150-1	857	923	940	907	4.86	cps
Neodymium	150-2	553	543	533	543	1.84	cps
Nickel	60-2	1983	1857	1940	1927	3.34	cps
Phosphorus	31-2	4417	4727	4411	4518	4.01	cps
Potassium	39-2	533566	535186	534701	534484	0.16	cps
Rhodium	103-1	9278831	9292393	9235969	9269064	0.32	cps
Rhodium	103-2	6197841	5993758	6087378	6092992	1.68	cps
Scandium	45-1	5782372	5781013	5888753	5817379	1.06	cps
Scandium	45-2	621768	624315	625630	623904	0.31	cps
Selenium	82-1	645	542	507	565	12.66	cps
Selenium	77-2	27	20	43	30	40.05	cps
Selenium	78-2	730	670	637	679	6.97	cps
Silicon	28-1	43070021	43326438	44096018	43497492	1.23	cps
Silver	107-1	2290	2220	2370	2294	3.27	cps
Silver	109-1	2100	2090	2164	2118	1.88	cps
Sodium	23-2	427091967	427234247	429147874	427824696	0.27	cps
Strontium	86-1	167854	172170	173235	171086	1.67	cps
Strontium	88-1	1499091	1551545	1556115	1535583	2.06	cps
Sulfur	34-1	16688809	16740385	17095232	16841475	1.31	cps
Terbium	159-1	14082149	13955498	13988827	14008825	0.47	cps
Terbium	159-2	10567226	10632138	10646333	10615232	0.40	cps
Thallium	203-1	253	257	250	253	1.31	cps
Thallium	205-1	497	547	547	530	5.45	cps
Tin	118-1	9965	10174	9310	9816	4.59	cps
Titanium	47-1	11422	12718	10604	11582	9.21	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-09 Instrumnet Name : P7
Client Sample ID : MC0AH0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:39:36 DataFile Name : 066SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	27589	27806	27585	27660	0.46	cps
Vanadium	51-2	133279	132569	132596	132815	0.30	cps
Yttrium	89-1	16375783	16334099	16537335	16415739	0.65	cps
Yttrium	89-2	5449090	5285223	5403771	5379361	1.57	cps
Zinc	66-2	1963	1950	1957	1957	0.34	cps
Zirconium	90-1	5651	6693	6158	6167	8.45	cps
Zirconium	91-1	1377	1383	1507	1422	5.15	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-10 Instrumnet Name : P7
Client Sample ID : MC0AE6 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:42:50 DataFile Name : 067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	447900	444689	441425	444671	0.73	cps
Antimony	121-1	2490	2534	2407	2477	2.60	cps
Arsenic	75-2	3767	3721	3864	3784	1.93	cps
Barium	135-1	153052	154743	155418	154404	0.79	cps
Barium	137-1	263896	264808	265991	264898	0.40	cps
Beryllium	9-1	427	460	460	449	4.29	cps
Bismuth	209-1	8652547	8387298	8424968	8488271	1.69	cps
Bismuth	209-2	7313233	7279018	7229027	7273759	0.58	cps
Bromine	81-1	26871	29813	31547	29411	8.04	cps
Bromine	81-2	4384	4624	4634	4547	3.11	cps
Cadmium	108-1	103	83	123	103	19.36	cps
Cadmium	106-1	6655	6602	6291	6516	3.01	cps
Cadmium	111-1	2352	2385	2222	2320	3.72	cps
Calcium	43-1	1285178	1290991	1279505	1285225	0.45	cps
Calcium	44-1	20480950	20634415	20663606	20592990	0.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8036	8092	7739	7955	2.39	cps
Cobalt	59-2	3157	3290	3267	3238	2.20	cps
Copper	63-2	112025	110319	109121	110488	1.32	cps
Dysprosium	156-1	5098	5184	5288	5190	1.83	cps
Dysprosium	156-2	5088	4794	5121	5001	3.60	cps
Erbium	164-1	4637	4617	4591	4615	0.51	cps
Erbium	164-2	3594	3621	3590	3602	0.46	cps
Gadolinium	160-1	5081	5121	5061	5088	0.60	cps
Gadolinium	160-2	4564	4521	4491	4525	0.82	cps
Holmium	165-1	14395786	13968012	13943479	14102426	1.80	cps
Holmium	165-2	10825115	10819987	10642301	10762467	0.97	cps
Indium	115-1	11417346	11193783	11115436	11242188	1.39	cps
Indium	115-2	4871933	4964449	4923717	4920033	0.94	cps
Iron	56-2	4676456	4604892	4563690	4615013	1.24	cps
Iron	57-2	151764	151932	148960	150885	1.11	cps
Iron	54-2	256477	255622	251224	254441	1.11	cps
Krypton	83-1	157	157	210	174	17.65	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-10 Instrumnet Name : P7
Client Sample ID : MC0AE6 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:42:50 DataFile Name : 067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	26830	27518	27481	27276	1.42	cps
Lead	207-1	21934	22719	29018	24557	15.81	cps
Lead	208-1	102704	105820	110968	106497	3.92	cps
Lithium	6-1	1492932	1510042	1517413	1506796	0.83	cps
Magnesium	24-2	4088268	4146202	4100735	4111735	0.74	cps
Manganese	55-2	267661	265305	266336	266434	0.44	cps
Molybdenum	94-1	19403	19844	19039	19429	2.07	cps
Molybdenum	95-1	26564	25893	26621	26359	1.54	cps
Molybdenum	96-1	28190	30027	29229	29149	3.16	cps
Molybdenum	97-1	16499	16890	16693	16694	1.17	cps
Molybdenum	98-1	41907	42836	42458	42400	1.10	cps
Neodymium	150-1	8313	8076	7629	8006	4.34	cps
Neodymium	150-2	5294	5791	5404	5497	4.75	cps
Nickel	60-2	2617	2394	2640	2550	5.34	cps
Phosphorus	31-2	977	913	903	931	4.27	cps
Potassium	39-2	1172647	1183725	1163406	1173260	0.87	cps
Rhodium	103-1	10485647	10251157	10053127	10263310	2.11	cps
Rhodium	103-2	6570883	6516844	6497756	6528494	0.58	cps
Scandium	45-1	6289833	6026917	5984146	6100299	2.71	cps
Scandium	45-2	639811	638472	636015	638100	0.30	cps
Selenium	82-1	524	441	425	463	11.47	cps
Selenium	77-2	27	33	17	26	32.81	cps
Selenium	78-2	610	517	653	593	11.77	cps
Silicon	28-1	49313656	50107519	49616121	49679099	0.81	cps
Silver	107-1	300	307	297	301	1.69	cps
Silver	109-1	183	203	250	212	16.12	cps
Sodium	23-2	17920812	18171263	17669201	17920425	1.40	cps
Strontium	86-1	6855204	7009937	6876693	6913945	1.21	cps
Strontium	88-1	60152951	61590707	60908599	60884086	1.18	cps
Sulfur	34-1	375475	377300	376389	376388	0.24	cps
Terbium	159-1	14761539	14475208	14331714	14522820	1.51	cps
Terbium	159-2	10763258	10863133	10825598	10817329	0.47	cps
Thallium	203-1	400	437	353	397	10.53	cps
Thallium	205-1	1067	993	873	978	9.98	cps
Tin	118-1	3727	3607	3831	3722	3.00	cps
Titanium	47-1	21876	21555	21966	21799	0.99	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-10 Instrumnet Name : P7
Client Sample ID : MC0AE6 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:42:50 DataFile Name : 067SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	191872	192033	192682	192196	0.22	cps
Vanadium	51-2	9356	9170	9163	9230	1.19	cps
Yttrium	89-1	17836621	17397331	17279631	17504528	1.68	cps
Yttrium	89-2	5542501	5542386	5540006	5541631	0.03	cps
Zinc	66-2	7835	8039	7862	7912	1.40	cps
Zirconium	90-1	11255	11308	11641	11401	1.84	cps
Zirconium	91-1	2577	2647	2580	2601	1.52	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-11 Instrumnet Name : P7
Client Sample ID : MC0AF0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:45:58 DataFile Name : 068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	29506	29823	30348	29892	1.42	cps
Antimony	121-1	2137	2110	2180	2142	1.65	cps
Arsenic	75-2	8619	8112	8216	8316	3.22	cps
Barium	135-1	183820	184324	184586	184243	0.21	cps
Barium	137-1	315124	319340	318424	317629	0.70	cps
Beryllium	9-1	83	67	60	70	17.17	cps
Bismuth	209-1	8377537	8237556	8320617	8311903	0.85	cps
Bismuth	209-2	7268528	7167778	7110295	7182200	1.12	cps
Bromine	81-1	24971	25739	27272	25994	4.51	cps
Bromine	81-2	3550	3634	3600	3595	1.17	cps
Cadmium	108-1	180	210	220	203	10.24	cps
Cadmium	106-1	6235	6502	6452	6396	2.22	cps
Cadmium	111-1	1224	1247	1233	1235	0.91	cps
Calcium	43-1	1381296	1374498	1376324	1377372	0.26	cps
Calcium	44-1	22223970	22664857	22510676	22466501	1.00	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16826	17150	17076	17018	1.00	cps
Cobalt	59-2	1107	1170	1130	1136	2.82	cps
Copper	63-2	10147	10437	10317	10300	1.42	cps
Dysprosium	156-1	227	233	193	218	9.84	cps
Dysprosium	156-2	127	157	163	149	13.12	cps
Erbium	164-1	210	253	253	239	10.47	cps
Erbium	164-2	170	190	170	177	6.54	cps
Gadolinium	160-1	173	207	170	183	11.06	cps
Gadolinium	160-2	677	630	717	674	6.43	cps
Holmium	165-1	14004404	13832894	13754888	13864062	0.92	cps
Holmium	165-2	10660029	10691655	10594587	10648757	0.46	cps
Indium	115-1	10843927	10814525	10832943	10830465	0.14	cps
Indium	115-2	4870983	4813051	4799773	4827936	0.78	cps
Iron	56-2	505891	503579	504009	504493	0.24	cps
Iron	57-2	51936	53016	52418	52457	1.03	cps
Iron	54-2	30929	30525	28935	30129	3.50	cps
Krypton	83-1	153	177	173	168	7.52	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-11 Instrumnet Name : P7
Client Sample ID : MC0AF0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:45:58 DataFile Name : 068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2024	2030	1967	2007	1.73	cps
Lead	207-1	1827	1633	1763	1741	5.66	cps
Lead	208-1	7668	7764	7911	7781	1.58	cps
Lithium	6-1	1507910	1497142	1503956	1503003	0.36	cps
Magnesium	24-2	4585430	4554407	4476979	4538939	1.23	cps
Manganese	55-2	216460	213019	211695	213725	1.15	cps
Molybdenum	94-1	98978	102663	101569	101070	1.87	cps
Molybdenum	95-1	174743	175407	174754	174968	0.22	cps
Molybdenum	96-1	188121	186459	189112	187897	0.71	cps
Molybdenum	97-1	111112	110618	108696	110142	1.16	cps
Molybdenum	98-1	282674	284366	282745	283262	0.34	cps
Neodymium	150-1	287	240	293	273	10.63	cps
Neodymium	150-2	207	147	180	178	16.91	cps
Nickel	60-2	1413	1327	1373	1371	3.16	cps
Phosphorus	31-2	717	723	573	671	12.63	cps
Potassium	39-2	1167654	1164024	1170738	1167472	0.29	cps
Rhodium	103-1	9887344	9968788	9932663	9929598	0.41	cps
Rhodium	103-2	6558742	6405171	6388836	6450916	1.45	cps
Scandium	45-1	5955165	5966334	5913053	5944851	0.47	cps
Scandium	45-2	626132	624629	624862	625208	0.13	cps
Selenium	82-1	476	412	453	447	7.25	cps
Selenium	77-2	7	3	0	3	100.05	cps
Selenium	78-2	640	597	600	612	3.94	cps
Silicon	28-1	39404055	40234299	39657366	39765240	1.07	cps
Silver	107-1	183	200	147	177	15.44	cps
Silver	109-1	93	83	67	81	16.60	cps
Sodium	23-2	29008883	28628190	28456613	28697895	0.98	cps
Strontium	86-1	7300564	7323663	7272214	7298814	0.35	cps
Strontium	88-1	64420011	64391042	64454887	64421980	0.05	cps
Sulfur	34-1	995647	1003237	999556	999480	0.38	cps
Terbium	159-1	14260024	14215879	14219671	14231858	0.17	cps
Terbium	159-2	10652943	10700824	10696449	10683405	0.25	cps
Thallium	203-1	310	277	317	301	7.12	cps
Thallium	205-1	600	623	663	629	5.09	cps
Tin	118-1	1907	1910	2037	1951	3.80	cps
Titanium	47-1	3030	2910	2967	2969	2.02	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-11 Instrumnet Name : P7
Client Sample ID : MC0AF0 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:45:58 DataFile Name : 068SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	146883	146697	147092	146891	0.13	cps
Vanadium	51-2	18295	18735	18835	18622	1.54	cps
Yttrium	89-1	16998111	16998731	16975957	16990933	0.08	cps
Yttrium	89-2	5527144	5453622	5415655	5465474	1.04	cps
Zinc	66-2	2734	2870	2820	2808	2.46	cps
Zirconium	90-1	1567	1630	1500	1566	4.15	cps
Zirconium	91-1	420	467	373	420	11.11	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-12 Instrumnet Name : P7
Client Sample ID : MC0AF1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:49:09 DataFile Name : 069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	373873	372664	372001	372846	0.25	cps
Antimony	121-1	24631	24952	25299	24961	1.34	cps
Arsenic	75-2	6848	6638	6915	6801	2.12	cps
Barium	135-1	90938	92880	93511	92443	1.45	cps
Barium	137-1	157689	159578	161439	159568	1.17	cps
Beryllium	9-1	190	220	253	221	14.33	cps
Bismuth	209-1	8309961	8414479	8405342	8376594	0.69	cps
Bismuth	209-2	7279434	7376002	7252670	7302702	0.89	cps
Bromine	81-1	28805	32897	33592	31764	8.14	cps
Bromine	81-2	5171	5234	5164	5190	0.74	cps
Cadmium	108-1	97	103	103	101	3.81	cps
Cadmium	106-1	6238	5908	6301	6149	3.44	cps
Cadmium	111-1	1310	1263	1401	1325	5.32	cps
Calcium	43-1	339844	343534	344093	342490	0.67	cps
Calcium	44-1	5374982	5444913	5396892	5405595	0.66	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	58379	59935	58429	58914	1.50	cps
Cobalt	59-2	6662	6822	6875	6786	1.64	cps
Copper	63-2	35840	35990	34379	35403	2.51	cps
Dysprosium	156-1	3777	3631	3751	3719	2.10	cps
Dysprosium	156-2	3580	3440	3701	3574	3.64	cps
Erbium	164-1	3367	3550	3377	3432	3.00	cps
Erbium	164-2	2770	2740	2760	2757	0.55	cps
Gadolinium	160-1	3554	3594	3570	3573	0.56	cps
Gadolinium	160-2	3474	3420	3404	3433	1.07	cps
Holmium	165-1	13854493	13938655	13989783	13927644	0.49	cps
Holmium	165-2	10945155	11037973	10825877	10936335	0.97	cps
Indium	115-1	10853600	10869737	10853283	10858873	0.09	cps
Indium	115-2	4893788	4940624	4899363	4911258	0.52	cps
Iron	56-2	9658825	9634475	9555888	9616396	0.56	cps
Iron	57-2	251997	250736	254209	252314	0.70	cps
Iron	54-2	534998	535434	532903	534445	0.25	cps
Krypton	83-1	183	167	170	173	5.09	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-12 Instrumnet Name : P7
Client Sample ID : MC0AF1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:49:09 DataFile Name : 069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	14228	14658	14521	14469	1.52	cps
Lead	207-1	12119	12486	12206	12270	1.56	cps
Lead	208-1	56406	57271	57251	56976	0.87	cps
Lithium	6-1	1492942	1546512	1523509	1520988	1.77	cps
Magnesium	24-2	3484947	3418827	3345772	3416515	2.04	cps
Manganese	55-2	322585	318771	318745	320033	0.69	cps
Molybdenum	94-1	182844	185153	186502	184833	1.00	cps
Molybdenum	95-1	314657	316753	319548	316986	0.77	cps
Molybdenum	96-1	336344	339451	345561	340452	1.38	cps
Molybdenum	97-1	196810	196910	198927	197549	0.60	cps
Molybdenum	98-1	507541	512986	514850	511792	0.74	cps
Neodymium	150-1	5575	5705	5428	5569	2.49	cps
Neodymium	150-2	3977	3984	3861	3941	1.76	cps
Nickel	60-2	7332	7375	7585	7431	1.82	cps
Phosphorus	31-2	1380	1340	1340	1353	1.71	cps
Potassium	39-2	19908223	20117831	20038011	20021355	0.53	cps
Rhodium	103-1	9750721	9941348	9931715	9874595	1.09	cps
Rhodium	103-2	6477719	6453928	6438331	6456659	0.31	cps
Scandium	45-1	5881774	5935532	5957281	5924862	0.66	cps
Scandium	45-2	631958	630660	638802	633807	0.69	cps
Selenium	82-1	506	505	487	499	2.14	cps
Selenium	77-2	33	27	27	29	13.31	cps
Selenium	78-2	647	610	593	617	4.42	cps
Silicon	28-1	33579548	34274984	34485351	34113294	1.39	cps
Silver	107-1	353	410	347	370	9.41	cps
Silver	109-1	297	327	313	312	4.81	cps
Sodium	23-2	103910812	102632385	102074928	102872708	0.91	cps
Strontium	86-1	2720838	2734627	2711377	2722281	0.43	cps
Strontium	88-1	23680060	23680898	24082692	23814550	0.98	cps
Sulfur	34-1	4623595	4775473	4778105	4725724	1.87	cps
Terbium	159-1	14287475	14337479	14401846	14342267	0.40	cps
Terbium	159-2	10835437	10913962	10896349	10881916	0.38	cps
Thallium	203-1	433	567	487	496	13.54	cps
Thallium	205-1	1107	1080	1153	1113	3.33	cps
Tin	118-1	14070	14240	14304	14205	0.85	cps
Titanium	47-1	43636	45594	45114	44781	2.28	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-12 Instrumnet Name : P7
Client Sample ID : MC0AF1 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:49:09 DataFile Name : 069SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	296517	299301	297939	297919	0.47	cps
Vanadium	51-2	36608	37543	37359	37170	1.33	cps
Yttrium	89-1	17016011	17029167	17132000	17059059	0.37	cps
Yttrium	89-2	5538947	5558477	5489470	5528964	0.64	cps
Zinc	66-2	25165	24580	24841	24862	1.18	cps
Zirconium	90-1	12725	12689	12475	12630	1.07	cps
Zirconium	91-1	2697	2560	2664	2640	2.70	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-13 Instrumnet Name : P7
Client Sample ID : MC0AF5 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:52:16 DataFile Name : 070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1982073	1992409	1972540	1982340	0.50	cps
Antimony	121-1	6068	6015	5938	6007	1.09	cps
Arsenic	75-2	4918	4838	4818	4858	1.09	cps
Barium	135-1	619462	627198	634328	626996	1.19	cps
Barium	137-1	1067497	1091672	1093822	1084331	1.35	cps
Beryllium	9-1	743	740	787	757	3.44	cps
Bismuth	209-1	7738463	7873325	7859548	7823779	0.95	cps
Bismuth	209-2	6746896	6752724	6718259	6739293	0.27	cps
Bromine	81-1	62613	77693	83116	74474	14.27	cps
Bromine	81-2	18288	18889	18608	18595	1.62	cps
Cadmium	108-1	380	413	350	381	8.31	cps
Cadmium	106-1	6535	6305	6485	6441	1.88	cps
Cadmium	111-1	1144	1112	1192	1149	3.52	cps
Calcium	43-1	5333040	5444480	5504537	5427352	1.60	cps
Calcium	44-1	87061392	89497009	88717395	88425265	1.41	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	241146	237482	237440	238689	0.89	cps
Cobalt	59-2	45118	44332	44964	44804	0.93	cps
Copper	63-2	407472	404259	405712	405814	0.40	cps
Dysprosium	156-1	20659	21116	21146	20973	1.30	cps
Dysprosium	156-2	20672	19887	20482	20347	2.01	cps
Erbium	164-1	18242	18456	18369	18355	0.59	cps
Erbium	164-2	14054	14251	14287	14197	0.88	cps
Gadolinium	160-1	19784	20171	20308	20088	1.35	cps
Gadolinium	160-2	16743	16633	16213	16530	1.69	cps
Holmium	165-1	13815699	13965591	13923234	13901508	0.56	cps
Holmium	165-2	10796730	10673908	10747510	10739382	0.58	cps
Indium	115-1	10347474	10333332	10552859	10411222	1.18	cps
Indium	115-2	4598900	4535486	4634283	4589557	1.09	cps
Iron	56-2	65475961	65770356	66205666	65817327	0.56	cps
Iron	57-2	1794695	1769962	1799991	1788216	0.90	cps
Iron	54-2	3652322	3564208	3579862	3598797	1.31	cps
Krypton	83-1	223	237	307	256	17.52	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-13 Instrumnet Name : P7
Client Sample ID : MC0AF5 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:52:16 DataFile Name : 070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	35627	36566	36673	36288	1.59	cps
Lead	207-1	29432	30741	30715	30296	2.47	cps
Lead	208-1	136840	141404	141595	139947	1.92	cps
Lithium	6-1	1446454	1450590	1441065	1446036	0.33	cps
Magnesium	24-2	11430047	11466222	11452832	11449700	0.16	cps
Manganese	55-2	2425323	2381864	2406612	2404600	0.91	cps
Molybdenum	94-1	48413	48918	50948	49427	2.71	cps
Molybdenum	95-1	32456	33408	33535	33133	1.78	cps
Molybdenum	96-1	40252	41489	40860	40867	1.51	cps
Molybdenum	97-1	20725	20908	21032	20888	0.74	cps
Molybdenum	98-1	51962	53969	54561	53497	2.55	cps
Neodymium	150-1	33232	33369	33416	33339	0.29	cps
Neodymium	150-2	22545	22375	23032	22651	1.51	cps
Nickel	60-2	30224	29436	29285	29648	1.70	cps
Phosphorus	31-2	4954	4994	4907	4952	0.88	cps
Potassium	39-2	8231847	8099280	8287279	8206136	1.18	cps
Rhodium	103-1	9176421	9101820	9271708	9183316	0.93	cps
Rhodium	103-2	5999671	5989266	6082307	6023748	0.85	cps
Scandium	45-1	5709948	5762164	5815544	5762552	0.92	cps
Scandium	45-2	618609	612928	617548	616362	0.49	cps
Selenium	82-1	835	1018	907	920	10.02	cps
Selenium	77-2	97	77	103	92	15.05	cps
Selenium	78-2	643	700	747	697	7.43	cps
Silicon	28-1	74014507	75770974	75816014	75200498	1.37	cps
Silver	107-1	640	593	753	662	12.43	cps
Silver	109-1	517	643	547	569	11.64	cps
Sodium	23-2	434952474	437838913	439464993	437418793	0.52	cps
Strontium	86-1	4739659	4804461	4822427	4788849	0.91	cps
Strontium	88-1	41672132	42270771	42589830	42177578	1.10	cps
Sulfur	34-1	32770298	34087477	34142205	33666660	2.31	cps
Terbium	159-1	14256662	13966276	14129186	14117375	1.03	cps
Terbium	159-2	10509562	10545501	10742227	10599097	1.18	cps
Thallium	203-1	1643	1693	1760	1699	3.45	cps
Thallium	205-1	3994	4114	4114	4074	1.70	cps
Tin	118-1	6738	6925	7169	6944	3.11	cps
Titanium	47-1	377618	387880	392232	385910	1.94	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-13 Instrumnet Name : P7
Client Sample ID : MC0AF5 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:52:16 DataFile Name : 070SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	88263	90233	91703	90066	1.92	cps
Vanadium	51-2	114060	112751	113143	113318	0.59	cps
Yttrium	89-1	16645760	16482789	16901277	16676609	1.26	cps
Yttrium	89-2	5443857	5395897	5432152	5423969	0.46	cps
Zinc	66-2	44630	43600	44439	44223	1.24	cps
Zirconium	90-1	79899	81689	81464	81017	1.20	cps
Zirconium	91-1	18146	17668	18485	18100	2.27	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-14 Instrumnet Name : P7
Client Sample ID : MC0AF6 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:55:23 DataFile Name : 071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4814	4768	4961	4848	2.08	cps
Antimony	121-1	12909	12839	12729	12826	0.71	cps
Arsenic	75-2	4878	4714	5031	4874	3.25	cps
Barium	135-1	72276	72718	72852	72615	0.42	cps
Barium	137-1	125258	125131	125135	125175	0.06	cps
Beryllium	9-1	50	60	57	56	9.17	cps
Bismuth	209-1	8775400	8737002	8692319	8734907	0.48	cps
Bismuth	209-2	7539855	7465410	7531072	7512112	0.54	cps
Bromine	81-1	31507	33414	34941	33288	5.17	cps
Bromine	81-2	5071	5258	5118	5149	1.89	cps
Cadmium	108-1	57	23	20	33	60.84	cps
Cadmium	106-1	6625	6535	6265	6475	2.89	cps
Cadmium	111-1	1339	1331	1306	1325	1.30	cps
Calcium	43-1	1344834	1367038	1368125	1359999	0.97	cps
Calcium	44-1	21823714	22214768	22100776	22046419	0.91	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3064	3024	3267	3118	4.19	cps
Cobalt	59-2	660	667	667	664	0.58	cps
Copper	63-2	38984	38606	38105	38565	1.14	cps
Dysprosium	156-1	87	100	80	89	11.46	cps
Dysprosium	156-2	103	77	77	86	17.99	cps
Erbium	164-1	120	143	173	146	18.37	cps
Erbium	164-2	97	90	100	96	5.33	cps
Gadolinium	160-1	117	147	97	120	20.97	cps
Gadolinium	160-2	570	650	623	614	6.63	cps
Holmium	165-1	14660400	14363722	14269570	14431231	1.41	cps
Holmium	165-2	11102882	11007148	10877481	10995837	1.03	cps
Indium	115-1	11465331	11387989	11344130	11399150	0.54	cps
Indium	115-2	5014976	4987329	4983167	4995158	0.35	cps
Iron	56-2	119769	119419	121791	120326	1.06	cps
Iron	57-2	42443	42296	43152	42630	1.07	cps
Iron	54-2	8419	8472	7929	8273	3.62	cps
Krypton	83-1	187	147	133	156	17.84	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-14 Instrumnet Name : P7
Client Sample ID : MC0AF6 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:55:23 DataFile Name : 071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1947	1833	1907	1896	3.03	cps
Lead	207-1	1690	1643	1567	1633	3.81	cps
Lead	208-1	7594	7481	7734	7603	1.67	cps
Lithium	6-1	1569826	1556798	1509903	1545509	2.04	cps
Magnesium	24-2	4054070	3963434	3947077	3988194	1.45	cps
Manganese	55-2	26844	26897	26073	26605	1.73	cps
Molybdenum	94-1	36556	37692	37043	37097	1.54	cps
Molybdenum	95-1	63273	63641	64572	63828	1.05	cps
Molybdenum	96-1	68051	68928	68760	68580	0.68	cps
Molybdenum	97-1	39463	40543	40536	40181	1.55	cps
Molybdenum	98-1	102305	103963	103201	103156	0.80	cps
Neodymium	150-1	150	130	140	140	7.14	cps
Neodymium	150-2	97	67	70	78	21.14	cps
Nickel	60-2	793	960	977	910	11.14	cps
Phosphorus	31-2	487	447	510	481	6.66	cps
Potassium	39-2	1168994	1167833	1161843	1166223	0.33	cps
Rhodium	103-1	10575968	10455504	10463382	10498284	0.64	cps
Rhodium	103-2	6792038	6720279	6667275	6726531	0.93	cps
Scandium	45-1	6201714	6158172	6186284	6182057	0.36	cps
Scandium	45-2	649193	649179	648269	648880	0.08	cps
Selenium	82-1	497	509	540	515	4.23	cps
Selenium	77-2	3	3	0	2	86.60	cps
Selenium	78-2	593	613	560	589	4.57	cps
Silicon	28-1	34762949	36064209	35439697	35422285	1.84	cps
Silver	107-1	163	177	147	162	9.27	cps
Silver	109-1	100	103	103	102	1.88	cps
Sodium	23-2	15865295	15826443	15452146	15714628	1.45	cps
Strontium	86-1	4227451	4237952	4258367	4241257	0.37	cps
Strontium	88-1	36994309	37519133	37165697	37226380	0.72	cps
Sulfur	34-1	449348	451636	448305	449763	0.38	cps
Terbium	159-1	14869187	14699968	14854484	14807880	0.63	cps
Terbium	159-2	11227162	11106952	10993427	11109180	1.05	cps
Thallium	203-1	1127	1117	1173	1139	2.66	cps
Thallium	205-1	2654	2644	2650	2649	0.19	cps
Tin	118-1	2227	2374	2147	2249	5.11	cps
Titanium	47-1	1083	1140	1003	1076	6.38	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-14 Instrumnet Name : P7
Client Sample ID : MC0AF6 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:55:23 DataFile Name : 071SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	183512	186071	189458	186347	1.60	cps
Vanadium	51-2	12355	12115	12035	12168	1.37	cps
Yttrium	89-1	17788644	17754769	17488362	17677258	0.93	cps
Yttrium	89-2	5647991	5628526	5577110	5617876	0.65	cps
Zinc	66-2	3844	3684	3634	3721	2.95	cps
Zirconium	90-1	930	2001	903	1278	48.98	cps
Zirconium	91-1	207	213	203	208	2.45	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-15 Instrumnet Name : P7
Client Sample ID : MC0AF7 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:58:32 DataFile Name : 072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	22293	22236	22657	22396	1.02	cps
Antimony	121-1	425427	426595	429018	427013	0.43	cps
Arsenic	75-2	3674	3684	3647	3668	0.52	cps
Barium	135-1	154966	156584	156266	155939	0.55	cps
Barium	137-1	271980	271705	271038	271574	0.18	cps
Beryllium	9-1	80	77	67	74	9.32	cps
Bismuth	209-1	8809532	8692694	8751300	8751175	0.67	cps
Bismuth	209-2	7453693	7466534	7303139	7407789	1.23	cps
Bromine	81-1	26804	27823	28811	27813	3.61	cps
Bromine	81-2	3657	3527	3701	3628	2.49	cps
Cadmium	108-1	40	40	50	43	13.32	cps
Cadmium	106-1	6455	6642	6552	6549	1.43	cps
Cadmium	111-1	1413	1454	1429	1432	1.43	cps
Calcium	43-1	1497682	1508384	1518851	1508306	0.70	cps
Calcium	44-1	24290193	24102000	24314182	24235458	0.48	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	12465	12025	12198	12229	1.81	cps
Cobalt	59-2	1537	1473	1483	1498	2.27	cps
Copper	63-2	206224	206373	205497	206031	0.23	cps
Dysprosium	156-1	140	143	173	152	12.06	cps
Dysprosium	156-2	167	200	177	181	9.44	cps
Erbium	164-1	237	197	233	222	9.99	cps
Erbium	164-2	180	153	197	177	12.37	cps
Gadolinium	160-1	147	140	217	168	25.31	cps
Gadolinium	160-2	713	713	633	687	6.73	cps
Holmium	165-1	14368088	14219854	14179326	14255756	0.70	cps
Holmium	165-2	10980974	11026764	11018776	11008838	0.22	cps
Indium	115-1	11312944	11285428	11213255	11270542	0.46	cps
Indium	115-2	4968717	4923863	4950590	4947723	0.46	cps
Iron	56-2	365125	365319	368929	366458	0.58	cps
Iron	57-2	52190	53318	53154	52887	1.15	cps
Iron	54-2	21913	21475	21903	21764	1.15	cps
Krypton	83-1	183	173	173	177	3.27	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-15 Instrumnet Name : P7
Client Sample ID : MC0AF7 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:58:32 DataFile Name : 072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4738	4604	4774	4705	1.90	cps
Lead	207-1	4151	4241	4227	4206	1.16	cps
Lead	208-1	18985	19109	19102	19065	0.36	cps
Lithium	6-1	1573715	1572408	1546652	1564258	0.98	cps
Magnesium	24-2	4953177	4923833	4936963	4937991	0.30	cps
Manganese	55-2	74051	73857	72768	73559	0.94	cps
Molybdenum	94-1	97680	97921	98555	98052	0.46	cps
Molybdenum	95-1	167426	169576	171350	169451	1.16	cps
Molybdenum	96-1	180233	182612	184960	182602	1.29	cps
Molybdenum	97-1	105410	107548	107546	106835	1.16	cps
Molybdenum	98-1	273197	276695	276904	275599	0.76	cps
Neodymium	150-1	313	260	237	270	14.56	cps
Neodymium	150-2	157	173	180	170	7.07	cps
Nickel	60-2	7946	8039	8279	8088	2.13	cps
Phosphorus	31-2	980	993	1000	991	1.03	cps
Potassium	39-2	2506217	2493247	2484001	2494489	0.45	cps
Rhodium	103-1	10377587	10329268	10308810	10338555	0.34	cps
Rhodium	103-2	6620465	6561216	6602218	6594633	0.46	cps
Scandium	45-1	6187391	6080506	6088144	6118681	0.97	cps
Scandium	45-2	643336	640561	640345	641414	0.26	cps
Selenium	82-1	493	504	474	490	3.19	cps
Selenium	77-2	10	0	3	4	114.60	cps
Selenium	78-2	583	607	630	607	3.85	cps
Silicon	28-1	26402915	26610630	26745577	26586374	0.65	cps
Silver	107-1	207	160	170	179	13.74	cps
Silver	109-1	73	103	97	91	17.29	cps
Sodium	23-2	23998315	24248252	23966874	24071147	0.64	cps
Strontium	86-1	6075301	6130222	6142753	6116092	0.59	cps
Strontium	88-1	54051479	54221663	54030531	54101224	0.19	cps
Sulfur	34-1	1275890	1286078	1289725	1283897	0.56	cps
Terbium	159-1	14910778	14606704	14739813	14752432	1.03	cps
Terbium	159-2	10995117	11058639	10723582	10925779	1.63	cps
Thallium	203-1	457	443	370	423	11.02	cps
Thallium	205-1	940	1023	923	962	5.57	cps
Tin	118-1	2560	2840	2767	2723	5.33	cps
Titanium	47-1	2240	2227	2307	2258	1.90	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-15 Instrumnet Name : P7
Client Sample ID : MC0AF7 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 17:58:32 DataFile Name : 072SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	238895	241654	240728	240426	0.58	cps
Vanadium	51-2	6071	6291	5941	6101	2.90	cps
Yttrium	89-1	17909100	17466908	17229437	17535148	1.97	cps
Yttrium	89-2	5604236	5575659	5533143	5571013	0.64	cps
Zinc	66-2	18205	18068	18188	18153	0.41	cps
Zirconium	90-1	1683	1790	1653	1709	4.21	cps
Zirconium	91-1	343	363	357	354	2.87	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-16 Instrumnet Name : P7
Client Sample ID : MC0AE3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:01:42 DataFile Name : 073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	158907	158189	161431	159509	1.07	cps
Antimony	121-1	15745	15879	15719	15781	0.54	cps
Arsenic	75-2	1907	1900	1817	1875	2.68	cps
Barium	135-1	136325	138240	138802	137789	0.94	cps
Barium	137-1	238057	238653	240043	238918	0.43	cps
Beryllium	9-1	120	163	137	140	15.61	cps
Bismuth	209-1	8692923	8756004	8400784	8616570	2.20	cps
Bismuth	209-2	7387594	7353649	7421143	7387462	0.46	cps
Bromine	81-1	27906	29246	31590	29581	6.30	cps
Bromine	81-2	4754	4594	4881	4743	3.03	cps
Cadmium	108-1	123	97	113	111	12.12	cps
Cadmium	106-1	6712	6612	5981	6435	6.15	cps
Cadmium	111-1	1569	1541	1444	1518	4.35	cps
Calcium	43-1	1206690	1178821	1215003	1200171	1.58	cps
Calcium	44-1	19212225	19191531	19224288	19209348	0.09	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21425	20991	21172	21196	1.03	cps
Cobalt	59-2	3934	3767	3894	3865	2.25	cps
Copper	63-2	1509894	1466976	1463253	1480041	1.75	cps
Dysprosium	156-1	3500	3714	3901	3705	5.40	cps
Dysprosium	156-2	3490	3687	3297	3492	5.59	cps
Erbium	164-1	3777	3847	3647	3757	2.70	cps
Erbium	164-2	2777	2860	2874	2837	1.85	cps
Gadolinium	160-1	3607	3667	3544	3606	1.71	cps
Gadolinium	160-2	3300	3254	3277	3277	0.71	cps
Holmium	165-1	14285659	14218558	13770920	14091712	1.99	cps
Holmium	165-2	10836114	10997654	10858208	10897326	0.80	cps
Indium	115-1	11176986	11141418	10847569	11055324	1.64	cps
Indium	115-2	4852771	4933328	4908526	4898208	0.84	cps
Iron	56-2	3949747	3973208	4027950	3983635	1.01	cps
Iron	57-2	133127	133308	135393	133943	0.94	cps
Iron	54-2	220367	223261	221292	221640	0.67	cps
Krypton	83-1	230	170	160	187	20.28	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-16 Instrumnet Name : P7
Client Sample ID : MC0AE3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:01:42 DataFile Name : 073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	35316	35840	36352	35836	1.45	cps
Lead	207-1	30521	30511	30855	30629	0.64	cps
Lead	208-1	140008	140877	141254	140713	0.45	cps
Lithium	6-1	1561330	1545805	1523649	1543595	1.23	cps
Magnesium	24-2	3463241	3498493	3511909	3491214	0.72	cps
Manganese	55-2	203831	201071	203132	202678	0.71	cps
Molybdenum	94-1	84864	84807	85441	85037	0.41	cps
Molybdenum	95-1	139463	139972	139615	139683	0.19	cps
Molybdenum	96-1	148967	150502	151041	150170	0.72	cps
Molybdenum	97-1	87594	86879	88442	87638	0.89	cps
Molybdenum	98-1	223902	226465	226700	225689	0.69	cps
Neodymium	150-1	5945	6038	5918	5967	1.06	cps
Neodymium	150-2	4017	4231	4241	4163	3.03	cps
Nickel	60-2	9290	9059	9019	9123	1.60	cps
Phosphorus	31-2	1227	1133	1163	1175	4.06	cps
Potassium	39-2	2605555	2555940	2619282	2593592	1.28	cps
Rhodium	103-1	10048618	10134062	9858799	10013826	1.41	cps
Rhodium	103-2	6517809	6572708	6574322	6554946	0.49	cps
Scandium	45-1	6101934	5998636	5855497	5985356	2.07	cps
Scandium	45-2	634234	630312	624930	629826	0.74	cps
Selenium	82-1	371	497	462	443	14.62	cps
Selenium	77-2	3	20	7	10	88.20	cps
Selenium	78-2	633	563	597	598	5.86	cps
Silicon	28-1	33471575	33691017	34078871	33747154	0.91	cps
Silver	107-1	240	220	273	244	11.02	cps
Silver	109-1	110	183	150	148	24.85	cps
Sodium	23-2	31801140	31964573	31681408	31815707	0.45	cps
Strontium	86-1	3997482	4050642	4101605	4049910	1.29	cps
Strontium	88-1	35465521	35390852	35700756	35519043	0.46	cps
Sulfur	34-1	626340	629524	632190	629351	0.47	cps
Terbium	159-1	14730969	14684853	14027320	14481047	2.72	cps
Terbium	159-2	11040669	10808923	10813881	10887824	1.22	cps
Thallium	203-1	393	357	367	372	5.09	cps
Thallium	205-1	890	907	810	869	5.95	cps
Tin	118-1	7856	7859	7992	7902	0.99	cps
Titanium	47-1	16182	16466	17054	16567	2.68	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-16 Instrumnet Name : P7
Client Sample ID : MC0AE3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:01:42 DataFile Name : 073SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	165010	164191	165436	164879	0.38	cps
Vanadium	51-2	5955	5925	5461	5780	4.79	cps
Yttrium	89-1	17293568	17334585	16730807	17119653	1.97	cps
Yttrium	89-2	5578740	5561786	5492160	5544229	0.83	cps
Zinc	66-2	278747	282925	279300	280324	0.81	cps
Zirconium	90-1	14941	15465	15371	15259	1.83	cps
Zirconium	91-1	3157	3414	3300	3290	3.91	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-17 Instrumnet Name : P7
Client Sample ID : MC0AE4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:04:48 DataFile Name : 074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	109524	113337	109692	110851	1.94	cps
Antimony	121-1	2217	2347	2290	2285	2.85	cps
Arsenic	75-2	1623	1847	1467	1646	11.61	cps
Barium	135-1	213313	213916	214931	214053	0.38	cps
Barium	137-1	366198	373885	369834	369972	1.04	cps
Beryllium	9-1	123	173	160	152	17.01	cps
Bismuth	209-1	8647407	8527113	8641246	8605255	0.79	cps
Bismuth	209-2	7435836	7285907	7385742	7369161	1.04	cps
Bromine	81-1	25679	25953	26744	26125	2.12	cps
Bromine	81-2	3314	2980	3117	3137	5.34	cps
Cadmium	108-1	247	337	280	288	15.81	cps
Cadmium	106-1	6915	6512	6461	6629	3.75	cps
Cadmium	111-1	1274	1127	1173	1191	6.31	cps
Calcium	43-1	2102696	2091592	2067291	2087193	0.87	cps
Calcium	44-1	33645212	33945981	33725314	33772169	0.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51260	50936	51032	51076	0.33	cps
Cobalt	59-2	1583	1743	1713	1680	5.06	cps
Copper	63-2	280503	275900	275799	277401	0.97	cps
Dysprosium	156-1	2897	2814	3017	2909	3.51	cps
Dysprosium	156-2	2924	2894	2800	2873	2.24	cps
Erbium	164-1	2924	2787	2977	2896	3.38	cps
Erbium	164-2	2294	2027	2257	2192	6.59	cps
Gadolinium	160-1	2660	2837	2794	2764	3.33	cps
Gadolinium	160-2	2857	2780	2747	2795	2.02	cps
Holmium	165-1	14246065	14183653	14110223	14179980	0.48	cps
Holmium	165-2	10980841	10614926	10797207	10797658	1.69	cps
Indium	115-1	11024564	10946734	11067278	11012859	0.55	cps
Indium	115-2	4832206	4870528	4827178	4843304	0.49	cps
Iron	56-2	1589105	1608036	1610309	1602483	0.73	cps
Iron	57-2	97621	100587	99903	99370	1.56	cps
Iron	54-2	91428	91633	91442	91501	0.13	cps
Krypton	83-1	177	240	210	209	15.17	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-17 Instrumnet Name : P7
Client Sample ID : MC0AE4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:04:48 DataFile Name : 074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9617	9764	9647	9676	0.80	cps
Lead	207-1	8169	7819	8056	8015	2.23	cps
Lead	208-1	36733	37327	36633	36897	1.02	cps
Lithium	6-1	1577604	1566419	1530495	1558173	1.58	cps
Magnesium	24-2	4756629	4711968	4729002	4732533	0.48	cps
Manganese	55-2	75783	76764	75729	76092	0.77	cps
Molybdenum	94-1	22835	23032	23342	23069	1.11	cps
Molybdenum	95-1	28064	28324	27987	28125	0.63	cps
Molybdenum	96-1	30675	31761	31240	31226	1.74	cps
Molybdenum	97-1	18025	17597	17781	17801	1.20	cps
Molybdenum	98-1	44715	44467	45410	44864	1.09	cps
Neodymium	150-1	4748	4584	4577	4636	2.08	cps
Neodymium	150-2	3174	3200	3134	3169	1.06	cps
Nickel	60-2	3444	3177	3307	3309	4.03	cps
Phosphorus	31-2	860	1010	977	949	8.30	cps
Potassium	39-2	1435918	1441398	1410511	1429276	1.15	cps
Rhodium	103-1	10133939	10067918	10092287	10098048	0.33	cps
Rhodium	103-2	6508827	6494404	6458297	6487176	0.40	cps
Scandium	45-1	5894779	5869806	5945790	5903458	0.66	cps
Scandium	45-2	623919	620360	619636	621305	0.37	cps
Selenium	82-1	464	422	434	440	4.94	cps
Selenium	77-2	10	20	7	12	56.76	cps
Selenium	78-2	560	557	673	597	11.13	cps
Silicon	28-1	41417800	41774141	41766806	41652916	0.49	cps
Silver	107-1	140	113	130	128	10.54	cps
Silver	109-1	120	90	97	102	15.41	cps
Sodium	23-2	10525216	10507523	10494739	10509159	0.15	cps
Strontium	86-1	2311511	2291381	2293914	2298935	0.48	cps
Strontium	88-1	20132617	20352856	20139561	20208345	0.62	cps
Sulfur	34-1	2061793	2071530	2050148	2061157	0.52	cps
Terbium	159-1	14433541	14483094	14466082	14460906	0.17	cps
Terbium	159-2	10870306	10621398	10842197	10777967	1.26	cps
Thallium	203-1	293	267	263	274	5.99	cps
Thallium	205-1	703	683	587	658	9.49	cps
Tin	118-1	3837	3857	3964	3886	1.75	cps
Titanium	47-1	8953	8669	8786	8803	1.62	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-17 Instrumnet Name : P7
Client Sample ID : MC0AE4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:04:48 DataFile Name : 074SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	359240	360265	356905	358803	0.48	cps
Vanadium	51-2	10020	9797	10170	9996	1.88	cps
Yttrium	89-1	17097211	17168826	17096559	17120865	0.24	cps
Yttrium	89-2	5440499	5433815	5406444	5426919	0.33	cps
Zinc	66-2	20067	20447	20063	20193	1.09	cps
Zirconium	90-1	17838	17908	18185	17977	1.02	cps
Zirconium	91-1	4021	3967	4161	4049	2.47	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-18 Instrumnet Name : P7
Client Sample ID : MC0AE5 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:07:57 DataFile Name : 075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	49493	50714	50172	50126	1.22	cps
Antimony	121-1	4091	4531	4647	4423	6.64	cps
Arsenic	75-2	1483	1487	1450	1473	1.38	cps
Barium	135-1	184419	186098	188679	186399	1.15	cps
Barium	137-1	318355	324426	323826	322202	1.04	cps
Beryllium	9-1	73	83	90	82	10.20	cps
Bismuth	209-1	8809366	8508528	8635398	8651097	1.75	cps
Bismuth	209-2	7455233	7338103	7559771	7451036	1.49	cps
Bromine	81-1	22237	23729	24507	23491	4.91	cps
Bromine	81-2	2734	2820	2897	2817	2.90	cps
Cadmium	108-1	53	60	57	57	5.89	cps
Cadmium	106-1	6565	6568	6125	6419	3.97	cps
Cadmium	111-1	1419	1425	1392	1412	1.25	cps
Calcium	43-1	1314664	1347646	1319426	1327246	1.34	cps
Calcium	44-1	20973588	21443152	21396874	21271205	1.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	40601	39619	40715	40312	1.50	cps
Cobalt	59-2	2880	2790	2794	2821	1.81	cps
Copper	63-2	500753	501121	506380	502751	0.63	cps
Dysprosium	156-1	390	367	373	377	3.19	cps
Dysprosium	156-2	427	407	480	438	8.66	cps
Erbium	164-1	680	597	643	640	6.53	cps
Erbium	164-2	563	497	517	526	6.51	cps
Gadolinium	160-1	417	417	380	404	5.23	cps
Gadolinium	160-2	757	833	957	849	11.89	cps
Holmium	165-1	14445731	14178278	14024001	14216003	1.50	cps
Holmium	165-2	10854548	10921135	10990734	10922139	0.62	cps
Indium	115-1	11434904	11007430	11073537	11171957	2.06	cps
Indium	115-2	4817790	4870198	4866697	4851562	0.60	cps
Iron	56-2	1730503	1735176	1751594	1739091	0.64	cps
Iron	57-2	80531	81308	80889	80910	0.48	cps
Iron	54-2	98050	99503	98677	98743	0.74	cps
Krypton	83-1	140	153	147	147	4.55	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-18 Instrumnet Name : P7
Client Sample ID : MC0AE5 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:07:57 DataFile Name : 075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	12966	12926	13140	13011	0.87	cps
Lead	207-1	11492	11585	11418	11498	0.73	cps
Lead	208-1	51722	52500	52500	52241	0.86	cps
Lithium	6-1	1661420	1553284	1577101	1597268	3.56	cps
Magnesium	24-2	4989561	4981324	5059806	5010230	0.86	cps
Manganese	55-2	310816	317991	310585	313131	1.34	cps
Molybdenum	94-1	58841	60099	59403	59448	1.06	cps
Molybdenum	95-1	102123	103955	103851	103310	1.00	cps
Molybdenum	96-1	109318	110157	111964	110480	1.22	cps
Molybdenum	97-1	63848	64381	64113	64114	0.42	cps
Molybdenum	98-1	166343	166803	164782	165976	0.64	cps
Neodymium	150-1	940	963	860	921	5.88	cps
Neodymium	150-2	690	673	617	660	5.82	cps
Nickel	60-2	3000	3297	3430	3243	6.79	cps
Phosphorus	31-2	887	920	970	926	4.53	cps
Potassium	39-2	5221652	5317723	5180527	5239967	1.34	cps
Rhodium	103-1	10385236	10292985	10133413	10270545	1.24	cps
Rhodium	103-2	6562409	6525301	6589919	6559210	0.49	cps
Scandium	45-1	6093792	5996632	5974785	6021736	1.05	cps
Scandium	45-2	626243	626359	625121	625907	0.11	cps
Selenium	82-1	455	445	432	444	2.57	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	620	493	527	547	12.01	cps
Silicon	28-1	33354693	33890118	33731211	33658674	0.82	cps
Silver	107-1	147	143	163	151	7.09	cps
Silver	109-1	57	53	100	70	37.19	cps
Sodium	23-2	14610999	14563978	14743916	14639631	0.64	cps
Strontium	86-1	8259591	8299347	8341067	8300001	0.49	cps
Strontium	88-1	72334621	72279167	72503842	72372543	0.16	cps
Sulfur	34-1	522652	528964	529745	527120	0.74	cps
Terbium	159-1	14717018	14430969	14338812	14495600	1.36	cps
Terbium	159-2	10862551	10630692	10607521	10700255	1.32	cps
Thallium	203-1	237	223	263	241	8.45	cps
Thallium	205-1	637	557	607	600	6.74	cps
Tin	118-1	179895	177853	185216	180988	2.10	cps
Titanium	47-1	4881	4911	4931	4908	0.51	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-18 Instrumnet Name : P7
Client Sample ID : MC0AE5 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:07:57 DataFile Name : 075SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	184797	187551	188750	187033	1.08	cps
Vanadium	51-2	2384	2310	2390	2361	1.88	cps
Yttrium	89-1	17524519	17034791	17037677	17198996	1.64	cps
Yttrium	89-2	5507158	5431973	5490253	5476461	0.72	cps
Zinc	66-2	159364	158925	159822	159370	0.28	cps
Zirconium	90-1	1713	1613	2201	1843	17.05	cps
Zirconium	91-1	330	333	273	312	10.80	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-19 Instrumnet Name : P7
Client Sample ID : MC0AF2 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:11:04 DataFile Name : 076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	447113	446711	445945	446590	0.13	cps
Antimony	121-1	6492	6321	6035	6283	3.68	cps
Arsenic	75-2	10180	10080	9943	10068	1.18	cps
Barium	135-1	75673	76404	76383	76153	0.55	cps
Barium	137-1	130816	133483	133270	132523	1.12	cps
Beryllium	9-1	157	167	183	169	7.98	cps
Bismuth	209-1	8243362	8242322	8249898	8245194	0.05	cps
Bismuth	209-2	7119993	7029211	7035205	7061470	0.72	cps
Bromine	81-1	68311	81463	85867	78547	11.63	cps
Bromine	81-2	18759	18578	18812	18716	0.65	cps
Cadmium	108-1	270	223	243	246	9.53	cps
Cadmium	106-1	6478	6768	6465	6570	2.61	cps
Cadmium	111-1	1223	1284	1219	1242	2.92	cps
Calcium	43-1	1585353	1577883	1615402	1592879	1.25	cps
Calcium	44-1	25920754	25858743	25789080	25856192	0.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	100046	100150	99962	100052	0.09	cps
Cobalt	59-2	7579	7462	7622	7554	1.10	cps
Copper	63-2	21776	21773	21362	21637	1.10	cps
Dysprosium	156-1	3337	3230	3204	3257	2.17	cps
Dysprosium	156-2	3230	3210	3377	3273	2.78	cps
Erbium	164-1	2744	2667	2644	2685	1.95	cps
Erbium	164-2	1990	1980	2117	2029	3.76	cps
Gadolinium	160-1	3037	3184	3070	3097	2.48	cps
Gadolinium	160-2	2994	2920	3040	2985	2.03	cps
Holmium	165-1	14212305	14202678	14157061	14190681	0.21	cps
Holmium	165-2	10912157	10788933	10771853	10824314	0.71	cps
Indium	115-1	10741882	10731655	10868826	10780788	0.71	cps
Indium	115-2	4691010	4709248	4722076	4707445	0.33	cps
Iron	56-2	14146213	13961852	14180285	14096117	0.83	cps
Iron	57-2	399504	399187	399615	399435	0.06	cps
Iron	54-2	783359	777201	783844	781468	0.47	cps
Krypton	83-1	117	167	193	159	24.50	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-19 Instrumnet Name : P7
Client Sample ID : MC0AF2 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:11:04 DataFile Name : 076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	12870	13827	13123	13273	3.74	cps
Lead	207-1	11138	11158	11211	11169	0.34	cps
Lead	208-1	50427	51788	51485	51233	1.40	cps
Lithium	6-1	1538070	1546191	1577615	1553959	1.34	cps
Magnesium	24-2	2421498	2401653	2376512	2399888	0.94	cps
Manganese	55-2	383816	378529	381884	381410	0.70	cps
Molybdenum	94-1	36897	38347	37862	37702	1.96	cps
Molybdenum	95-1	58814	58198	59601	58871	1.19	cps
Molybdenum	96-1	63879	63537	64368	63928	0.65	cps
Molybdenum	97-1	35657	36145	36405	36069	1.05	cps
Molybdenum	98-1	92910	95476	94087	94157	1.36	cps
Neodymium	150-1	5514	5538	5575	5542	0.55	cps
Neodymium	150-2	3584	3897	3520	3667	5.50	cps
Nickel	60-2	12936	13056	13096	13029	0.64	cps
Phosphorus	31-2	5321	5241	5174	5245	1.40	cps
Potassium	39-2	3991792	3996974	4000295	3996354	0.11	cps
Rhodium	103-1	9471650	9483739	9583325	9512905	0.64	cps
Rhodium	103-2	6226510	6205754	6189718	6207327	0.30	cps
Scandium	45-1	5788875	5776935	5766214	5777342	0.20	cps
Scandium	45-2	616306	615349	615630	615761	0.08	cps
Selenium	82-1	875	749	844	823	7.93	cps
Selenium	77-2	47	40	67	51	27.15	cps
Selenium	78-2	807	700	807	771	7.99	cps
Silicon	28-1	31611230	32059470	32095284	31921995	0.84	cps
Silver	107-1	430	403	527	453	14.32	cps
Silver	109-1	370	437	350	386	11.77	cps
Sodium	23-2	279677436	276339416	276856063	277624305	0.65	cps
Strontium	86-1	1216229	1234929	1236211	1229123	0.91	cps
Strontium	88-1	11109814	11191290	11203032	11168045	0.45	cps
Sulfur	34-1	14803460	14800519	14927522	14843833	0.49	cps
Terbium	159-1	14419665	14570444	14393415	14461175	0.66	cps
Terbium	159-2	10768122	10601550	10837126	10735599	1.13	cps
Thallium	203-1	323	340	400	354	11.38	cps
Thallium	205-1	833	923	867	874	5.20	cps
Tin	118-1	6538	4224	4007	4923	28.49	cps
Titanium	47-1	39978	39665	41599	40414	2.57	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-19 Instrumnet Name : P7
Client Sample ID : MC0AF2 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:11:04 DataFile Name : 076SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	128273	129471	129290	129011	0.50	cps
Vanadium	51-2	62599	62144	62462	62402	0.37	cps
Yttrium	89-1	16835939	16864027	16924981	16874983	0.27	cps
Yttrium	89-2	5410585	5377215	5390533	5392778	0.31	cps
Zinc	66-2	5624	5464	5568	5552	1.46	cps
Zirconium	90-1	12836	13186	13554	13192	2.72	cps
Zirconium	91-1	2764	3210	2940	2971	7.57	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-20 Instrumnet Name : P7
Client Sample ID : MC0AF3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:14:15 DataFile Name : 077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	190724	192557	192772	192018	0.59	cps
Antimony	121-1	175268	179572	180322	178387	1.53	cps
Arsenic	75-2	4417	4274	4267	4320	1.96	cps
Barium	135-1	138162	138976	139172	138770	0.39	cps
Barium	137-1	238979	241884	241447	240770	0.65	cps
Beryllium	9-1	123	170	133	142	17.28	cps
Bismuth	209-1	8903207	8823913	8815339	8847486	0.55	cps
Bismuth	209-2	7399207	7502247	7427262	7442905	0.72	cps
Bromine	81-1	34290	37140	38564	36664	5.94	cps
Bromine	81-2	5875	5918	6235	6009	3.27	cps
Cadmium	108-1	160	207	207	191	14.10	cps
Cadmium	106-1	6805	6698	6498	6667	2.34	cps
Cadmium	111-1	1422	1342	1328	1364	3.73	cps
Calcium	43-1	1106624	1112452	1121877	1113651	0.69	cps
Calcium	44-1	17674542	17970678	17868787	17838003	0.84	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	61113	60953	61046	61037	0.13	cps
Cobalt	59-2	3817	3617	3831	3755	3.18	cps
Copper	63-2	24614	24694	24968	24758	0.75	cps
Dysprosium	156-1	2234	2450	2224	2302	5.56	cps
Dysprosium	156-2	2190	2237	2250	2226	1.42	cps
Erbium	164-1	2230	2230	2324	2261	2.38	cps
Erbium	164-2	1803	1727	1680	1737	3.59	cps
Gadolinium	160-1	2297	2400	2300	2332	2.52	cps
Gadolinium	160-2	2357	2384	2274	2338	2.45	cps
Holmium	165-1	14795843	14174789	14490263	14486965	2.14	cps
Holmium	165-2	10925444	11063040	10895896	10961460	0.81	cps
Indium	115-1	11771980	11309508	11309116	11463535	2.33	cps
Indium	115-2	4906606	4935684	4856638	4899643	0.82	cps
Iron	56-2	3822076	3829390	3826569	3826012	0.10	cps
Iron	57-2	125690	128083	128212	127328	1.12	cps
Iron	54-2	211613	212955	210507	211692	0.58	cps
Krypton	83-1	143	143	173	153	11.30	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-20 Instrumnet Name : P7
Client Sample ID : MC0AF3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:14:15 DataFile Name : 077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	10955	10811	11325	11030	2.40	cps
Lead	207-1	8876	9353	9223	9151	2.69	cps
Lead	208-1	41732	42523	43007	42420	1.52	cps
Lithium	6-1	1645799	1588554	1572269	1602207	2.41	cps
Magnesium	24-2	2168408	2144295	2171492	2161399	0.69	cps
Manganese	55-2	234482	238308	236256	236349	0.81	cps
Molybdenum	94-1	145176	149177	147854	147402	1.38	cps
Molybdenum	95-1	239689	240049	239980	239906	0.08	cps
Molybdenum	96-1	258518	261604	261519	260547	0.67	cps
Molybdenum	97-1	147846	153250	153796	151631	2.17	cps
Molybdenum	98-1	390496	392425	393445	392122	0.38	cps
Neodymium	150-1	3230	3457	3644	3444	6.01	cps
Neodymium	150-2	2290	2210	2487	2329	6.11	cps
Nickel	60-2	4011	3991	3874	3958	1.87	cps
Phosphorus	31-2	1480	1480	1393	1451	3.45	cps
Potassium	39-2	2600116	2625193	2637408	2620906	0.73	cps
Rhodium	103-1	10682255	10329215	10413045	10474838	1.76	cps
Rhodium	103-2	6667889	6657047	6513230	6612722	1.31	cps
Scandium	45-1	6283849	6150829	6008769	6147816	2.24	cps
Scandium	45-2	643277	638136	648762	643392	0.83	cps
Selenium	82-1	570	505	533	536	6.12	cps
Selenium	77-2	10	27	17	18	47.19	cps
Selenium	78-2	660	643	553	619	9.27	cps
Silicon	28-1	39950735	40712461	40401665	40354954	0.95	cps
Silver	107-1	223	193	217	211	7.46	cps
Silver	109-1	93	153	153	133	25.98	cps
Sodium	23-2	26461546	26117715	26017361	26198874	0.89	cps
Strontium	86-1	3063769	3124998	3109951	3099573	1.03	cps
Strontium	88-1	26967709	27406575	27581555	27318613	1.16	cps
Sulfur	34-1	1488270	1514512	1486834	1496538	1.04	cps
Terbium	159-1	15423521	14925405	14767171	15038699	2.28	cps
Terbium	159-2	11034041	11027244	11001050	11020778	0.16	cps
Thallium	203-1	460	473	380	438	11.53	cps
Thallium	205-1	1107	1193	1010	1103	8.31	cps
Tin	118-1	117579	119174	119965	118906	1.02	cps
Titanium	47-1	35322	33424	33835	34194	2.92	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-20 Instrumnet Name : P7
Client Sample ID : MC0AF3 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:14:15 DataFile Name : 077SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	87283	88004	88632	87973	0.77	cps
Vanadium	51-2	38379	37861	38008	38082	0.70	cps
Yttrium	89-1	17991718	17467740	17741157	17733538	1.48	cps
Yttrium	89-2	5535181	5553456	5506392	5531676	0.43	cps
Zinc	66-2	24807	25555	25118	25160	1.49	cps
Zirconium	90-1	23145	24517	26268	24643	6.35	cps
Zirconium	91-1	5288	5304	5348	5313	0.58	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-21 Instrumnet Name : P7
Client Sample ID : MC0AF4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:17:23 DataFile Name : 078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	43722	44117	45848	44562	2.54	cps
Antimony	121-1	395350	397813	395384	396182	0.36	cps
Arsenic	75-2	2484	2274	2357	2371	4.46	cps
Barium	135-1	163719	166491	164022	164744	0.92	cps
Barium	137-1	285541	288902	286293	286912	0.61	cps
Beryllium	9-1	73	140	100	104	32.13	cps
Bismuth	209-1	8837337	8767242	8706263	8770281	0.75	cps
Bismuth	209-2	7577129	7545120	7485202	7535817	0.62	cps
Bromine	81-1	27673	30157	31216	29682	6.13	cps
Bromine	81-2	4291	4421	4364	4358	1.50	cps
Cadmium	108-1	80	50	43	58	33.81	cps
Cadmium	106-1	6575	6692	6695	6654	1.03	cps
Cadmium	111-1	1469	1537	1509	1505	2.26	cps
Calcium	43-1	1373756	1396473	1402126	1390785	1.08	cps
Calcium	44-1	22212730	22524644	22504341	22413905	0.78	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	14213	13730	13620	13854	2.28	cps
Cobalt	59-2	4664	4484	4447	4532	2.56	cps
Copper	63-2	35505	35502	34710	35239	1.30	cps
Dysprosium	156-1	323	370	327	340	7.66	cps
Dysprosium	156-2	320	310	333	321	3.64	cps
Erbium	164-1	397	420	383	400	4.64	cps
Erbium	164-2	343	323	257	308	14.74	cps
Gadolinium	160-1	440	343	340	374	15.17	cps
Gadolinium	160-2	817	800	833	817	2.04	cps
Holmium	165-1	14548691	14443901	14199686	14397426	1.24	cps
Holmium	165-2	11107057	11081017	10917857	11035310	0.93	cps
Indium	115-1	11241677	11179611	11309647	11243645	0.58	cps
Indium	115-2	4953792	4952831	4946333	4950985	0.08	cps
Iron	56-2	2013523	1967613	2020561	2000566	1.44	cps
Iron	57-2	89384	88713	91094	89730	1.37	cps
Iron	54-2	111622	111470	110669	111254	0.46	cps
Krypton	83-1	153	150	163	156	4.46	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-21 Instrumnet Name : P7
Client Sample ID : MC0AF4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:17:23 DataFile Name : 078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6945	6822	6502	6756	3.39	cps
Lead	207-1	5905	5855	5525	5761	3.59	cps
Lead	208-1	26844	26460	25523	26276	2.59	cps
Lithium	6-1	1602954	1563655	1574883	1580497	1.28	cps
Magnesium	24-2	4777632	4865938	4824856	4822809	0.92	cps
Manganese	55-2	418039	412763	421008	417270	1.00	cps
Molybdenum	94-1	74964	75346	75661	75324	0.46	cps
Molybdenum	95-1	128535	130300	130523	129786	0.84	cps
Molybdenum	96-1	139764	141332	139672	140256	0.66	cps
Molybdenum	97-1	80798	82287	81023	81369	0.99	cps
Molybdenum	98-1	209464	211286	209656	210135	0.48	cps
Neodymium	150-1	517	500	533	517	3.23	cps
Neodymium	150-2	373	353	337	354	5.18	cps
Nickel	60-2	23792	23545	23435	23591	0.78	cps
Phosphorus	31-2	663	803	693	720	10.24	cps
Potassium	39-2	2835274	2856869	2869692	2853945	0.61	cps
Rhodium	103-1	10305266	10266263	10288669	10286733	0.19	cps
Rhodium	103-2	6649274	6613816	6568023	6610371	0.62	cps
Scandium	45-1	6003149	6075433	6066913	6048498	0.65	cps
Scandium	45-2	645272	637623	637710	640202	0.69	cps
Selenium	82-1	495	460	449	468	5.12	cps
Selenium	77-2	0	13	0	4	173.21	cps
Selenium	78-2	627	540	507	558	11.11	cps
Silicon	28-1	29643503	30009303	29980760	29877855	0.68	cps
Silver	107-1	157	200	163	173	13.46	cps
Silver	109-1	127	120	123	123	2.70	cps
Sodium	23-2	12652075	12620292	12630939	12634436	0.13	cps
Strontium	86-1	6144364	6131900	6107023	6127762	0.31	cps
Strontium	88-1	53774191	54275011	53512453	53853885	0.72	cps
Sulfur	34-1	590375	593440	594650	592822	0.37	cps
Terbium	159-1	14903868	14821549	14951937	14892452	0.44	cps
Terbium	159-2	11179394	10978799	10835906	10998033	1.57	cps
Thallium	203-1	450	453	417	440	4.61	cps
Thallium	205-1	1050	1103	1033	1062	3.44	cps
Tin	118-1	20365	20251	20662	20426	1.04	cps
Titanium	47-1	4294	4177	4314	4262	1.73	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-21 Instrumnet Name : P7
Client Sample ID : MC0AF4 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:17:23 DataFile Name : 078SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	227050	229107	228818	228325	0.49	cps
Vanadium	51-2	4217	4084	4224	4175	1.89	cps
Yttrium	89-1	17473038	17198528	17362233	17344600	0.80	cps
Yttrium	89-2	5575838	5594292	5441281	5537137	1.51	cps
Zinc	66-2	110744	110277	110334	110451	0.23	cps
Zirconium	90-1	2307	2317	2227	2284	2.16	cps
Zirconium	91-1	467	467	520	484	6.36	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV004 Instrumnet Name : P7
Client Sample ID : CCV004 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:26:36 DataFile Name : 080CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14201640	14130935	14149932	14160836	0.26	cps
Antimony	121-1	5420152	5515058	5405088	5446766	1.09	cps
Arsenic	75-2	306995	304616	303983	305198	0.52	cps
Barium	135-1	6885164	6834127	6803302	6840865	0.60	cps
Barium	137-1	11839205	11728968	11824999	11797724	0.51	cps
Beryllium	9-1	691601	693475	691614	692230	0.16	cps
Bismuth	209-1	8376663	8324821	8294123	8331869	0.50	cps
Bismuth	209-2	6922508	6987442	7020491	6976814	0.71	cps
Bromine	81-1	14908	15475	15101	15161	1.90	cps
Bromine	81-2	267	307	280	284	7.16	cps
Cadmium	108-1	96934	96552	96763	96750	0.20	cps
Cadmium	106-1	144123	142349	143140	143204	0.62	cps
Cadmium	111-1	1216249	1213500	1212981	1214243	0.14	cps
Calcium	43-1	6917069	6855404	6741343	6837939	1.30	cps
Calcium	44-1	111262705	112291625	110513692	111356007	0.80	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2365832	2333063	2339087	2345994	0.74	cps
Cobalt	59-2	3496801	3451712	3479539	3476017	0.65	cps
Copper	63-2	21658050	21597083	21747121	21667418	0.35	cps
Dysprosium	156-1	273	310	327	303	8.99	cps
Dysprosium	156-2	580	610	497	562	10.44	cps
Erbium	164-1	227	287	303	272	14.81	cps
Erbium	164-2	237	243	197	226	11.19	cps
Gadolinium	160-1	287	270	217	258	14.19	cps
Gadolinium	160-2	680	733	713	709	3.80	cps
Holmium	165-1	14423275	14474612	14351808	14416565	0.43	cps
Holmium	165-2	10880722	11028422	11120134	11009759	1.10	cps
Indium	115-1	10840174	10900070	10751065	10830436	0.69	cps
Indium	115-2	4682571	4703657	4732136	4706122	0.53	cps
Iron	56-2	543516219	538535139	537212885	539754748	0.62	cps
Iron	57-2	13482527	13554336	13377167	13471343	0.66	cps
Iron	54-2	29533530	29444655	29099518	29359234	0.78	cps
Krypton	83-1	173	147	167	162	8.56	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV004 Instrumnet Name : P7
Client Sample ID : CCV004 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:26:36 DataFile Name : 080CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	20214891	20625486	20259865	20366747	1.11	cps
Lead	207-1	18299815	18437370	18355160	18364115	0.38	cps
Lead	208-1	82593570	83468438	82462016	82841341	0.66	cps
Lithium	6-1	1571230	1604807	1613453	1596497	1.40	cps
Magnesium	24-2	115797905	115154538	116734418	115895620	0.69	cps
Manganese	55-2	19275876	18909581	18965314	19050257	1.04	cps
Molybdenum	94-1	18636441	18457448	18741633	18611841	0.77	cps
Molybdenum	95-1	26347302	26301541	26781588	26476810	1.00	cps
Molybdenum	96-1	29318542	29256590	29206138	29260423	0.19	cps
Molybdenum	97-1	16664466	16456936	16563187	16561529	0.63	cps
Molybdenum	98-1	43183734	43188584	42804571	43058963	0.51	cps
Neodymium	150-1	460	527	493	493	6.76	cps
Neodymium	150-2	227	153	170	183	20.97	cps
Nickel	60-2	819431	813158	819237	817275	0.44	cps
Phosphorus	31-2	132494	129418	129435	130449	1.36	cps
Potassium	39-2	76446801	76813922	76493821	76584848	0.26	cps
Rhodium	103-1	9771986	9553042	9531023	9618684	1.39	cps
Rhodium	103-2	6153119	6125907	6146259	6141762	0.23	cps
Scandium	45-1	6053193	6058308	6024857	6045453	0.30	cps
Scandium	45-2	634859	632846	630026	632577	0.38	cps
Selenium	82-1	76573	76865	76733	76724	0.19	cps
Selenium	77-2	10257	10130	10194	10194	0.62	cps
Selenium	78-2	34159	34544	34430	34378	0.57	cps
Silicon	28-1	10258120	10122028	10178382	10186177	0.67	cps
Silver	107-1	6451127	6419657	6446410	6439064	0.26	cps
Silver	109-1	6162729	6273147	6152121	6195999	1.08	cps
Sodium	23-2	183064817	181859051	182114724	182346197	0.35	cps
Strontium	86-1	1793305	1776673	1743972	1771317	1.42	cps
Strontium	88-1	15573926	15698129	15445883	15572646	0.81	cps
Sulfur	34-1	532377	528172	525953	528834	0.62	cps
Terbium	159-1	14801796	14950811	14689979	14814195	0.88	cps
Terbium	159-2	10954990	10824866	10939912	10906589	0.65	cps
Thallium	203-1	5261972	5348325	5269343	5293213	0.90	cps
Thallium	205-1	12659586	12782969	12546304	12662953	0.93	cps
Tin	118-1	4422280	4492654	4389777	4434903	1.19	cps
Titanium	47-1	6287702	6393239	6434086	6371675	1.19	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV004 Instrumnet Name : P7
Client Sample ID : CCV004 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:26:36 DataFile Name : 080CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17101984	17354304	17236624	17230971	0.73	cps
Vanadium	51-2	2150767	2129331	2148144	2142748	0.55	cps
Yttrium	89-1	17536371	17096233	17067314	17233306	1.53	cps
Yttrium	89-2	5445797	5495257	5485101	5475385	0.48	cps
Zinc	66-2	4040067	3964025	4006106	4003399	0.95	cps
Zirconium	90-1	9081770	9011315	9011861	9034982	0.45	cps
Zirconium	91-1	2012799	2006400	2045633	2021611	1.04	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB004 Instrumnet Name : P7
Client Sample ID : CCB004 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:29:18 DataFile Name : 081CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1640	1173	973	1262	27.11	cps
Antimony	121-1	3514	2837	2347	2899	20.21	cps
Arsenic	75-2	53	27	23	34	47.73	cps
Barium	135-1	2494	1587	1113	1731	40.51	cps
Barium	137-1	3667	2730	2070	2823	28.43	cps
Beryllium	9-1	380	263	317	320	18.25	cps
Bismuth	209-1	8902354	8910928	8951616	8921633	0.29	cps
Bismuth	209-2	7677672	7689618	7607181	7658157	0.58	cps
Bromine	81-1	14250	14521	14174	14315	1.27	cps
Bromine	81-2	203	337	217	252	29.11	cps
Cadmium	108-1	67	50	33	50	33.34	cps
Cadmium	106-1	6685	6582	6575	6614	0.93	cps
Cadmium	111-1	1840	1645	1545	1677	8.96	cps
Calcium	43-1	2730	1850	1670	2084	27.23	cps
Calcium	44-1	48438	34453	29161	37351	26.67	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1553	1380	1253	1396	10.79	cps
Cobalt	59-2	450	333	280	354	24.53	cps
Copper	63-2	3931	3150	2814	3298	17.37	cps
Dysprosium	156-1	3	13	3	7	86.65	cps
Dysprosium	156-2	0	0	7	2	173.21	cps
Erbium	164-1	50	60	67	59	14.25	cps
Erbium	164-2	63	63	47	58	16.65	cps
Gadolinium	160-1	47	50	63	53	16.53	cps
Gadolinium	160-2	547	483	507	512	6.25	cps
Holmium	165-1	14506390	14439136	14158471	14367999	1.28	cps
Holmium	165-2	10979106	10999007	10957984	10978699	0.19	cps
Indium	115-1	11560428	11233077	11324814	11372773	1.48	cps
Indium	115-2	5010075	4928051	5007853	4981993	0.94	cps
Iron	56-2	80153	63494	52471	65373	21.32	cps
Iron	57-2	2874	2537	2180	2530	13.71	cps
Iron	54-2	6065	4968	4364	5132	16.80	cps
Krypton	83-1	197	200	187	194	3.57	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB004 Instrumnet Name : P7
Client Sample ID : CCB004 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:29:18 DataFile Name : 081CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8083	5641	4748	6157	28.04	cps
Lead	207-1	7215	4914	4087	5406	29.98	cps
Lead	208-1	32275	22387	18892	24518	28.31	cps
Lithium	6-1	1676623	1674470	1679270	1676787	0.14	cps
Magnesium	24-2	11991	8913	6885	9263	27.76	cps
Manganese	55-2	2124	1653	1207	1661	27.60	cps
Molybdenum	94-1	7659	4984	4011	5551	34.03	cps
Molybdenum	95-1	10044	6992	5504	7513	30.80	cps
Molybdenum	96-1	11852	7805	6565	8741	31.63	cps
Molybdenum	97-1	6361	4447	3520	4776	30.33	cps
Molybdenum	98-1	16913	10961	9173	12349	32.82	cps
Neodymium	150-1	0	10	3	4	114.60	cps
Neodymium	150-2	10	0	0	3	173.21	cps
Nickel	60-2	520	433	413	456	12.45	cps
Phosphorus	31-2	303	347	303	318	7.87	cps
Potassium	39-2	73560	70425	70378	71455	2.55	cps
Rhodium	103-1	10508016	10521543	10483786	10504449	0.18	cps
Rhodium	103-2	6752246	6766685	6771300	6763410	0.15	cps
Scandium	45-1	6036685	6119956	6036362	6064334	0.79	cps
Scandium	45-2	640002	641385	635437	638941	0.49	cps
Selenium	82-1	484	446	427	452	6.39	cps
Selenium	77-2	3	3	3	3	0.00	cps
Selenium	78-2	500	490	550	513	6.26	cps
Silicon	28-1	765241	758960	754894	759698	0.69	cps
Silver	107-1	2800	2070	1467	2112	31.61	cps
Silver	109-1	2514	1823	1520	1952	26.08	cps
Sodium	23-2	71780	65790	62747	66772	6.88	cps
Strontium	86-1	863	877	617	786	18.64	cps
Strontium	88-1	5721	3554	3280	4185	31.95	cps
Sulfur	34-1	175723	177659	175400	176261	0.69	cps
Terbium	159-1	14556456	14878275	14661608	14698780	1.12	cps
Terbium	159-2	11126818	10863583	10882793	10957731	1.34	cps
Thallium	203-1	2304	1560	1183	1682	33.88	cps
Thallium	205-1	4991	3744	2920	3885	26.83	cps
Tin	118-1	2407	1867	1600	1958	20.99	cps
Titanium	47-1	2360	1567	1320	1749	31.07	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB004 Instrumnet Name : P7
Client Sample ID : CCB004 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:29:18 DataFile Name : 081CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	5765	3631	3200	4199	32.71	cps
Vanadium	51-2	187	113	167	156	24.37	cps
Yttrium	89-1	17584625	17415279	17409998	17469967	0.57	cps
Yttrium	89-2	5584022	5578332	5556977	5573110	0.26	cps
Zinc	66-2	817	683	630	710	13.54	cps
Zirconium	90-1	4384	2927	2587	3299	28.94	cps
Zirconium	91-1	1067	670	593	777	32.71	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-07DLX2 Instrumnet Name : P7
Client Sample ID : MC0AE9 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:39:41 DataFile Name : 082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	660059	655967	654550	656859	0.44	cps
Antimony	121-1	1940	1853	1813	1869	3.47	cps
Arsenic	75-2	6662	6712	6501	6625	1.66	cps
Barium	135-1	5444	6008	5705	5719	4.93	cps
Barium	137-1	10324	10117	10391	10277	1.39	cps
Beryllium	9-1	103	107	80	97	15.03	cps
Bismuth	209-1	8287297	7469011	8194662	7983657	5.61	cps
Bismuth	209-2	7201056	7206654	7240245	7215985	0.29	cps
Bromine	81-1	25005	26681	28167	26617	5.94	cps
Bromine	81-2	3647	3841	3824	3771	2.84	cps
Cadmium	108-1	183	213	200	199	7.56	cps
Cadmium	106-1	6238	5444	5765	5816	6.87	cps
Cadmium	111-1	1169	983	1043	1065	8.93	cps
Calcium	43-1	102023	105751	104738	104171	1.85	cps
Calcium	44-1	1702849	1701852	1702197	1702299	0.03	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	155054	154522	153037	154205	0.68	cps
Cobalt	59-2	810	683	740	744	8.52	cps
Copper	63-2	7085	4677	4851	5538	24.25	cps
Dysprosium	156-1	463	480	463	469	2.05	cps
Dysprosium	156-2	390	433	413	412	5.26	cps
Erbium	164-1	493	497	450	480	5.42	cps
Erbium	164-2	413	380	370	388	5.85	cps
Gadolinium	160-1	483	463	390	446	11.03	cps
Gadolinium	160-2	937	887	863	896	4.18	cps
Holmium	165-1	14131936	12876237	13902112	13636761	4.90	cps
Holmium	165-2	11057512	11052613	11001791	11037305	0.28	cps
Indium	115-1	10860294	9873787	10558221	10430767	4.85	cps
Indium	115-2	4858849	4875083	4843187	4859040	0.33	cps
Iron	56-2	621453	646548	613175	627059	2.77	cps
Iron	57-2	20837	19169	18829	19612	5.48	cps
Iron	54-2	39917	41433	40027	40459	2.09	cps
Krypton	83-1	180	200	133	171	19.99	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-07DLX2 Instrumnet Name : P7
Client Sample ID : MC0AE9 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:39:41 DataFile Name : 082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3067	3224	3217	3169	2.80	cps
Lead	207-1	2614	2860	2434	2636	8.13	cps
Lead	208-1	12139	12639	12022	12267	2.67	cps
Lithium	6-1	1546309	1445511	1524206	1505342	3.52	cps
Magnesium	24-2	57138	55416	55266	55940	1.86	cps
Manganese	55-2	28100	28661	29011	28591	1.61	cps
Molybdenum	94-1	14067	14280	14170	14173	0.75	cps
Molybdenum	95-1	22701	22497	23168	22789	1.51	cps
Molybdenum	96-1	23589	24998	24864	24484	3.18	cps
Molybdenum	97-1	14057	14357	14457	14290	1.46	cps
Molybdenum	98-1	36997	37104	37191	37097	0.26	cps
Neodymium	150-1	370	400	403	391	4.69	cps
Neodymium	150-2	227	270	313	270	16.05	cps
Nickel	60-2	1237	1280	1363	1293	4.98	cps
Phosphorus	31-2	2480	2527	2274	2427	5.56	cps
Potassium	39-2	318883	317407	320138	318809	0.43	cps
Rhodium	103-1	9695051	8805607	9519601	9340087	5.04	cps
Rhodium	103-2	6399521	6432786	6404416	6412241	0.28	cps
Scandium	45-1	5972668	5281302	5705632	5653201	6.17	cps
Scandium	45-2	626706	632405	634818	631310	0.66	cps
Selenium	82-1	497	468	595	520	12.83	cps
Selenium	77-2	13	7	13	11	34.61	cps
Selenium	78-2	610	490	710	603	18.26	cps
Silicon	28-1	22398199	22685584	22455447	22513077	0.68	cps
Silver	107-1	1800	1923	1887	1870	3.39	cps
Silver	109-1	1863	1773	1920	1852	3.99	cps
Sodium	23-2	226389143	227826110	227911123	227375459	0.38	cps
Strontium	86-1	99456	102010	100302	100589	1.29	cps
Strontium	88-1	864081	884578	885564	878074	1.38	cps
Sulfur	34-1	9626441	9691984	9683428	9667285	0.37	cps
Terbium	159-1	14529567	13199254	14200426	13976416	4.96	cps
Terbium	159-2	10929697	10903184	10844525	10892469	0.40	cps
Thallium	203-1	257	277	217	250	12.22	cps
Thallium	205-1	607	573	613	598	3.59	cps
Tin	118-1	4978	5585	5034	5199	6.45	cps
Titanium	47-1	7125	8040	5835	7000	15.82	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-07DLX2 Instrumnet Name : P7
Client Sample ID : MC0AE9 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:39:41 DataFile Name : 082SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15232	15402	15296	15310	0.56	cps
Vanadium	51-2	68682	68920	68133	68578	0.59	cps
Yttrium	89-1	16781964	15271990	16619856	16224603	5.11	cps
Yttrium	89-2	5439863	5497458	5573572	5503631	1.22	cps
Zinc	66-2	1941	1220	1203	1455	28.94	cps
Zirconium	90-1	3518	5820	3394	4244	32.19	cps
Zirconium	91-1	727	697	677	700	3.60	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-09DLX2 Instrumnet Name : P7
Client Sample ID : MC0AH0 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:42:55 DataFile Name : 083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	660883	664366	669878	665042	0.68	cps
Antimony	121-1	1603	1790	1727	1707	5.56	cps
Arsenic	75-2	6875	6662	6622	6719	2.03	cps
Barium	135-1	5558	5835	5591	5661	2.67	cps
Barium	137-1	9523	9550	9980	9685	2.65	cps
Beryllium	9-1	73	70	110	84	26.28	cps
Bismuth	209-1	8553357	8498081	8570798	8540745	0.44	cps
Bismuth	209-2	7324866	7296229	7342598	7321231	0.32	cps
Bromine	81-1	24257	26227	27613	26032	6.48	cps
Bromine	81-2	3247	3524	3524	3432	4.66	cps
Cadmium	108-1	137	160	190	162	16.48	cps
Cadmium	106-1	6428	6301	6508	6413	1.63	cps
Cadmium	111-1	1217	1168	1202	1196	2.07	cps
Calcium	43-1	89626	90451	92731	90936	1.77	cps
Calcium	44-1	1425239	1454751	1471857	1450616	1.63	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	152358	153604	153327	153096	0.43	cps
Cobalt	59-2	753	787	713	751	4.89	cps
Copper	63-2	4717	4317	4451	4495	4.53	cps
Dysprosium	156-1	507	417	450	458	9.94	cps
Dysprosium	156-2	373	557	437	456	20.44	cps
Erbium	164-1	593	493	500	529	10.57	cps
Erbium	164-2	357	433	407	399	9.76	cps
Gadolinium	160-1	490	413	493	466	9.72	cps
Gadolinium	160-2	970	970	877	939	5.74	cps
Holmium	165-1	14546765	14514892	14568021	14543226	0.18	cps
Holmium	165-2	10983052	11144001	11137310	11088121	0.82	cps
Indium	115-1	11018855	10983334	11255021	11085736	1.33	cps
Indium	115-2	4904429	4868042	4909628	4894033	0.46	cps
Iron	56-2	640447	635240	669757	648481	2.87	cps
Iron	57-2	20102	19513	18909	19508	3.06	cps
Iron	54-2	41073	43170	42786	42343	2.64	cps
Krypton	83-1	210	217	180	202	9.66	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-09DLX2 Instrumnet Name : P7
Client Sample ID : MC0AH0 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:42:55 DataFile Name : 083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3187	3334	3410	3310	3.43	cps
Lead	207-1	2790	2827	2700	2773	2.35	cps
Lead	208-1	12632	13056	12779	12822	1.68	cps
Lithium	6-1	1584086	1608204	1610571	1600954	0.92	cps
Magnesium	24-2	48296	48329	48593	48406	0.34	cps
Manganese	55-2	25014	24794	23946	24585	2.29	cps
Molybdenum	94-1	13146	13810	13887	13614	2.99	cps
Molybdenum	95-1	21032	21646	21316	21331	1.44	cps
Molybdenum	96-1	22390	23429	22875	22898	2.27	cps
Molybdenum	97-1	13546	13186	13423	13385	1.37	cps
Molybdenum	98-1	33869	34300	34297	34156	0.73	cps
Neodymium	150-1	500	447	403	450	10.76	cps
Neodymium	150-2	300	337	283	307	8.90	cps
Nickel	60-2	1213	1173	1183	1190	1.75	cps
Phosphorus	31-2	2374	2464	2347	2395	2.55	cps
Potassium	39-2	305162	307154	309283	307200	0.67	cps
Rhodium	103-1	9928628	9910469	9982140	9940412	0.37	cps
Rhodium	103-2	6553356	6496036	6571795	6540396	0.60	cps
Scandium	45-1	5966292	5936036	5966573	5956300	0.29	cps
Scandium	45-2	644588	642830	642213	643211	0.19	cps
Selenium	82-1	516	485	458	486	5.94	cps
Selenium	77-2	7	30	27	21	59.77	cps
Selenium	78-2	633	577	653	621	6.40	cps
Silicon	28-1	22601006	22791691	22651012	22681236	0.44	cps
Silver	107-1	1303	1310	1203	1272	4.70	cps
Silver	109-1	1193	1197	1197	1196	0.16	cps
Sodium	23-2	222550183	222950057	225051363	223517201	0.60	cps
Strontium	86-1	88406	90217	91052	89892	1.50	cps
Strontium	88-1	782633	791871	795496	790000	0.84	cps
Sulfur	34-1	8819197	8806492	8889294	8838328	0.50	cps
Terbium	159-1	14762233	14813607	14648069	14741303	0.57	cps
Terbium	159-2	11147172	11206019	11237772	11196988	0.41	cps
Thallium	203-1	247	250	250	249	0.77	cps
Thallium	205-1	527	573	527	542	4.97	cps
Tin	118-1	4934	5151	6634	5573	16.60	cps
Titanium	47-1	5128	5468	5378	5324	3.31	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-09DLX2 Instrumnet Name : P7
Client Sample ID : MC0AH0 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:42:55 DataFile Name : 083SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	14792	14475	15015	14761	1.84	cps
Vanadium	51-2	69131	68029	68826	68662	0.83	cps
Yttrium	89-1	17435706	17360228	17208912	17334948	0.67	cps
Yttrium	89-2	5627662	5657723	5631705	5639030	0.29	cps
Zinc	66-2	1230	1373	1350	1318	5.84	cps
Zirconium	90-1	3334	3704	4153	3730	10.99	cps
Zirconium	91-1	1467	727	813	1002	40.39	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-13DLX2 Instrumnet Name : P7
Client Sample ID : MC0AF5 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:46:10 DataFile Name : 084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1002517	996317	995029	997954	0.40	cps
Antimony	121-1	3280	3154	3270	3235	2.18	cps
Arsenic	75-2	2634	2654	2534	2607	2.47	cps
Barium	135-1	329681	328643	329346	329224	0.16	cps
Barium	137-1	568678	569629	571864	570057	0.29	cps
Beryllium	9-1	420	480	470	457	7.04	cps
Bismuth	209-1	8595085	8536812	8510818	8547572	0.50	cps
Bismuth	209-2	7386012	7193210	7219953	7266392	1.44	cps
Bromine	81-1	41572	47068	49757	46132	9.04	cps
Bromine	81-2	9710	9587	9883	9727	1.53	cps
Cadmium	108-1	163	173	190	176	7.67	cps
Cadmium	106-1	6715	6775	6555	6682	1.70	cps
Cadmium	111-1	1302	1320	1255	1292	2.62	cps
Calcium	43-1	2887835	2870477	2909785	2889366	0.68	cps
Calcium	44-1	46538068	47108708	46936416	46861064	0.62	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	128125	126421	126021	126856	0.88	cps
Cobalt	59-2	23956	24096	23856	23969	0.50	cps
Copper	63-2	222087	221792	218877	220919	0.80	cps
Dysprosium	156-1	11114	11151	11461	11242	1.70	cps
Dysprosium	156-2	11135	10781	10794	10903	1.84	cps
Erbium	164-1	9824	9630	9597	9683	1.26	cps
Erbium	164-2	7592	7189	7532	7438	2.93	cps
Gadolinium	160-1	10774	11074	11021	10957	1.46	cps
Gadolinium	160-2	8903	8950	8586	8813	2.24	cps
Holmium	165-1	14801542	14625762	14552389	14659898	0.87	cps
Holmium	165-2	11276584	11073773	11157078	11169145	0.91	cps
Indium	115-1	11119854	11086679	11027785	11078106	0.42	cps
Indium	115-2	4920941	4863173	4845027	4876380	0.81	cps
Iron	56-2	35329627	35083334	34685739	35032900	0.93	cps
Iron	57-2	967769	947536	946028	953778	1.27	cps
Iron	54-2	1918161	1885179	1919122	1907487	1.01	cps
Krypton	83-1	220	180	200	200	10.00	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-13DLX2 Instrumnet Name : P7
Client Sample ID : MC0AF5 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:46:10 DataFile Name : 084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19604	19033	20112	19583	2.75	cps
Lead	207-1	16210	16747	16897	16618	2.18	cps
Lead	208-1	75411	77066	77389	76622	1.38	cps
Lithium	6-1	1565444	1580508	1558416	1568122	0.72	cps
Magnesium	24-2	6177922	6040179	6015285	6077795	1.44	cps
Manganese	55-2	1250327	1248020	1243433	1247260	0.28	cps
Molybdenum	94-1	25602	26090	25796	25830	0.95	cps
Molybdenum	95-1	17544	17521	17801	17622	0.88	cps
Molybdenum	96-1	22003	21462	21783	21750	1.25	cps
Molybdenum	97-1	11298	11168	11161	11209	0.69	cps
Molybdenum	98-1	28304	28184	28414	28301	0.41	cps
Neodymium	150-1	17735	17391	17598	17574	0.98	cps
Neodymium	150-2	12325	11692	11602	11873	3.32	cps
Nickel	60-2	16135	16065	15885	16029	0.81	cps
Phosphorus	31-2	2887	2670	2664	2740	4.64	cps
Potassium	39-2	4440553	4386714	4286026	4371098	1.79	cps
Rhodium	103-1	9935786	9939874	9970490	9948717	0.19	cps
Rhodium	103-2	6549531	6327323	6437260	6438038	1.73	cps
Scandium	45-1	6115317	6109557	5986346	6070407	1.20	cps
Scandium	45-2	649381	636216	647082	644226	1.09	cps
Selenium	82-1	612	656	585	618	5.77	cps
Selenium	77-2	50	33	50	44	21.66	cps
Selenium	78-2	713	593	597	634	10.77	cps
Silicon	28-1	40002386	39640221	39599427	39747345	0.56	cps
Silver	107-1	433	390	387	403	6.45	cps
Silver	109-1	373	407	303	361	14.61	cps
Sodium	23-2	232354430	229850937	228074163	230093177	0.93	cps
Strontium	86-1	2510983	2541815	2591721	2548173	1.60	cps
Strontium	88-1	22402391	22319942	22410007	22377447	0.22	cps
Sulfur	34-1	18141346	18083216	18172344	18132302	0.25	cps
Terbium	159-1	15046629	14909726	14839576	14931977	0.71	cps
Terbium	159-2	11168465	10969542	11065023	11067677	0.90	cps
Thallium	203-1	1010	1087	1127	1075	5.52	cps
Thallium	205-1	2537	2374	2494	2468	3.43	cps
Tin	118-1	4237	4124	4084	4148	1.92	cps
Titanium	47-1	201007	203293	206624	203641	1.39	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : Q1087-13DLX2 Instrumnet Name : P7
Client Sample ID : MC0AF5 Dilution Factor : 2
Date & Time Acquired : 2025-01-21 18:46:10 DataFile Name : 084SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	48254	47909	47769	47977	0.52	cps
Vanadium	51-2	59634	58730	59102	59155	0.77	cps
Yttrium	89-1	17763066	17540968	17521617	17608551	0.76	cps
Yttrium	89-2	5739836	5574061	5605394	5639764	1.56	cps
Zinc	66-2	24801	24430	24196	24476	1.25	cps
Zirconium	90-1	43127	42765	43615	43169	0.99	cps
Zirconium	91-1	9453	9590	9497	9513	0.73	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV005 Instrumnet Name : P7
Client Sample ID : CCV005 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:49:17 DataFile Name : 085CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	14431036	14619481	14411848	14487455	0.79	cps
Antimony	121-1	5559833	5576901	5629928	5588887	0.65	cps
Arsenic	75-2	318458	317080	316775	317438	0.28	cps
Barium	135-1	7003306	7070594	7073965	7049288	0.57	cps
Barium	137-1	11957401	12073976	12036334	12022570	0.49	cps
Beryllium	9-1	603463	613199	604825	607162	0.87	cps
Bismuth	209-1	8631257	8540475	8494209	8555314	0.81	cps
Bismuth	209-2	7175145	7024737	7053062	7084314	1.13	cps
Bromine	81-1	19890	19967	19326	19728	1.77	cps
Bromine	81-2	783	590	627	667	15.40	cps
Cadmium	108-1	99270	99968	100468	99902	0.60	cps
Cadmium	106-1	149379	148735	146692	148269	0.95	cps
Cadmium	111-1	1255239	1270909	1249627	1258592	0.88	cps
Calcium	43-1	7033683	7140221	7072937	7082280	0.76	cps
Calcium	44-1	115117585	114842692	114479898	114813392	0.28	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2391367	2481229	2435942	2436180	1.84	cps
Cobalt	59-2	3594303	3639442	3624829	3619525	0.64	cps
Copper	63-2	22480689	22377033	22532646	22463456	0.35	cps
Dysprosium	156-1	323	353	323	333	5.20	cps
Dysprosium	156-2	627	557	620	601	6.43	cps
Erbium	164-1	360	350	333	348	3.87	cps
Erbium	164-2	197	253	227	226	12.57	cps
Gadolinium	160-1	287	253	280	273	6.45	cps
Gadolinium	160-2	703	643	730	692	6.41	cps
Holmium	165-1	14853107	15046616	14807452	14902392	0.85	cps
Holmium	165-2	11460981	11217432	11330399	11336271	1.08	cps
Indium	115-1	11185651	11251438	11147707	11194932	0.47	cps
Indium	115-2	4943394	4835859	4942483	4907246	1.26	cps
Iron	56-2	558387672	560834365	554288712	557836916	0.59	cps
Iron	57-2	13864635	14111604	14023219	13999819	0.89	cps
Iron	54-2	30144195	30613683	30462587	30406821	0.79	cps
Krypton	83-1	217	233	237	229	4.68	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV005 Instrumnet Name : P7
Client Sample ID : CCV005 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:49:17 DataFile Name : 085CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	20674177	20844422	20776784	20765128	0.41	cps
Lead	207-1	18493576	18966562	18750679	18736939	1.26	cps
Lead	208-1	84076262	84695723	84329984	84367323	0.37	cps
Lithium	6-1	1552716	1487060	1540920	1526899	2.29	cps
Magnesium	24-2	118948232	118136375	118480988	118521865	0.34	cps
Manganese	55-2	19565513	20006808	19642758	19738360	1.19	cps
Molybdenum	94-1	19189417	19153961	19257993	19200457	0.28	cps
Molybdenum	95-1	27558145	27290070	27505911	27451375	0.52	cps
Molybdenum	96-1	30244180	30199759	30279042	30240993	0.13	cps
Molybdenum	97-1	17013976	17280293	17023068	17105779	0.88	cps
Molybdenum	98-1	44315476	44642161	44347884	44435174	0.41	cps
Neodymium	150-1	533	520	550	534	2.81	cps
Neodymium	150-2	233	200	177	203	14.01	cps
Nickel	60-2	851677	845002	847212	847964	0.40	cps
Phosphorus	31-2	134387	134763	134020	134390	0.28	cps
Potassium	39-2	79185329	79030547	79491089	79235655	0.30	cps
Rhodium	103-1	10077883	9942242	9923908	9981345	0.84	cps
Rhodium	103-2	6416329	6345202	6373081	6378204	0.56	cps
Scandium	45-1	6250552	6214158	6267691	6244134	0.44	cps
Scandium	45-2	653666	657392	660761	657273	0.54	cps
Selenium	82-1	80050	79030	79703	79594	0.65	cps
Selenium	77-2	10404	10544	10597	10515	0.95	cps
Selenium	78-2	35954	36281	35272	35836	1.44	cps
Silicon	28-1	10347312	10303089	10151358	10267253	1.00	cps
Silver	107-1	6601788	6682969	6686764	6657174	0.72	cps
Silver	109-1	6328254	6287802	6341911	6319322	0.45	cps
Sodium	23-2	185787251	184530504	185872764	185396839	0.41	cps
Strontium	86-1	1849832	1827227	1819998	1832352	0.85	cps
Strontium	88-1	15931083	16172894	16148890	16084289	0.83	cps
Sulfur	34-1	524795	521813	524441	523683	0.31	cps
Terbium	159-1	15434130	15094492	14975146	15167923	1.57	cps
Terbium	159-2	11278387	11210357	11326343	11271696	0.52	cps
Thallium	203-1	5408129	5454855	5398467	5420484	0.56	cps
Thallium	205-1	12790680	12880431	12938245	12869786	0.58	cps
Tin	118-1	4592463	4634443	4641436	4622781	0.57	cps
Titanium	47-1	6489256	6522012	6599639	6536969	0.87	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCV005 Instrumnet Name : P7
Client Sample ID : CCV005 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:49:17 DataFile Name : 085CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	17262837	17741266	17615403	17539835	1.41	cps
Vanadium	51-2	2196686	2213141	2206547	2205458	0.38	cps
Yttrium	89-1	17950376	17720975	17814891	17828747	0.65	cps
Yttrium	89-2	5730561	5784700	5754916	5756725	0.47	cps
Zinc	66-2	4151463	4123678	4165605	4146915	0.51	cps
Zirconium	90-1	9222263	9280038	9447128	9316476	1.25	cps
Zirconium	91-1	2093960	2101589	2112806	2102785	0.45	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB005 Instrumnet Name : P7
Client Sample ID : CCB005 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:52:00 DataFile Name : 086CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	470	423	420	438	6.39	cps
Antimony	121-1	2617	2204	1767	2196	19.36	cps
Arsenic	75-2	17	30	20	22	31.22	cps
Barium	135-1	1400	730	383	838	61.69	cps
Barium	137-1	2290	1313	610	1405	60.08	cps
Beryllium	9-1	270	193	190	218	20.78	cps
Bismuth	209-1	9155886	9125458	9128747	9136697	0.18	cps
Bismuth	209-2	7861088	7888039	7835864	7861664	0.33	cps
Bromine	81-1	16199	16096	15865	16053	1.06	cps
Bromine	81-2	343	347	357	349	1.99	cps
Cadmium	108-1	53	23	23	33	51.97	cps
Cadmium	106-1	7002	7102	6745	6950	2.65	cps
Cadmium	111-1	1733	1641	1456	1610	8.76	cps
Calcium	43-1	1743	1183	757	1228	40.30	cps
Calcium	44-1	33397	23061	16953	24470	33.97	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3197	3150	3080	3143	1.87	cps
Cobalt	59-2	170	183	143	166	12.30	cps
Copper	63-2	2754	2580	2350	2561	7.90	cps
Dysprosium	156-1	7	3	10	7	50.03	cps
Dysprosium	156-2	0	7	7	4	86.60	cps
Erbium	164-1	90	53	97	80	29.17	cps
Erbium	164-2	53	60	47	53	12.50	cps
Gadolinium	160-1	43	47	73	54	30.20	cps
Gadolinium	160-2	587	500	540	542	8.00	cps
Holmium	165-1	14905321	14861705	14821025	14862684	0.28	cps
Holmium	165-2	11388865	11274830	11377790	11347162	0.55	cps
Indium	115-1	11823178	11828879	11721492	11791183	0.51	cps
Indium	115-2	5190817	5170189	5274031	5211679	1.05	cps
Iron	56-2	45031	41567	39876	42158	6.23	cps
Iron	57-2	2094	1933	1887	1971	5.50	cps
Iron	54-2	4187	3934	3934	4018	3.64	cps
Krypton	83-1	183	173	190	182	4.60	cps

LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB005 Instrumnet Name : P7
Client Sample ID : CCB005 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:52:00 DataFile Name : 086CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4924	3290	2274	3496	38.25	cps
Lead	207-1	4211	2687	1803	2900	41.98	cps
Lead	208-1	19726	12809	8671	13735	40.66	cps
Lithium	6-1	1637003	1604357	1623589	1621650	1.01	cps
Magnesium	24-2	3064	2524	2210	2599	16.61	cps
Manganese	55-2	1157	1197	1137	1163	2.63	cps
Molybdenum	94-1	4928	3284	2030	3414	42.56	cps
Molybdenum	95-1	6608	4137	2610	4452	45.32	cps
Molybdenum	96-1	7212	4584	2927	4908	44.03	cps
Molybdenum	97-1	3961	2627	1670	2753	41.79	cps
Molybdenum	98-1	11214	6895	3987	7366	49.37	cps
Neodymium	150-1	10	17	10	12	31.50	cps
Neodymium	150-2	3	3	13	7	86.65	cps
Nickel	60-2	897	897	923	906	1.70	cps
Phosphorus	31-2	297	320	307	308	3.80	cps
Potassium	39-2	72686	72277	71594	72186	0.76	cps
Rhodium	103-1	11052543	10984907	10968572	11002007	0.40	cps
Rhodium	103-2	7117129	7064231	7149201	7110187	0.60	cps
Scandium	45-1	6356498	6395093	6334006	6361865	0.49	cps
Scandium	45-2	671428	668679	672901	671003	0.32	cps
Selenium	82-1	412	381	422	405	5.30	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	577	623	600	600	3.89	cps
Silicon	28-1	808802	816980	806006	810596	0.70	cps
Silver	107-1	1890	1157	747	1265	45.81	cps
Silver	109-1	1740	1093	617	1150	49.03	cps
Sodium	23-2	69677	67296	65850	67608	2.86	cps
Strontium	86-1	743	540	417	567	29.11	cps
Strontium	88-1	3417	2117	1173	2236	50.39	cps
Sulfur	34-1	175731	176701	175312	175915	0.41	cps
Terbium	159-1	15276911	15478463	15138186	15297853	1.12	cps
Terbium	159-2	11365079	11347204	11292825	11335036	0.33	cps
Thallium	203-1	1343	917	617	959	38.08	cps
Thallium	205-1	3130	1994	1330	2151	42.32	cps
Tin	118-1	1733	1410	1173	1439	19.54	cps
Titanium	47-1	1373	793	473	880	51.84	cps

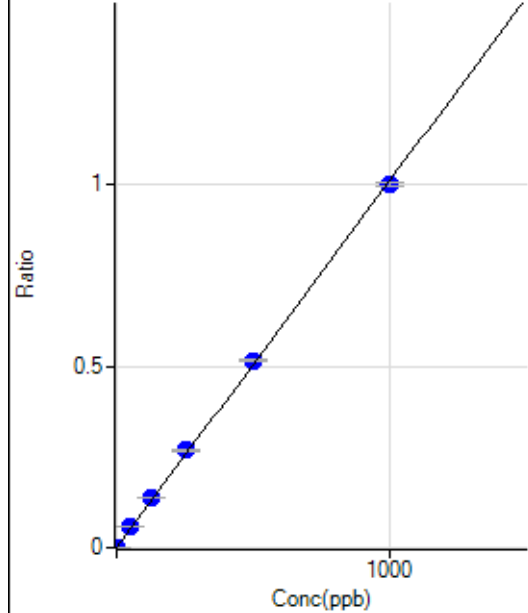
LB Number : LB134565 Operator : Jaswal
Lab Sample ID : CCB005 Instrumnet Name : P7
Client Sample ID : CCB005 Dilution Factor : 1
Date & Time Acquired : 2025-01-21 18:52:00 DataFile Name : 086CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3174	1887	827	1962	59.89	cps
Vanadium	51-2	80	37	50	56	39.95	cps
Yttrium	89-1	18397703	18384401	18361431	18381179	0.10	cps
Yttrium	89-2	5908921	5765186	5865818	5846642	1.26	cps
Zinc	66-2	693	667	627	662	5.07	cps
Zirconium	90-1	2914	1937	1660	2170	30.35	cps
Zirconium	91-1	620	417	327	454	33.07	cps

Batch Folder: D:\Agilent\ICPMH\1\DATA\P7020425MS-4.b\
Analysis File: P7020425MS-4.batch.bin
DA Date-Time: 2025-02-06 01:37:54
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2025-02-04 17:25:15
2	005CALS.d	S02	2025-02-04 17:28:33
3	006CALS.d	S03	2025-02-04 17:31:52
4	007CALS.d	S04	2025-02-04 17:34:57
5	008CALS.d	S05	2025-02-04 17:37:54
6	009CALS.d	S06	2025-02-04 17:40:42
7	010CALS.d	S07	2025-02-04 17:43:28
8	011CALS.d	S08	2025-02-04 17:46:12

9 Be [No Gas] ISTD:6 Li [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	64.44	0.0001	P	36.9
2	☐	1.000	1.153	1088.94	0.0012	P	2.0
3	☐	50.000	55.632	49706.91	0.0562	P	1.7
4	☐	125.000	136.051	122443.88	0.1374	P	0.4
5	☐	250.000	265.441	239721.38	0.2679	P	1.0
6	☐	500.000	510.012	459175.17	0.5147	P	0.9
7	☐	1000.000	989.471	882117.10	0.9985	P	1.0
8	☐			248.89	0.0003	P	23.4

$$y = 0.0010 * x + 7.3478E-005$$

$$R = 0.9998$$

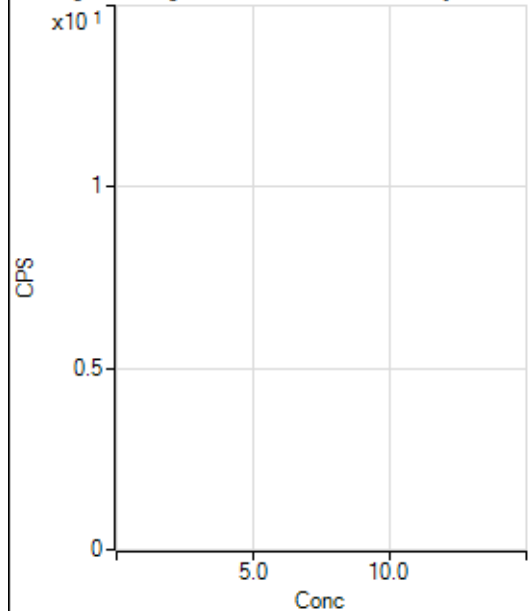
$$DL = 0.08064$$

$$BEC = 0.07282$$

Weight: <None>

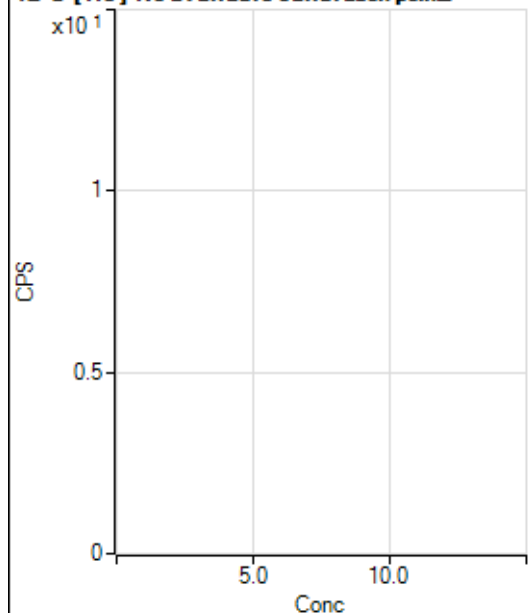
Min Conc: 0

12 C [No Gas] No available calibration points



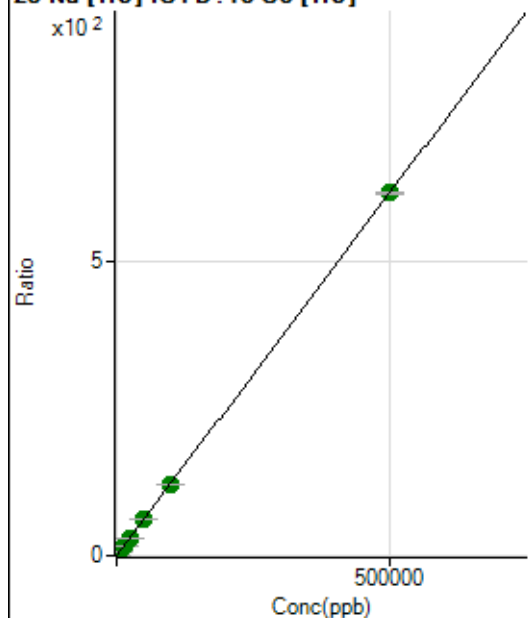
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

12 C [He] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

23 Na [He] ISTD:45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	13787.36	0.0309	P	1.2
2	☐	500.000	520.345	298519.77	0.6719	P	0.8
3	☐	5000.000	5101.122	2623725.41	6.3150	A	7.9
4	☐	12500.000	12311.906	6358853.93	15.1979	A	0.4
5	☐	25000.000	24022.521	12350060.65	29.6242	A	5.2
6	☐	50000.000	49752.279	24085527.14	61.3206	A	1.0
7	☐	100000.00	98544.396	47519513.18	121.4275	A	0.6
8	☐	500000.00	500368.43	245581300.7	616.4333	A	0.3

$$y = 0.0012 * x + 0.0309$$

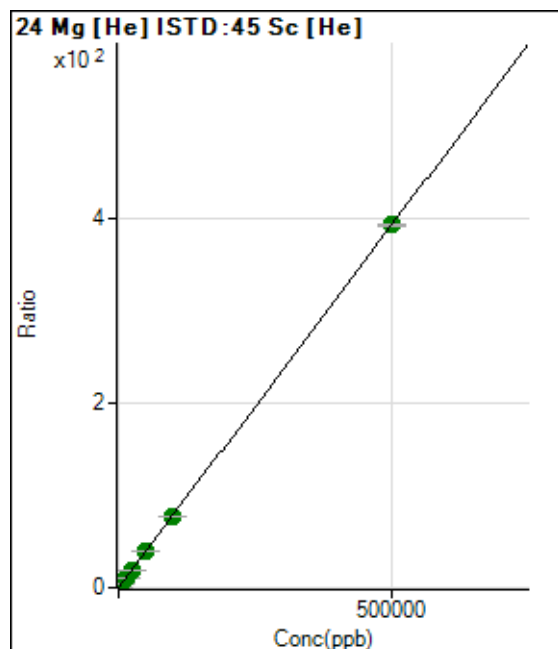
$$R = 1.0000$$

$$DL = 0.8811$$

$$BEC = 25.09$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	696.69	0.0016	P	5.9
2	☐	500.000	518.492	181329.01	0.4082	P	1.4
3	☐	5000.000	5153.346	1679679.93	4.0427	A	7.9
4	☐	12500.000	12247.398	4019077.96	9.6058	A	0.4
5	☐	25000.000	23803.792	7780407.52	18.6681	A	6.0
6	☐	50000.000	49614.156	15282904.91	38.9082	A	0.9
7	☐	100000.00	97548.839	29936506.78	76.4978	A	0.8
8	☐	500000.00	500593.39	156391155.4	392.5588	A	0.2

$$y = 7.8418E-004 * x + 0.0016$$

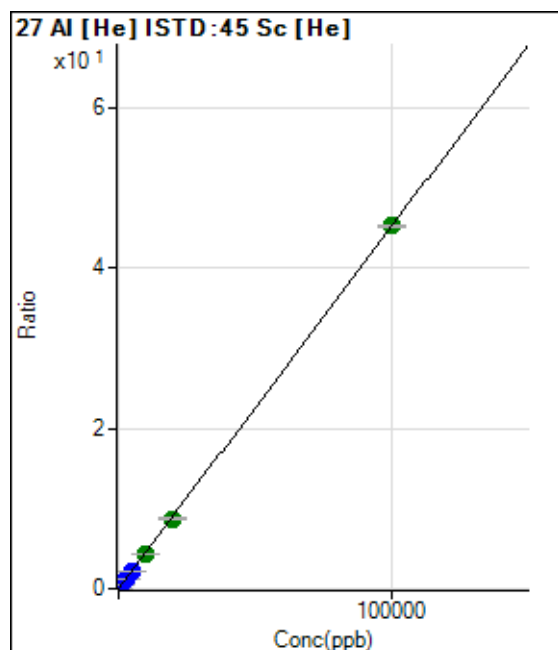
R = 1.0000

DL = 0.3553

BEC = 1.992

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	217.78	0.0005	P	5.6
2	☐	20.000	20.282	4286.19	0.0096	P	2.6
3	☐	1000.000	1013.772	190367.68	0.4583	P	8.4
4	☐	2500.000	2413.967	456326.01	1.0906	P	0.1
5	☐	5000.000	4693.717	883790.39	2.1202	P	5.5
6	☐	10000.000	9779.631	1734939.25	4.4170	A	0.5
7	☐	20000.000	19356.453	3420991.30	8.7419	A	1.4
8	☐	100000.00	100168.07	18021883.90	45.2366	A	0.4

$$y = 4.5160E-004 * x + 4.8815E-004$$

R = 1.0000

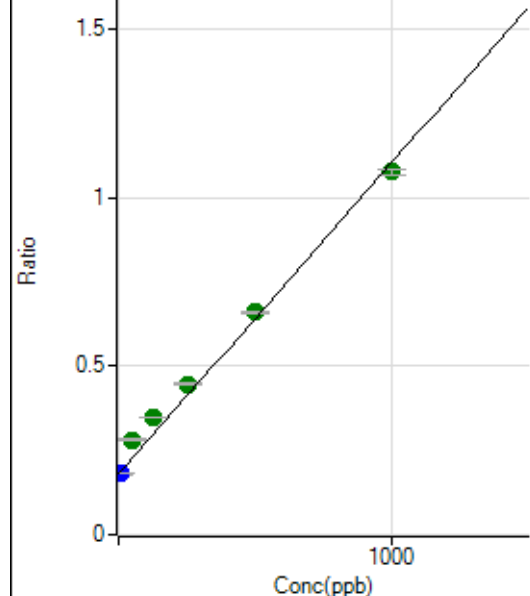
DL = 0.1819

BEC = 1.081

Weight: <None>

Min Conc: 0

28 Si [No Gas] ISTD :45 Sc [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	817274.45	0.1800	P	0.4
2	☐	10.000	4.366	836970.16	0.1840	P	0.7
3	☐	50.000	110.052	1261765.65	0.2816	A	2.0
4	☐	125.000	181.203	1475545.50	0.3473	A	0.8
5	☐	250.000	289.848	1821284.49	0.4476	A	0.4
6	☐	500.000	519.279	2577137.77	0.6594	A	0.9
7	☐	1000.000	970.427	4164694.52	1.0760	A	1.7
8	☐			620633.68	0.1611	P	1.5

$$y = 9.2336E-004 * x + 0.1800$$

R = 0.9966

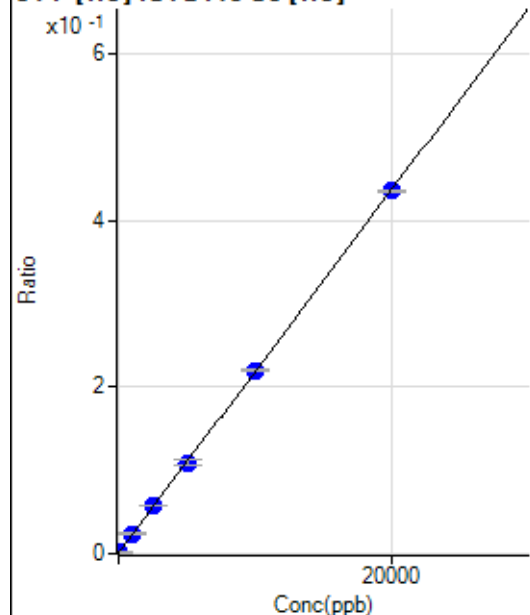
DL = 2.385

BEC = 194.9

Weight: <None>

Min Conc: 0

31 P [He] ISTD :45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-17.668	200.00	0.0004	P	5.4
2	☐	0.000	17.668	541.13	0.0012	P	11.3
3	☐	1000.000	1069.070	10014.47	0.0241	P	7.9
4	☐	2500.000	2582.512	23868.68	0.0570	P	0.8
5	☐	5000.000	4987.877	45609.97	0.1094	P	5.2
6	☐	10000.000	10077.687	86490.02	0.2202	P	0.2
7	☐	20000.000	19950.420	170275.82	0.4351	P	0.3
8	☐			180.00	0.0005	P	5.0

$$y = 2.1767E-005 * x + 8.3295E-004$$

R = 1.0000

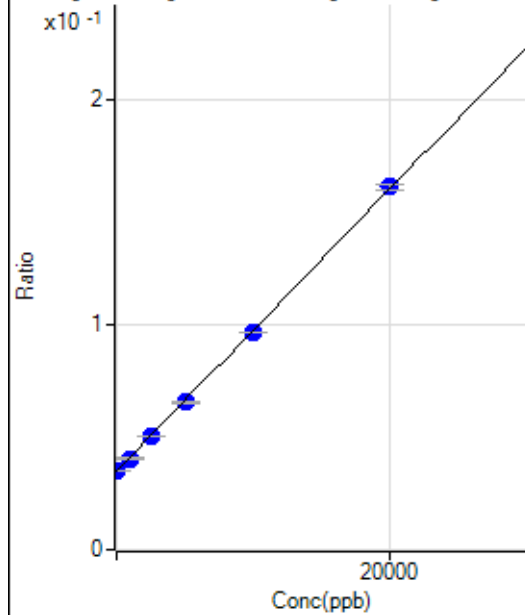
DL = 11.18

BEC = 38.27

Weight: <None>

Min Conc: 0

34 S [No Gas] ISTD:45 Sc [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-33.661	158211.35	0.0348	P	0.6
2	☐	0.000	33.661	160397.15	0.0353	P	0.9
3	☐	1000.000	877.879	181779.22	0.0406	P	1.1
4	☐	2500.000	2427.677	213685.10	0.0503	P	0.4
5	☐	5000.000	4865.142	266957.16	0.0656	P	0.4
6	☐	10000.000	9813.079	377854.43	0.0967	P	0.6
7	☐	20000.000	20142.321	625291.63	0.1616	P	1.7
8	☐			122432.20	0.0318	P	0.7

$$y = 6.2812E-006 * x + 0.0350$$

R = 0.9999

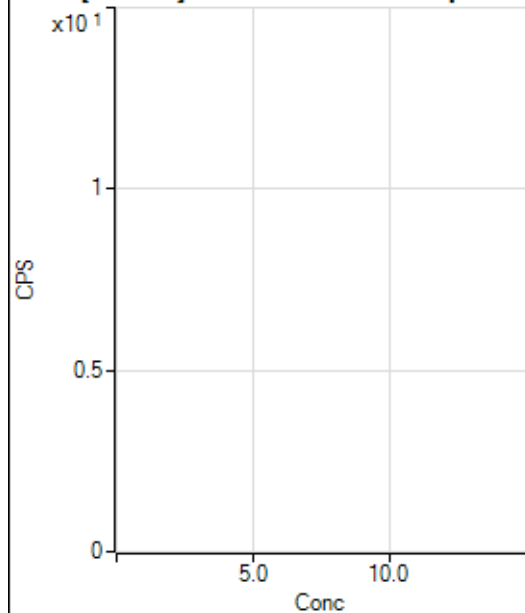
DL = 119.6

BEC = 5580

Weight: <None>

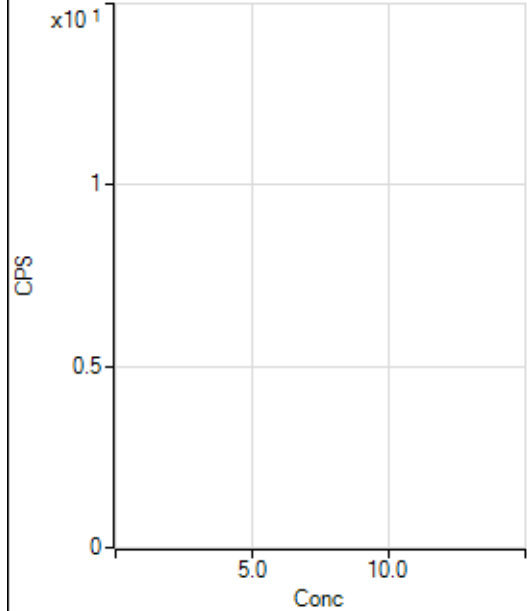
Min Conc: 0

35 Cl [No Gas] No available calibration points



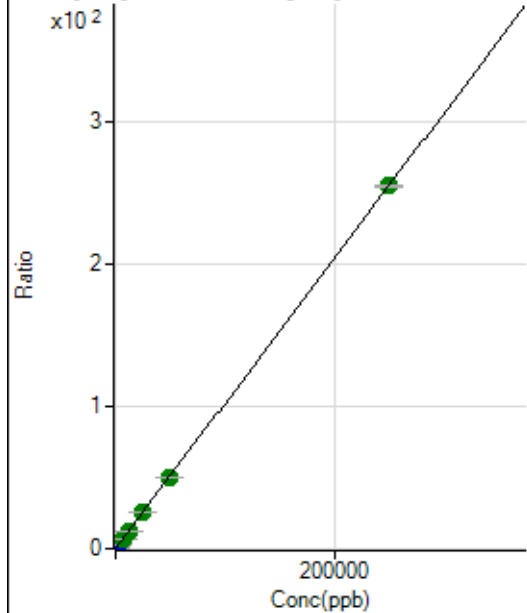
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

35 Cl [He] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐						
2	☐						
3	☐						
4	☐						
5	☐						
6	☐						
7	☐						
8	☐						

39 K [He] ISTD :45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	52871.35	0.1185	P	1.1
2	☐	500.000	548.433	300952.19	0.6774	P	0.8
3	☐	2500.000	2718.516	1200225.28	2.8887	P	7.9
4	☐	6250.000	6270.880	2723190.65	6.5086	A	1.1
5	☐	12500.000	11920.552	5112816.48	12.2657	A	5.6
6	☐	25000.000	24585.440	9887051.80	25.1713	A	0.7
7	☐	50000.000	48819.846	19514848.60	49.8664	A	0.9
8	☐	250000.00	250303.65	101661569.6	255.1803	A	0.2

$$y = 0.0010 * x + 0.1185$$

$$R = 1.0000$$

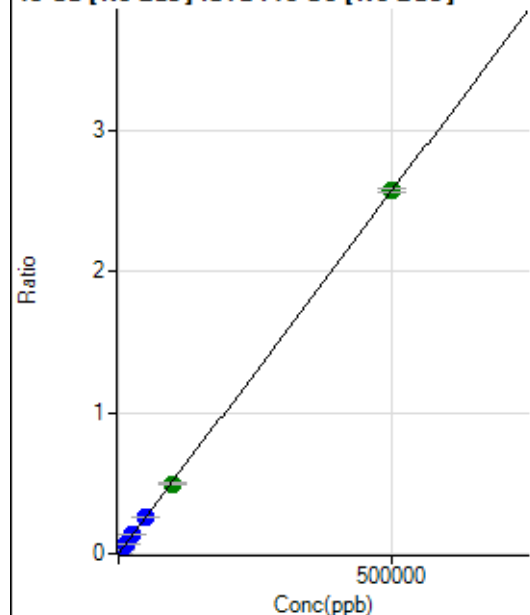
$$DL = 3.908$$

$$BEC = 116.3$$

Weight: <None>

Min Conc: 0

43 Ca [No Gas] ISTD:45 Sc [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	305.56	0.0001	P	5.5
2	☐	500.000	548.100	13120.20	0.0029	P	0.4
3	☐	5000.000	5095.326	117656.86	0.0263	P	0.8
4	☐	12500.000	12808.201	279914.56	0.0659	P	1.3
5	☐	25000.000	25554.593	534640.05	0.1314	P	0.6
6	☐	50000.000	50445.326	1013402.31	0.2593	P	1.0
7	☐	100000.00	96546.262	1920468.36	0.4962	A	2.0
8	☐	500000.00	500609.77	9913660.62	2.5728	A	1.2

$$y = 5.1392E-006 * x + 6.7269E-005$$

$$R = 1.0000$$

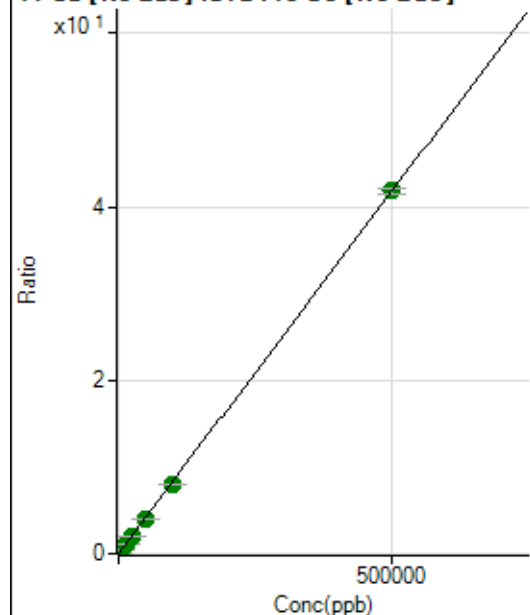
$$DL = 2.161$$

$$BEC = 13.09$$

Weight: <None>

Min Conc: 0

44 Ca [No Gas] ISTD:45 Sc [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	6542.58	0.0014	P	3.2
2	☐	500.000	547.609	214518.05	0.0472	P	0.8
3	☐	5000.000	4864.740	1826317.61	0.4076	A	2.0
4	☐	12500.000	12199.349	4332308.23	1.0199	A	1.8
5	☐	25000.000	24373.762	8285473.97	2.0362	A	0.8
6	☐	50000.000	48313.319	15768072.82	4.0348	A	0.3
7	☐	100000.00	95846.800	30972593.15	8.0030	A	2.0
8	☐	500000.00	501039.44	161177210.9	41.8298	A	1.5

$$y = 8.3483E-005 * x + 0.0014$$

$$R = 1.0000$$

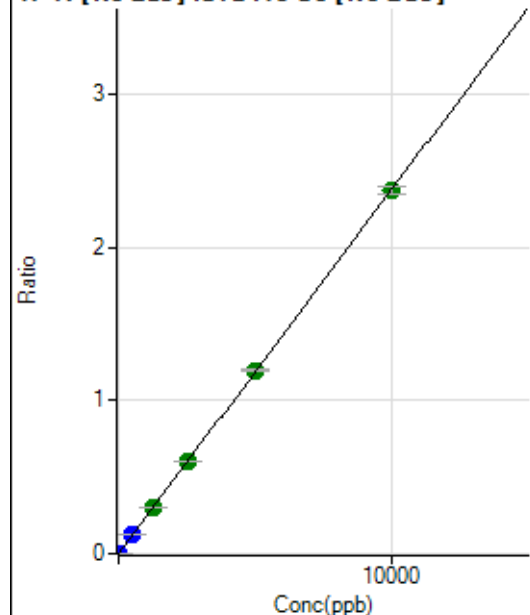
$$DL = 1.667$$

$$BEC = 17.26$$

Weight: <None>

Min Conc: 0

47 Ti [No Gas] ISTD :45 Sc [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	51.11	0.0000	P	16.8
2	☐	5.000	5.591	6094.61	0.0013	P	0.8
3	☐	500.000	506.923	539879.63	0.1205	P	1.4
4	☐	1250.000	1268.932	1281087.01	0.3016	A	1.3
5	☐	2500.000	2534.626	2450804.22	0.6023	A	0.6
6	☐	5000.000	5037.776	4678434.10	1.1972	A	0.9
7	☐	10000.000	9969.742	9168759.58	2.3692	A	2.1
8	☐			640.02	0.0002	P	14.9

$$y = 2.3763E-004 * x + 1.1259E-005$$

$$R = 1.0000$$

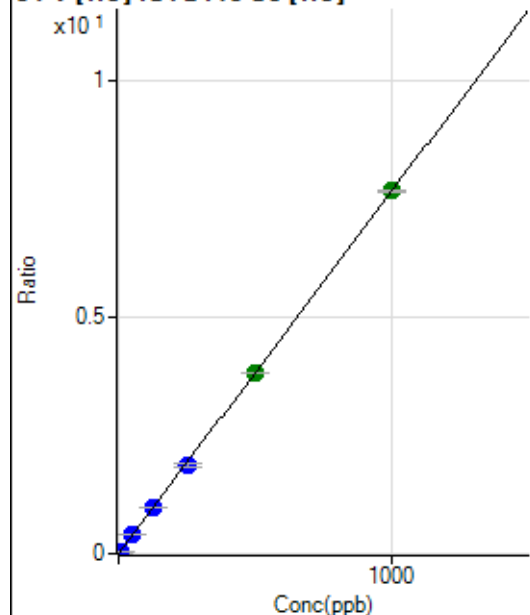
$$DL = 0.02391$$

$$BEC = 0.04738$$

Weight: <None>

Min Conc: 0

51 V [He] ISTD :45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15.55	0.0000	P	87.0
2	☐	5.000	5.534	18818.49	0.0424	P	1.0
3	☐	50.000	52.578	167066.05	0.4021	P	8.1
4	☐	125.000	125.688	402199.20	0.9613	P	0.5
5	☐	250.000	242.867	774334.61	1.8574	P	5.3
6	☐	500.000	499.873	1501625.60	3.8230	A	0.3
7	☐	1000.000	1001.629	2997926.14	7.6603	A	0.8
8	☐			838.92	0.0021	P	3.0

$$y = 0.0076 * x + 3.4880E-005$$

$$R = 1.0000$$

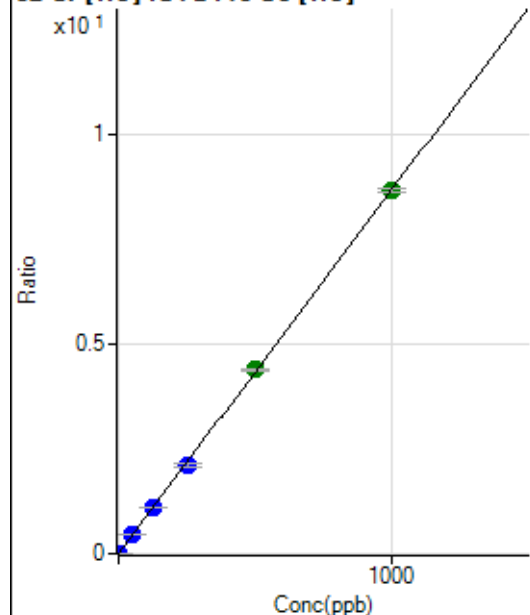
$$DL = 0.0119$$

$$BEC = 0.004561$$

Weight: <None>

Min Conc: 0

52 Cr [He] ISTD:45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	786.70	0.0018	P	6.5
2	☐	2.000	2.213	9290.70	0.0209	P	1.2
3	☐	50.000	52.958	191089.67	0.4599	P	7.9
4	☐	125.000	126.326	458025.68	1.0947	P	0.4
5	☐	250.000	243.760	879866.90	2.1107	P	5.4
6	☐	500.000	506.669	1722474.63	4.3853	A	1.2
7	☐	1000.000	997.912	3379520.61	8.6354	A	0.9
8	☐			8646.19	0.0217	P	2.9

$$y = 0.0087 * x + 0.0018$$

$$R = 0.9999$$

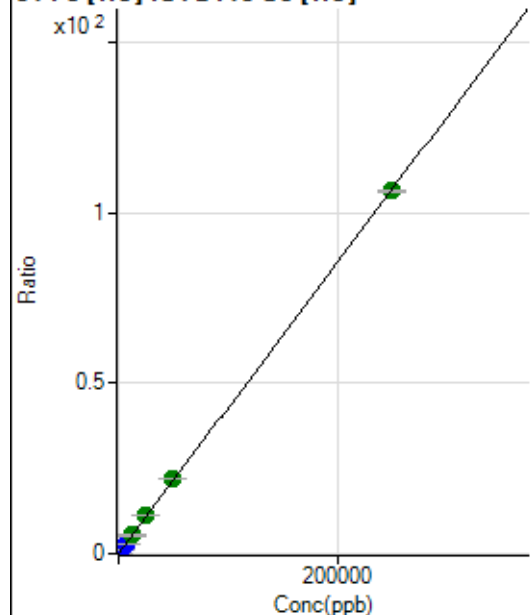
$$DL = 0.03965$$

$$BEC = 0.2039$$

Weight: <None>

Min Conc: 0

54 Fe [He] ISTD:45 Sc [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	2233.52	0.0050	P	4.0
2	☐	50.000	59.065	13404.92	0.0302	P	2.1
3	☐	2500.000	2820.956	501394.62	1.2069	P	8.0
4	☐	6250.000	6694.698	1195489.11	2.8573	P	0.1
5	☐	12500.000	12727.218	2262198.44	5.4274	A	5.8
6	☐	25000.000	26388.967	4418118.90	11.2480	A	0.6
7	☐	50000.000	51652.084	8614092.37	22.0113	A	0.1
8	☐	250000.00	249504.99	42351493.54	106.3064	A	0.2

$$y = 4.2605E-004 * x + 0.0050$$

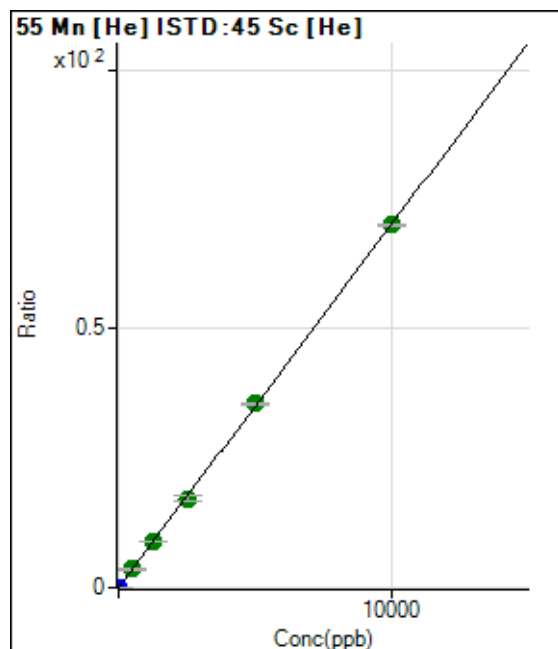
$$R = 1.0000$$

$$DL = 1.408$$

$$BEC = 11.76$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	211.11	0.0005	P	12.5
2	☐	1.000	1.091	3613.80	0.0081	P	2.6
3	☐	500.000	523.380	1527150.29	3.6765	A	8.4
4	☐	1250.000	1246.171	3662348.21	8.7532	A	0.4
5	☐	2500.000	2444.891	7156771.08	17.1726	A	6.3
6	☐	5000.000	5057.273	13952143.96	35.5211	A	0.6
7	☐	10000.000	9984.451	27443749.87	70.1279	A	0.8
8	☐			14158.97	0.0355	P	2.6

$$y = 0.0070 * x + 4.7354E-004$$

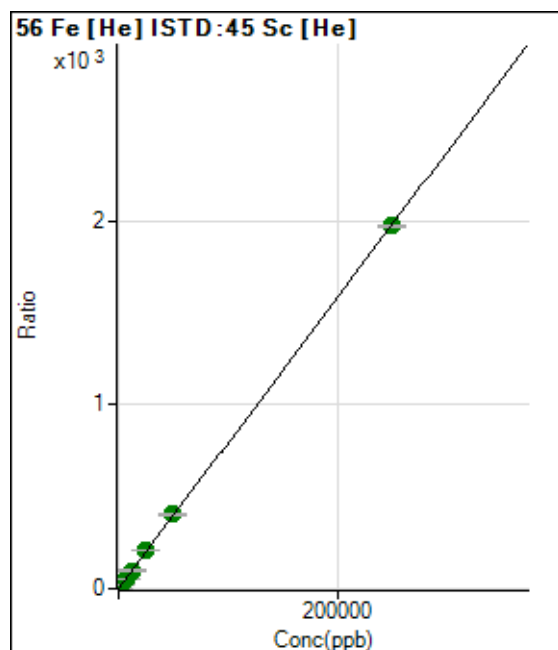
$$R = 1.0000$$

$$DL = 0.02526$$

$$BEC = 0.06742$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	15598.16	0.0350	P	2.1
2	☐	50.000	57.183	216409.43	0.4871	P	0.6
3	☐	2500.000	2704.641	8899807.44	21.4197	A	7.8
4	☐	6250.000	6427.357	21277534.40	50.8540	A	0.7
5	☐	12500.000	12565.454	41423647.44	99.3859	A	5.9
6	☐	25000.000	25898.635	80445972.69	204.8070	A	0.3
7	☐	50000.000	51208.948	158460587.6	404.9273	A	1.2
8	☐	250000.00	249658.59	786424850.5	1,974.003	A	0.4

$$y = 0.0079 * x + 0.0350$$

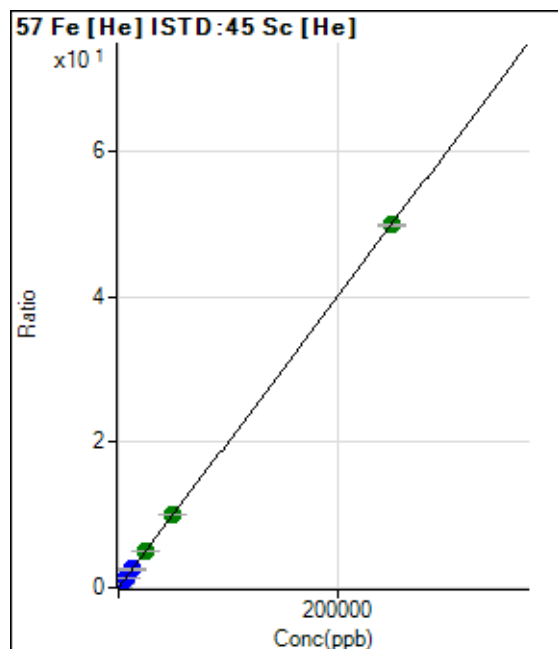
$$R = 1.0000$$

$$DL = 0.2851$$

$$BEC = 4.423$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1300.07	0.0029	P	4.5
2	☐	50.000	58.596	6498.13	0.0146	P	1.5
3	☐	2500.000	2734.066	228215.41	0.5493	P	8.0
4	☐	6250.000	6520.716	546470.83	1.3061	P	0.4
5	☐	12500.000	12654.320	1055512.60	2.5319	P	5.2
6	☐	25000.000	25619.181	2012275.70	5.1229	A	1.1
7	☐	50000.000	50634.659	3961308.80	10.1223	A	1.0
8	☐	250000.00	249794.32	19889357.90	49.9247	A	0.7

$$y = 1.9985E-004 * x + 0.0029$$

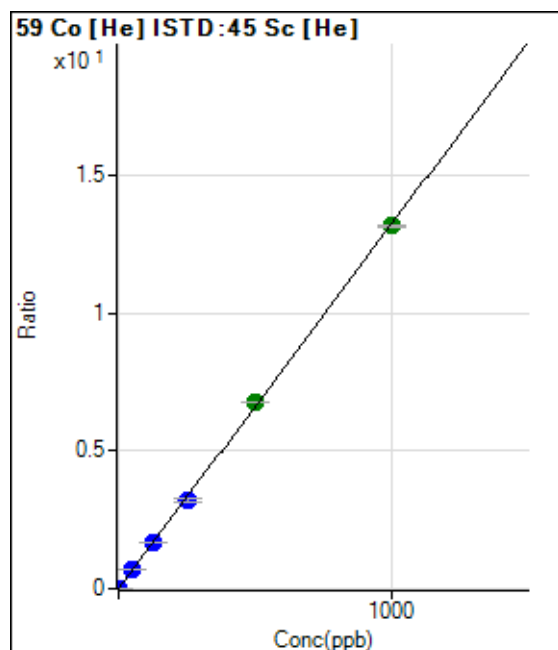
R = 1.0000

DL = 1.967

BEC = 14.58

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	122.22	0.0003	P	8.9
2	☐	1.000	1.164	6962.79	0.0157	P	3.7
3	☐	50.000	53.112	291973.84	0.7027	P	7.9
4	☐	125.000	126.512	700214.47	1.6735	P	0.6
5	☐	250.000	243.385	1341830.80	3.2193	P	5.8
6	☐	500.000	512.006	2660030.08	6.7722	A	0.4
7	☐	1000.000	995.306	5151814.02	13.1644	A	0.5
8	☐			14007.71	0.0352	P	1.6

$$y = 0.0132 * x + 2.7393E-004$$

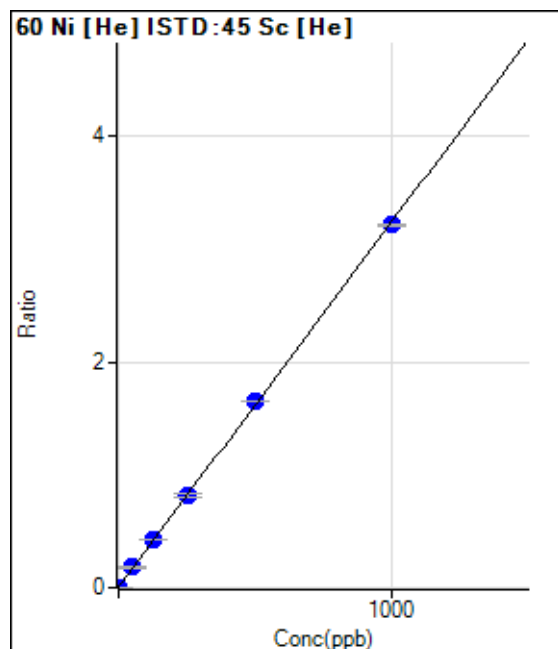
R = 0.9999

DL = 0.005546

BEC = 0.02071

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1595.66	0.0036	P	4.4
2	☐	1.000	1.173	3275.95	0.0074	P	3.1
3	☐	50.000	55.460	76071.55	0.1830	P	7.4
4	☐	125.000	131.162	179086.16	0.4280	P	0.3
5	☐	250.000	252.407	341974.45	0.8204	P	5.5
6	☐	500.000	511.540	651608.86	1.6589	P	0.2
7	☐	1000.000	992.585	1258416.74	3.2156	P	0.3
8	☐			6508.13	0.0163	P	1.2

$$y = 0.0032 * x + 0.0036$$

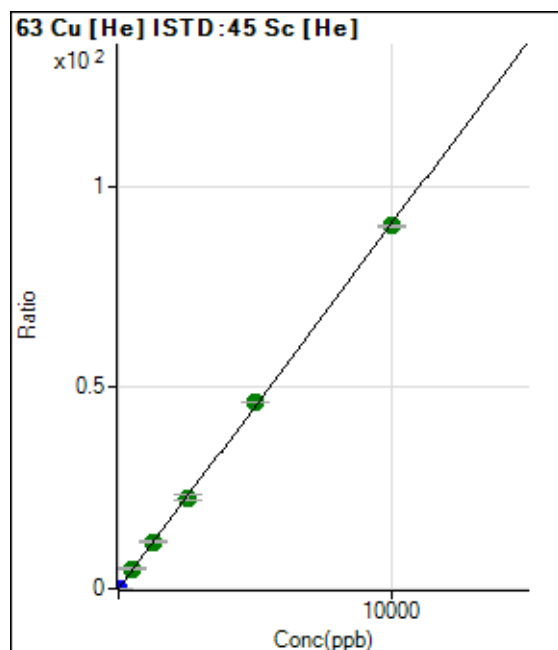
$$R = 0.9999$$

$$DL = 0.145$$

$$BEC = 1.106$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	1456.75	0.0033	P	5.1
2	☐	2.000	2.189	10273.59	0.0231	P	1.7
3	☐	500.000	546.147	2060674.33	4.9573	A	6.9
4	☐	1250.000	1287.912	4889336.94	11.6857	A	1.0
5	☐	2500.000	2491.729	9423572.71	22.6053	A	5.3
6	☐	5000.000	5100.105	18172563.76	46.2654	A	0.3
7	☐	10000.000	9944.969	35304315.58	90.2123	A	0.2
8	☐			5461.04	0.0137	P	3.4

$$y = 0.0091 * x + 0.0033$$

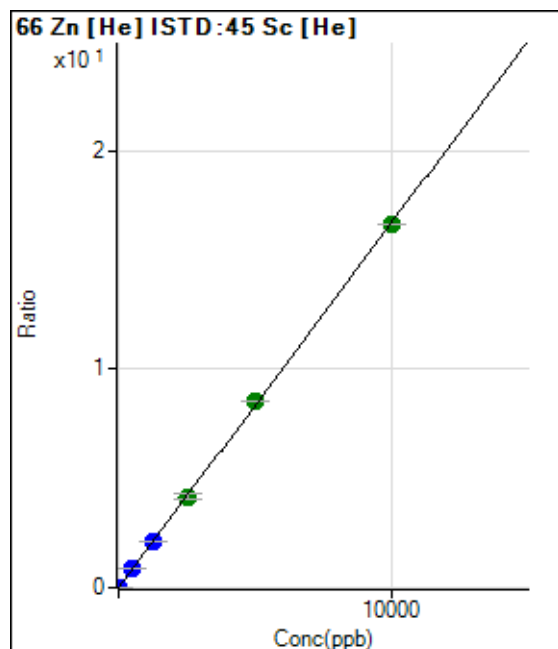
$$R = 0.9999$$

$$DL = 0.05557$$

$$BEC = 0.36$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	453.34	0.0010	P	7.5
2	☐	2.000	5.431	4480.71	0.0101	P	2.1
3	☐	500.000	521.428	362200.99	0.8718	P	7.9
4	☐	1250.000	1253.732	876407.46	2.0947	P	0.4
5	☐	2500.000	2496.501	1738658.64	4.1700	A	4.8
6	☐	5000.000	5108.720	3351385.02	8.5322	A	0.7
7	☐	10000.000	9944.976	6499722.75	16.6084	A	0.2
8	☐			3115.91	0.0078	P	6.6

$$y = 0.0017 * x + 0.0010$$

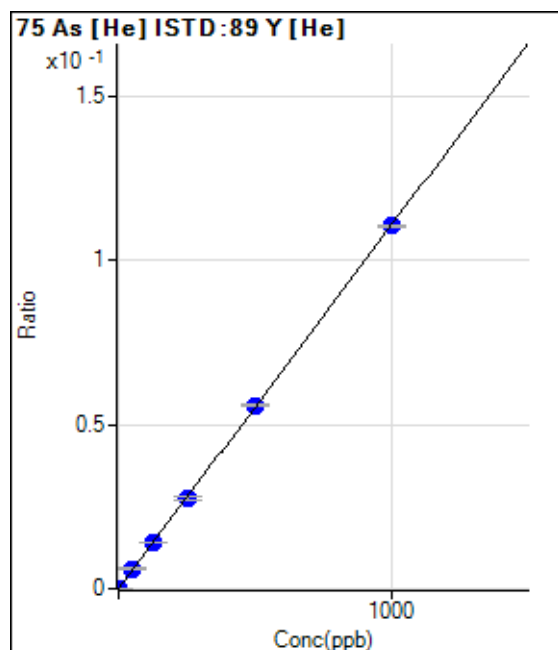
$$R = 0.9999$$

$$DL = 0.1371$$

$$BEC = 0.6084$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	10.00	0.0000	P	100.
2	☐	1.000	1.162	586.68	0.0001	P	5.3
3	☐	50.000	55.142	25793.56	0.0061	P	6.1
4	☐	125.000	128.248	61212.20	0.0142	P	1.1
5	☐	250.000	248.157	118060.44	0.0275	P	3.5
6	☐	500.000	504.081	229878.17	0.0559	P	0.7
7	☐	1000.000	997.757	452411.06	0.1106	P	0.8
8	☐			260.00	0.0001	P	4.3

$$y = 1.1084E-004 * x + 2.2207E-006$$

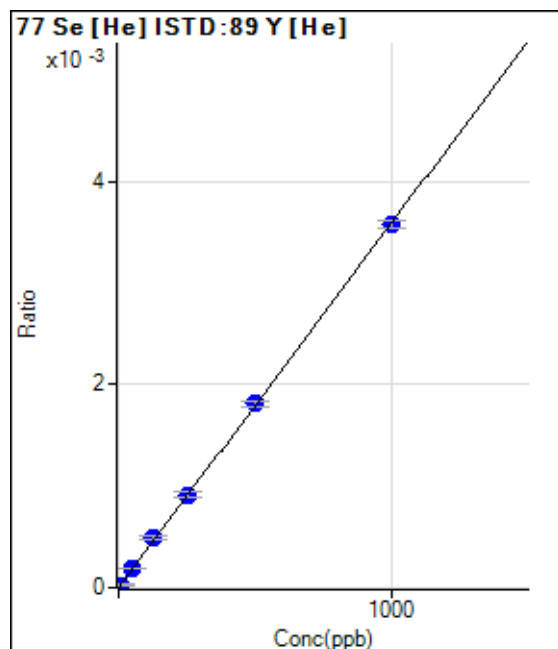
$$R = 1.0000$$

$$DL = 0.06037$$

$$BEC = 0.02003$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	0.00	0.0000	P	
2	☐	5.000	7.532	121.12	0.0000	P	18.1
3	☐	50.000	52.301	792.25	0.0002	P	7.6
4	☐	125.000	136.108	2104.62	0.0005	P	7.7
5	☐	250.000	255.133	3931.68	0.0009	P	5.8
6	☐	500.000	504.656	7458.61	0.0018	P	3.2
7	☐	1000.000	994.873	14622.86	0.0036	P	2.1
8	☐			4.44	0.0000	P	115.

$$y = 3.5926\text{E-}006 * x + 0.0000\text{E+}000$$

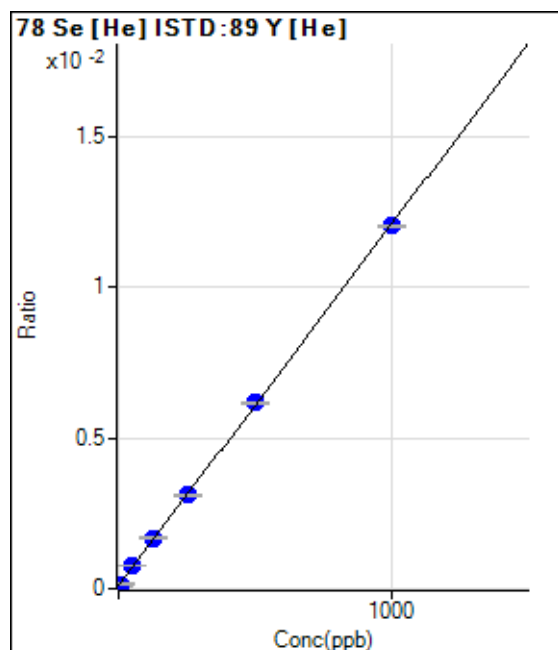
$$R = 0.9999$$

$$DL = 0$$

$$BEC = 0$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	443.34	0.0001	P	7.3
2	☐	5.000	4.932	705.58	0.0002	P	6.2
3	☐	50.000	55.635	3234.83	0.0008	P	4.9
4	☐	125.000	132.489	7274.07	0.0017	P	1.4
5	☐	250.000	250.097	13314.95	0.0031	P	2.8
6	☐	500.000	506.702	25439.72	0.0062	P	1.0
7	☐	1000.000	995.408	49305.09	0.0121	P	0.3
8	☐			346.67	0.0001	P	8.4

$$y = 1.2009\text{E-}005 * x + 9.8306\text{E-}005$$

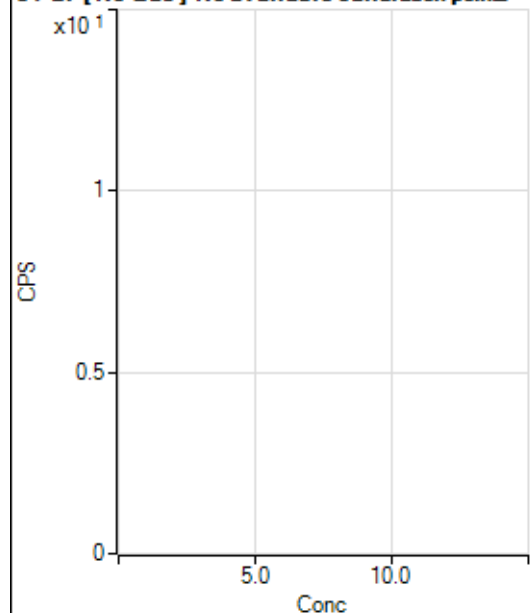
$$R = 0.9999$$

$$DL = 1.796$$

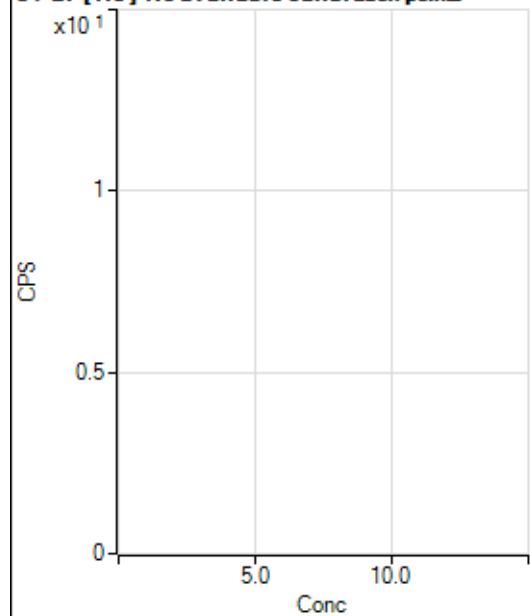
$$BEC = 8.186$$

Weight: <None>

Min Conc: 0

81 Br [No Gas] No available calibration points

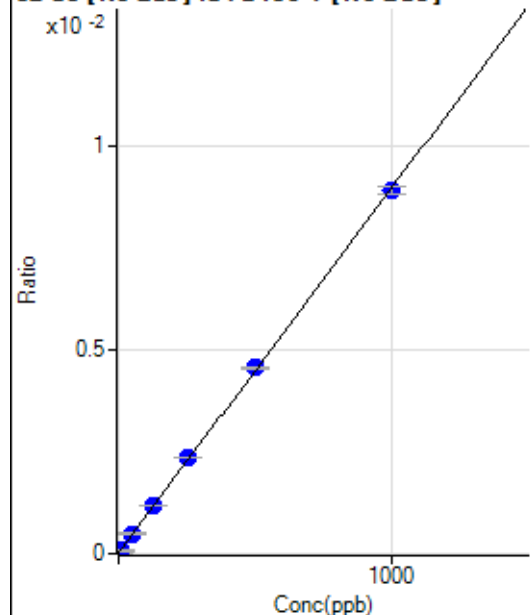
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			15847.46		P	2.3
2	☐			16190.13		P	0.6
3	☐			14820.87		P	3.6
4	☐			13992.28		P	3.7
5	☐			13167.07		P	2.6
6	☐			12586.55		P	1.5
7	☐			13062.56		P	1.4
8	☐			13618.59		P	2.4

81 Br [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			127.78		P	10.5
2	☐			112.22		P	17.4
3	☐			105.56		P	15.6
4	☐			103.33		P	28.7
5	☐			98.89		P	7.0
6	☐			101.11		P	31.2
7	☐			83.33		P	14.4
8	☐			107.78		P	4.7

Calibration for 006CAL.S.d

82 Se [No Gas] ISTD:89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	297.05	0.0000	P	17.6
2	☐	5.000	5.768	1093.43	0.0001	P	4.8
3	☐	50.000	53.089	7557.97	0.0005	P	1.4
4	☐	125.000	128.615	17439.95	0.0012	P	0.2
5	☐	250.000	260.307	34027.71	0.0023	P	0.5
6	☐	500.000	508.073	64224.62	0.0046	P	0.7
7	☐	1000.000	992.777	124528.72	0.0089	P	2.0
8	☐			391.57	0.0000	P	9.1

$y = 8.9390E-006 * x + 1.9303E-005$

R = 0.9999

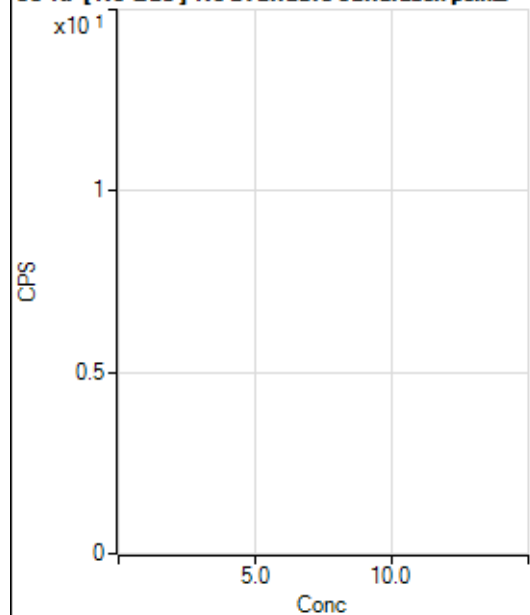
DL = 1.138

BEC = 2.159

Weight: <None>

Min Conc: 0

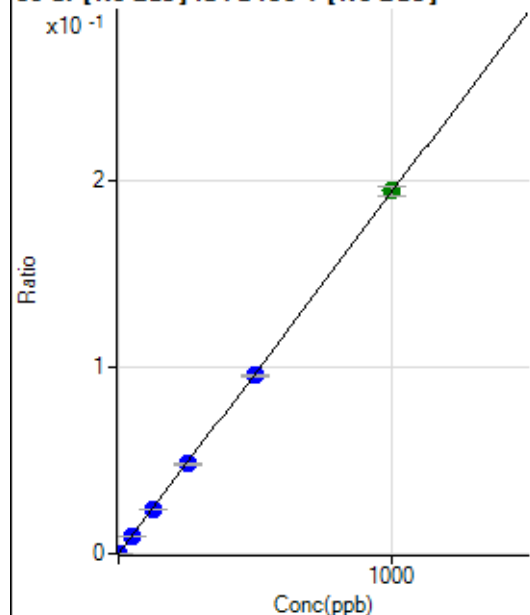
83 Kr [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			195.56		P	9.7
2	☐			192.23		P	18.0
3	☐			122.23		P	15.5
4	☐			176.67		P	1.9
5	☐			141.12		P	16.1
6	☐			164.45		P	10.0
7	☐			148.89		P	13.7
8	☐			194.45		P	14.3

Calibration for 006CAL.S.d

86 Sr [No Gas] ISTD : 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	291.12	0.0000	P	5.6
2	☐	1.000	1.053	3439.32	0.0002	P	2.4
3	☐	50.000	49.904	148180.73	0.0097	P	0.7
4	☐	125.000	123.288	356455.64	0.0239	P	0.8
5	☐	250.000	247.781	696190.33	0.0480	P	0.7
6	☐	500.000	492.521	1343324.83	0.0954	P	0.9
7	☐	1000.000	1004.513	2723941.28	0.1945	A	2.5
8	☐			9119.55	0.0007	P	3.2

$$y = 1.9365E-004 * x + 1.8921E-005$$

R = 1.0000

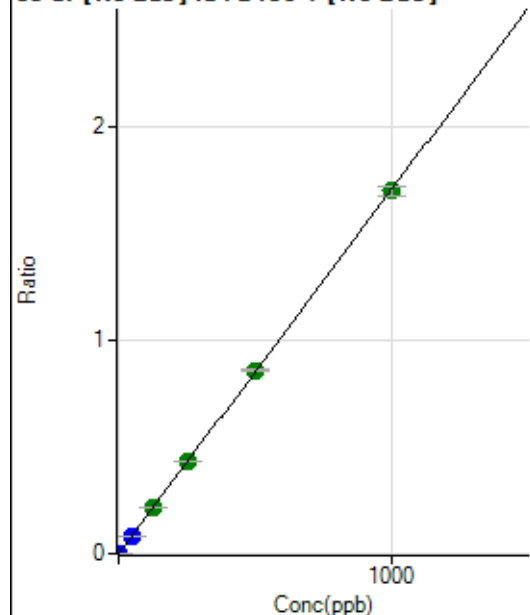
DL = 0.01653

BEC = 0.0977

Weight: <None>

Min Conc: 0

88 Sr [No Gas] ISTD : 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	176.67	0.0000	P	3.7
2	☐	1.000	1.057	27959.99	0.0018	P	0.8
3	☐	50.000	49.064	1279765.81	0.0836	P	1.2
4	☐	125.000	125.722	3196845.23	0.2143	A	0.5
5	☐	250.000	253.501	6266407.34	0.4321	A	0.6
6	☐	500.000	504.375	12104962.87	0.8596	A	0.3
7	☐	1000.000	996.894	23788140.48	1.6991	A	2.6
8	☐			77560.65	0.0057	P	0.9

$$y = 0.0017 * x + 1.1481E-005$$

R = 1.0000

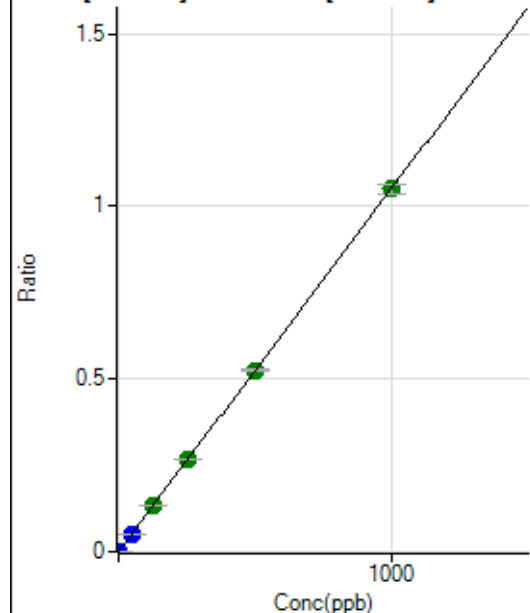
DL = 0.0007571

BEC = 0.006736

Weight: <None>

Min Conc: 0

90 Zr [No Gas] ISTD : 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	485.57	0.0000	P	12.9
2	☐	1.000	1.036	17294.75	0.0011	P	1.1
3	☐	50.000	49.096	790520.56	0.0517	P	0.9
4	☐	125.000	124.924	1960274.64	0.1314	A	0.3
5	☐	250.000	253.198	3862054.11	0.2663	A	0.7
6	☐	500.000	500.039	7404847.11	0.5259	A	0.4
7	☐	1000.000	999.236	14711494.92	1.0508	A	2.8
8	☐			25694.77	0.0019	P	0.4

$$y = 0.0011 * x + 3.1560E-005$$

$$R = 1.0000$$

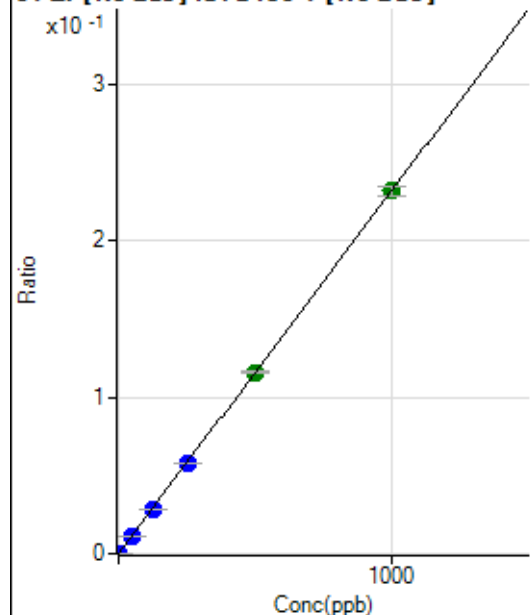
$$DL = 0.01163$$

$$BEC = 0.03001$$

Weight: <None>

Min Conc: 0

91 Zr [No Gas] ISTD : 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	84.44	0.0000	P	6.0
2	☐	1.000	1.024	3749.41	0.0002	P	1.3
3	☐	50.000	49.323	175148.32	0.0114	P	1.2
4	☐	125.000	123.396	427071.88	0.0286	P	0.4
5	☐	250.000	249.695	840070.14	0.0579	P	0.6
6	☐	500.000	500.107	1633509.66	0.1160	A	1.4
7	☐	1000.000	1000.257	3248307.97	0.2320	A	2.8
8	☐			5642.24	0.0004	P	2.0

$$y = 2.3195E-004 * x + 5.4878E-006$$

$$R = 1.0000$$

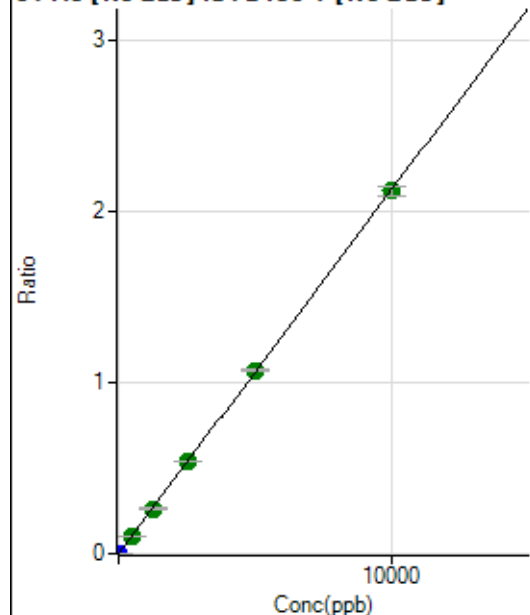
$$DL = 0.004293$$

$$BEC = 0.02366$$

Weight: <None>

Min Conc: 0

94 Mo [No Gas] ISTD:89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	218.90	0.0000	P	17.9
2	☐	5.000	6.237	20689.15	0.0013	P	0.8
3	☐	500.000	496.599	1616581.19	0.1056	A	1.2
4	☐	1250.000	1241.209	3938676.36	0.2640	A	0.3
5	☐	2500.000	2529.852	7804286.69	0.5381	A	0.4
6	☐	5000.000	5039.799	15094715.61	1.0720	A	0.6
7	☐	10000.000	9973.906	29699809.56	2.1214	A	3.0
8	☐			12641.08	0.0009	P	0.5

$$y = 2.1270E-004 * x + 1.4229E-005$$

R = 1.0000

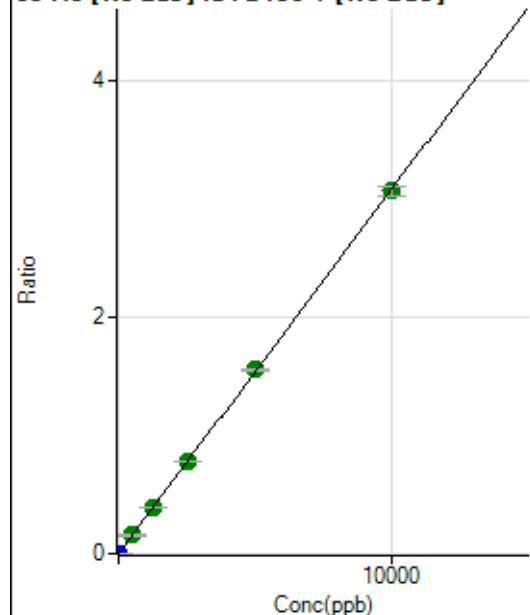
DL = 0.03586

BEC = 0.0669

Weight: <None>

Min Conc: 0

95 Mo [No Gas] ISTD:89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	100.00	0.0000	P	8.7
2	☐	5.000	5.258	25060.37	0.0016	P	0.9
3	☐	500.000	504.399	2374774.37	0.1552	A	1.7
4	☐	1250.000	1254.240	5756790.75	0.3859	A	0.4
5	☐	2500.000	2544.961	11355887.75	0.7830	A	0.3
6	☐	5000.000	5051.282	21883479.67	1.5541	A	0.3
7	☐	10000.000	9962.369	42911925.19	3.0650	A	2.6
8	☐			4944.21	0.0004	P	2.6

$$y = 3.0766E-004 * x + 6.4983E-006$$

R = 1.0000

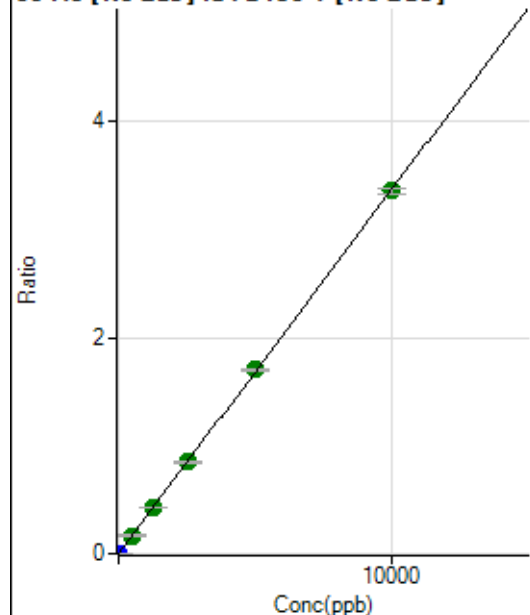
DL = 0.005521

BEC = 0.02112

Weight: <None>

Min Conc: 0

96 Mo [No Gas] ISTD: 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	175.56	0.0000	P	10.9
2	☐	5.000	5.309	27785.26	0.0018	P	1.3
3	☐	500.000	501.289	2585956.70	0.1690	A	1.5
4	☐	1250.000	1251.534	6293777.68	0.4219	A	0.9
5	☐	2500.000	2511.311	12277822.46	0.8465	A	0.3
6	☐	5000.000	5050.602	23973713.81	1.7025	A	0.7
7	☐	10000.000	9971.615	47066828.74	3.3613	A	1.8
8	☐			16517.19	0.0012	P	2.3

$$y = 3.3709\text{E-}004 * x + 1.1410\text{E-}005$$

R = 1.0000

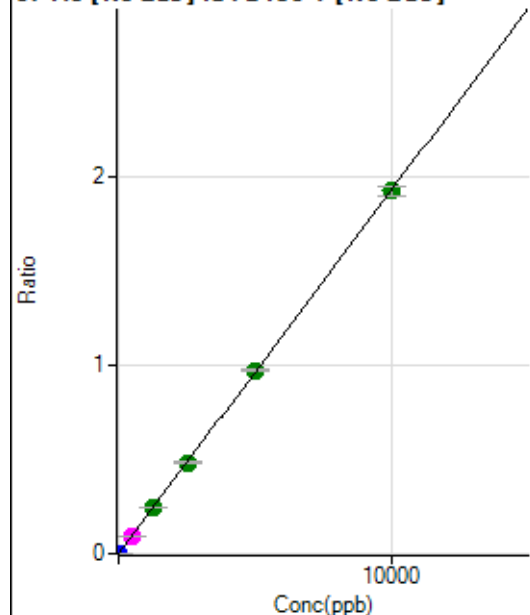
DL = 0.01109

BEC = 0.03385

Weight: <None>

Min Conc: 0

97 Mo [No Gas] ISTD: 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	74.45	0.0000	P	17.9
2	☐	5.000	5.254	15706.31	0.0010	P	0.3
3	☐	500.000	493.158	1455211.59	0.0951	M	1.0
4	☐	1250.000	1249.267	3593724.67	0.2409	A	0.7
5	☐	2500.000	2511.187	7022842.39	0.4842	A	0.5
6	☐	5000.000	5035.964	13673077.71	0.9710	A	1.0
7	☐	10000.000	9979.655	26940543.77	1.9242	A	2.6
8	☐			3183.71	0.0002	P	2.1

$$y = 1.9281\text{E-}004 * x + 4.8371\text{E-}006$$

R = 1.0000

DL = 0.01349

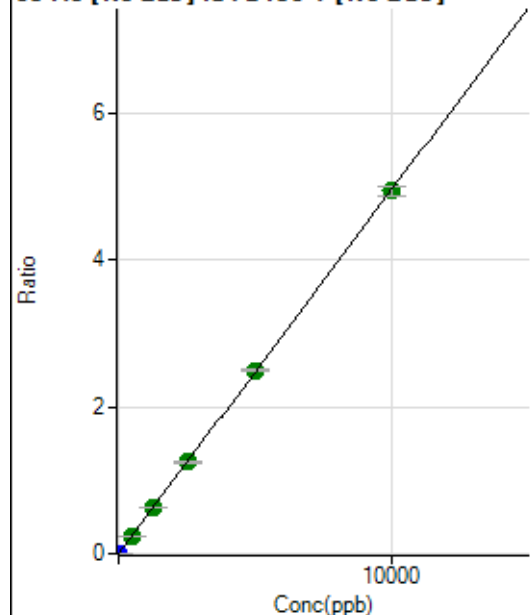
BEC = 0.02509

Weight: <None>

Min Conc: 0

Calibration for 006CALS.d

98 Mo [No Gas] ISTD: 89 Y [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	164.45	0.0000	P	16.4
2	☐	5.000	5.272	40449.21	0.0026	P	1.2
3	☐	500.000	498.112	3775015.74	0.2467	A	0.5
4	☐	1250.000	1252.645	9254587.92	0.6203	A	0.5
5	☐	2500.000	2515.622	18068399.31	1.2458	A	0.4
6	☐	5000.000	5043.463	35169657.53	2.4976	A	1.1
7	☐	10000.000	9974.127	69155542.86	4.9394	A	2.5
8	☐			7435.28	0.0005	P	4.0

$$y = 4.9522\text{E-}004 * x + 1.0687\text{E-}005$$

$$R = 1.0000$$

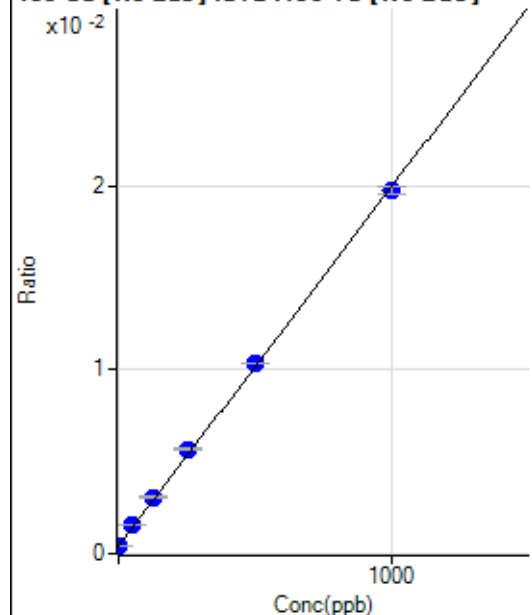
$$DL = 0.01062$$

$$BEC = 0.02158$$

Weight: <None>

Min Conc: 0

106 Cd [No Gas] ISTD: 159 Tb [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	4664.13	0.0004	P	3.3
2	☐	1.000	1.210	4972.01	0.0004	P	3.2
3	☐	50.000	57.764	17675.28	0.0015	P	1.3
4	☐	125.000	136.348	35309.51	0.0031	P	1.7
5	☐	250.000	269.621	64903.97	0.0057	P	2.8
6	☐	500.000	509.084	120796.52	0.0103	P	0.7
7	☐	1000.000	988.746	230895.96	0.0197	P	2.1
8	☐			4219.54	0.0004	P	1.9

$$y = 1.9515\text{E-}005 * x + 4.0973\text{E-}004$$

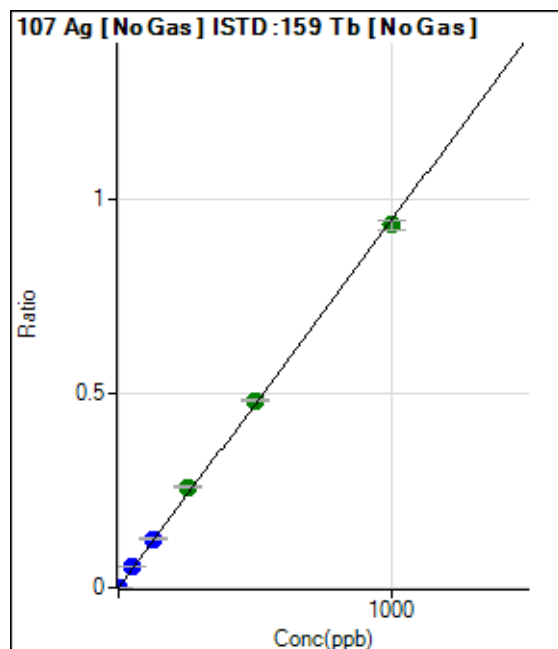
$$R = 0.9997$$

$$DL = 2.088$$

$$BEC = 21$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	83.34	0.0000	P	22.8
2	☐	1.000	1.190	12987.02	0.0011	P	1.2
3	☐	50.000	55.388	602059.12	0.0524	P	0.9
4	☐	125.000	133.000	1445843.71	0.1257	P	1.3
5	☐	250.000	273.918	2963790.20	0.2589	A	0.7
6	☐	500.000	510.294	5632884.78	0.4824	A	1.3
7	☐	1000.000	987.604	10938682.89	0.9336	A	2.3
8	☐			1018.94	0.0001	P	6.5

$$y = 9.4529E-004 * x + 7.3275E-006$$

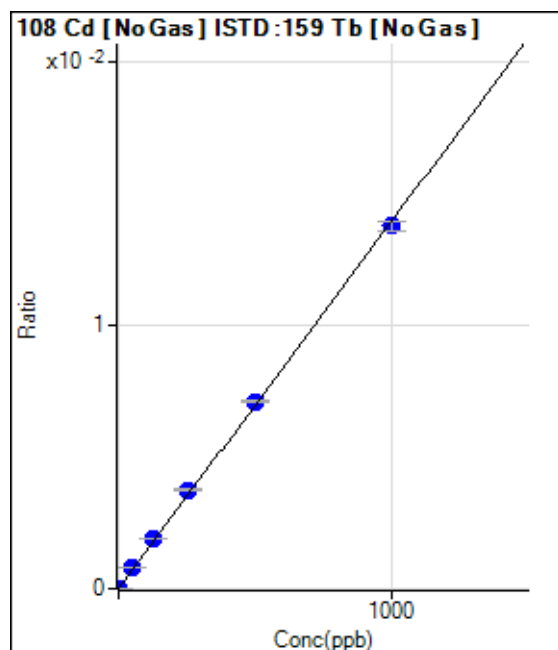
$$R = 0.9996$$

$$DL = 0.005313$$

$$BEC = 0.007752$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	11.11	0.0000	P	95.8
2	☐	1.000	1.105	187.78	0.0000	P	13.8
3	☐	50.000	57.204	9177.42	0.0008	P	0.9
4	☐	125.000	136.818	21935.53	0.0019	P	1.3
5	☐	250.000	269.313	42961.15	0.0038	P	1.8
6	☐	500.000	510.396	83062.36	0.0071	P	1.1
7	☐	1000.000	988.136	161337.62	0.0138	P	2.9
8	☐			94.45	0.0000	P	26.0

$$y = 1.3935E-005 * x + 9.7161E-007$$

$$R = 0.9997$$

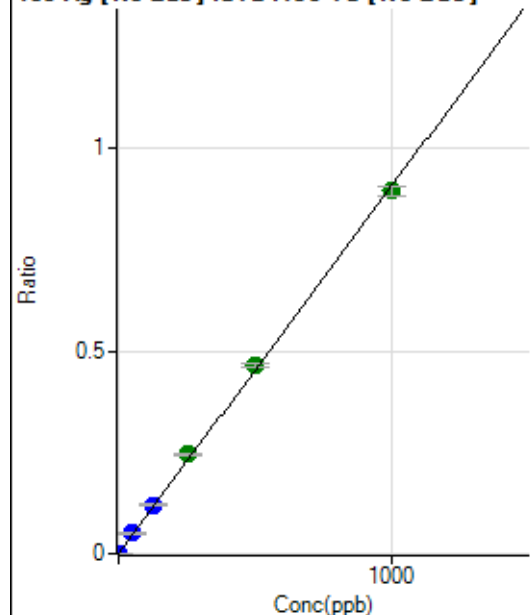
$$DL = 0.2004$$

$$BEC = 0.06973$$

Weight: <None>

Min Conc: 0

109 Ag [No Gas] ISTD : 159 Tb [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	34.44	0.0000	P	58.6
2	☐	1.000	1.137	11858.26	0.0010	P	1.2
3	☐	50.000	55.047	573718.22	0.0499	P	1.3
4	☐	125.000	133.321	1389765.71	0.1209	P	1.3
5	☐	250.000	271.013	2811830.51	0.2457	A	1.9
6	☐	500.000	512.160	5421034.02	0.4643	A	1.5
7	☐	1000.000	987.374	10486562.07	0.8950	A	2.6
8	☐			866.70	0.0001	P	16.6

$$y = 9.0647\text{E-}004 * x + 3.0262\text{E-}006$$

$$R = 0.9996$$

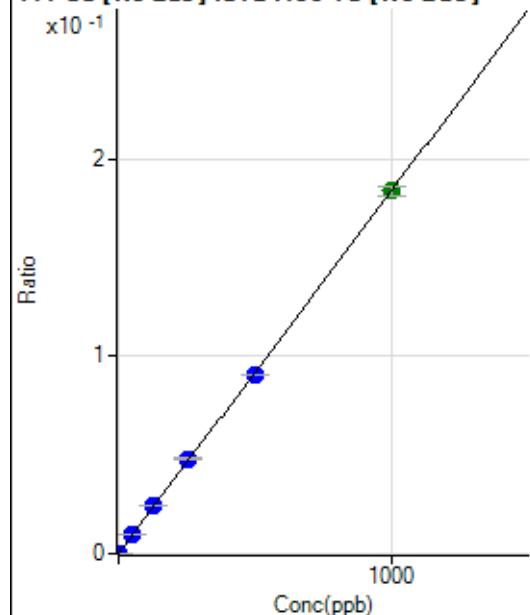
$$DL = 0.005868$$

$$BEC = 0.003338$$

Weight: <None>

Min Conc: 0

111 Cd [No Gas] ISTD : 159 Tb [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	939.50	0.0001	P	3.1
2	☐	1.000	1.181	3436.55	0.0003	P	4.7
3	☐	50.000	54.539	116121.64	0.0101	P	1.2
4	☐	125.000	132.157	280077.19	0.0244	P	1.8
5	☐	250.000	260.867	549333.54	0.0480	P	2.0
6	☐	500.000	492.802	1057933.37	0.0906	P	0.7
7	☐	1000.000	999.760	2152526.11	0.1837	A	2.6
8	☐			1058.91	0.0001	P	5.5

$$y = 1.8368\text{E-}004 * x + 8.2534\text{E-}005$$

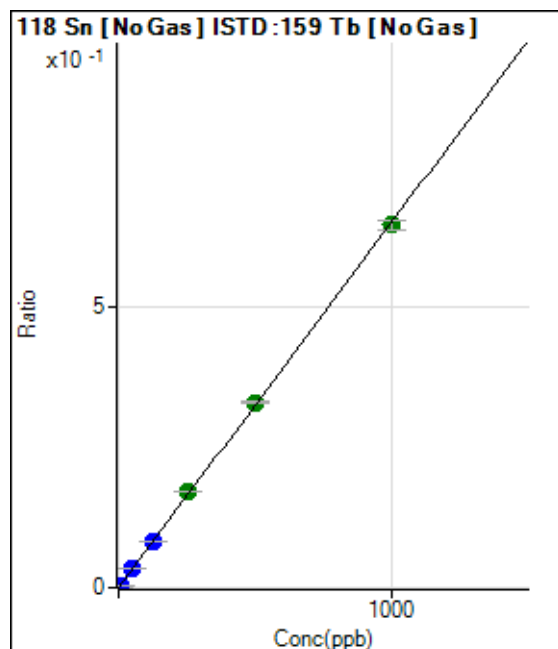
$$R = 0.9999$$

$$DL = 0.04164$$

$$BEC = 0.4493$$

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	1092.27	0.0001	P	2.1
2	☐	5.000	5.590	42841.13	0.0037	P	1.1
3	☐	50.000	51.660	387594.18	0.0337	P	1.4
4	☐	125.000	126.911	950781.51	0.0827	P	1.4
5	☐	250.000	262.883	1959115.18	0.1712	A	0.6
6	☐	500.000	505.954	3845689.77	0.3293	A	1.0
7	☐	1000.000	993.477	7575331.42	0.6466	A	2.9
8	☐			2195.74	0.0002	P	3.4

$$y = 6.5073E-004 * x + 9.5942E-005$$

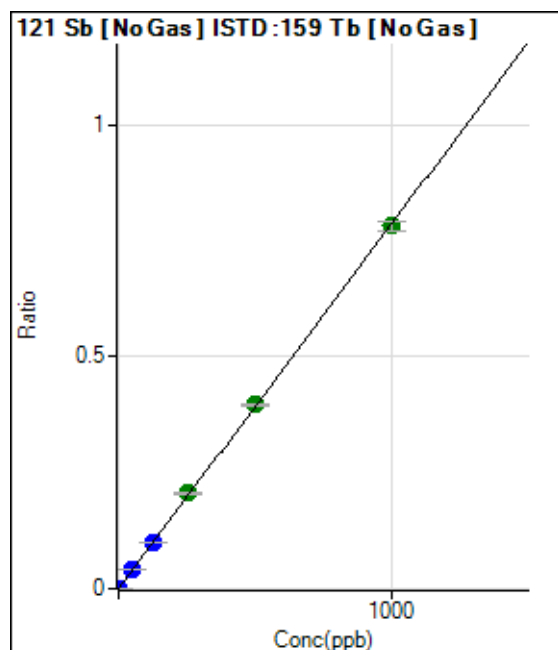
R = 0.9999

DL = 0.00932

BEC = 0.1474

Weight: <None>

Min Conc: 0



	R _j ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	33.33	0.0000	P	40.3
2	☐	2.000	2.200	19849.34	0.0017	P	2.3
3	☐	50.000	50.953	459946.25	0.0400	P	2.1
4	☐	125.000	125.339	1131651.31	0.0984	P	1.7
5	☐	250.000	261.113	2346555.83	0.2050	A	0.7
6	☐	500.000	504.203	4622662.08	0.3959	A	0.8
7	☐	1000.000	995.030	9153260.63	0.7812	A	2.7
8	☐			2642.49	0.0002	P	3.6

$$y = 7.8514E-004 * x + 2.9291E-006$$

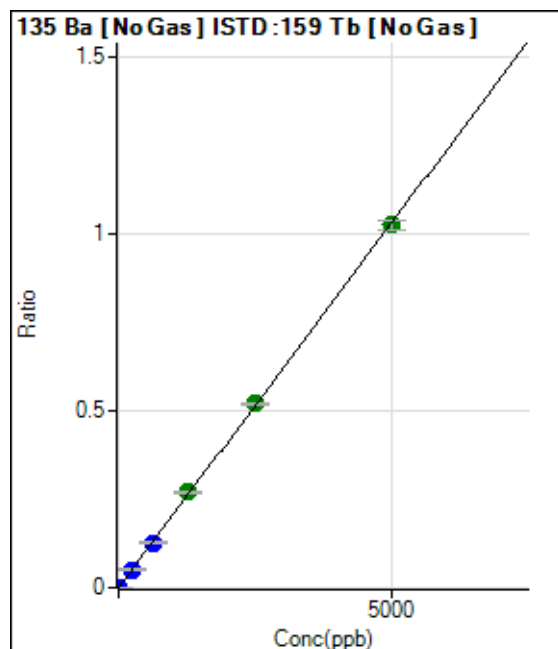
R = 0.9999

DL = 0.004506

BEC = 0.003731

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	37.78	0.0000	P	19.6
2	☐	10.000	10.787	25502.88	0.0022	P	1.7
3	☐	250.000	250.245	591945.78	0.0515	P	1.4
4	☐	625.000	618.700	1463755.83	0.1273	P	1.6
5	☐	1250.000	1307.649	3079382.49	0.2690	A	0.6
6	☐	2500.000	2522.566	6060117.55	0.5190	A	1.1
7	☐	5000.000	4975.079	11992875.38	1.0236	A	2.4
8	☐			4117.30	0.0004	P	0.3

$$y = 2.0574E-004 * x + 3.3155E-006$$

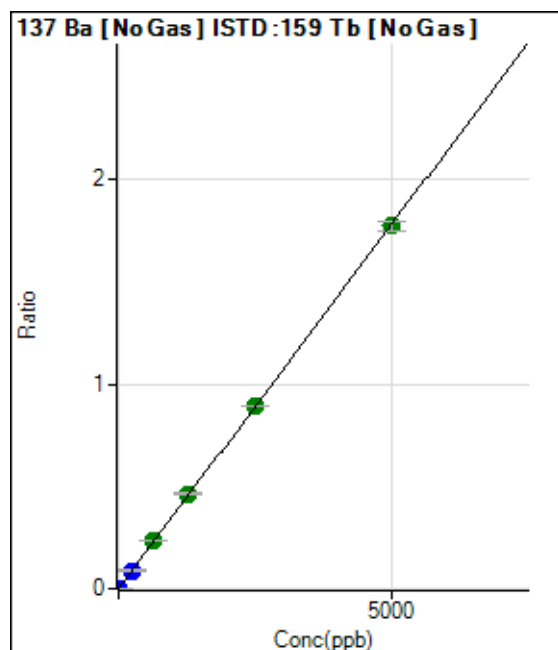
R = 0.9999

DL = 0.009493

BEC = 0.01612

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	56.67	0.0000	P	21.2
2	☐	10.000	10.837	44363.37	0.0039	P	0.6
3	☐	250.000	250.152	1024788.90	0.0891	P	1.6
4	☐	625.000	654.558	2682225.45	0.2332	A	0.7
5	☐	1250.000	1299.478	5299294.09	0.4630	A	1.7
6	☐	2500.000	2505.507	10424797.28	0.8928	A	0.6
7	☐	5000.000	4981.173	20794614.42	1.7749	A	2.8
8	☐			7230.79	0.0007	P	2.6

$$y = 3.5631E-004 * x + 4.9776E-006$$

R = 0.9999

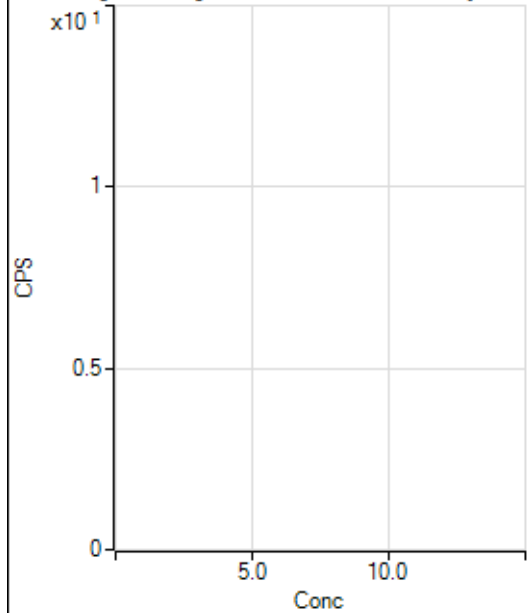
DL = 0.008899

BEC = 0.01397

Weight: <None>

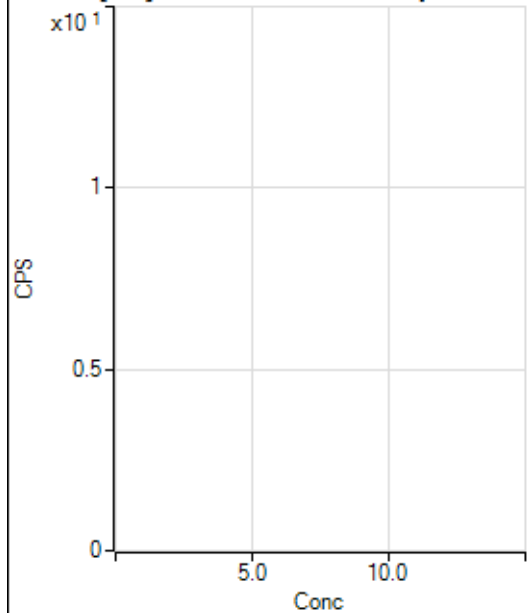
Min Conc: 0

150 Nd [No Gas] No available calibration points



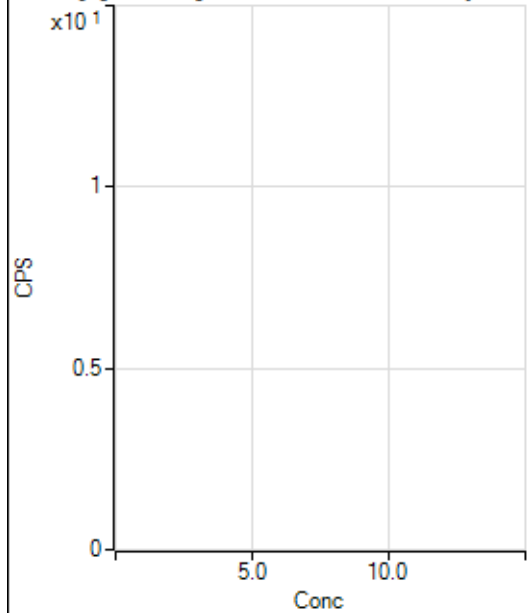
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	43.4
2	☐			12.22		P	78.7
3	☐			38.89		P	19.8
4	☐			100.00		P	18.6
5	☐			170.00		P	23.8
6	☐			324.45		P	19.1
7	☐			716.69		P	2.6
8	☐			211.11		P	12.9

150 Nd [He] No available calibration points



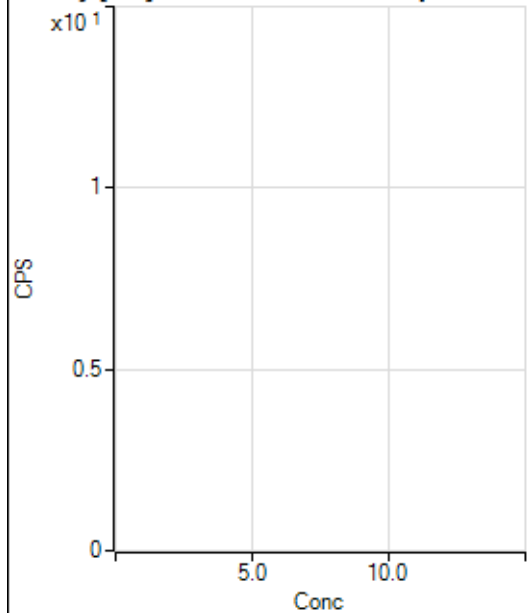
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			1.11		P	173.
2	☐			1.11		P	173.
3	☐			20.00		P	44.1
4	☐			27.78		P	27.7
5	☐			45.56		P	18.4
6	☐			80.00		P	12.5
7	☐			197.78		P	18.6
8	☐			130.00		P	11.2

156 Dy [No Gas] No available calibration points



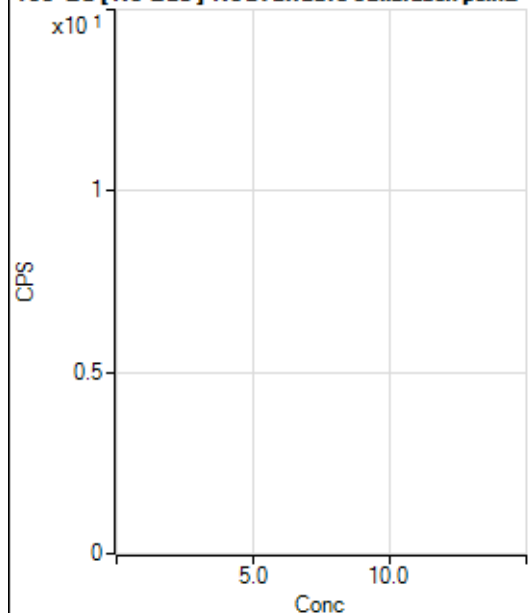
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			5.56		P	34.7
2	☐			12.22		P	31.5
3	☐			22.22		P	22.9
4	☐			31.11		P	44.6
5	☐			67.78		P	10.2
6	☐			118.89		P	8.1
7	☐			232.23		P	9.8
8	☐			333.34		P	20.7

156 Dy [He] No available calibration points



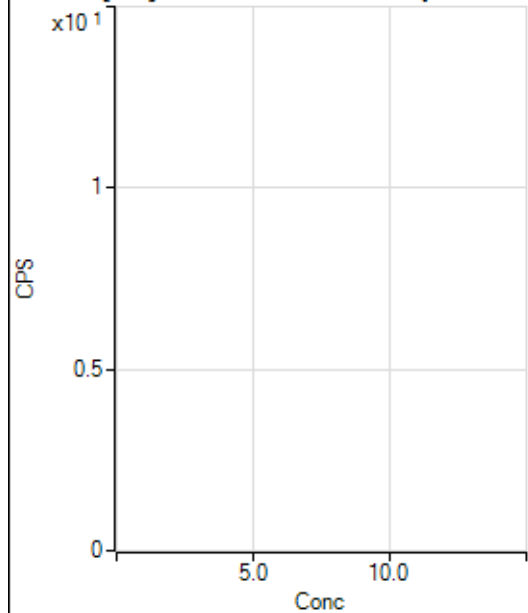
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			4.44		P	43.4
2	☐			2.22		P	173.
3	☐			33.34		P	17.3
4	☐			83.33		P	20.0
5	☐			145.56		P	13.0
6	☐			314.45		P	7.1
7	☐			644.47		P	4.6
8	☐			286.67		P	4.2

160 Gd [No Gas] Noavailable calibration poin...

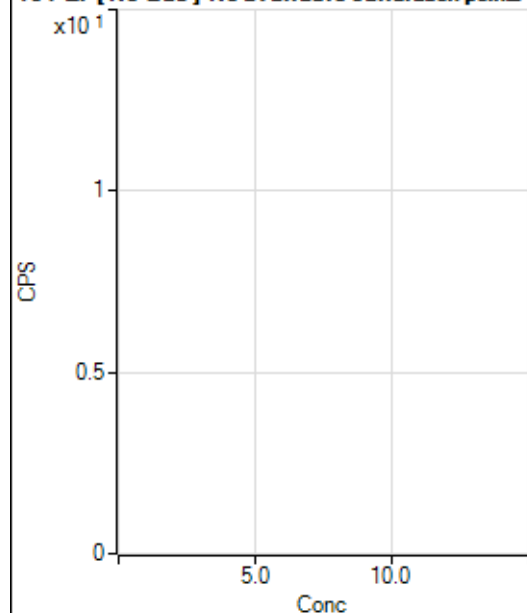


	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			43.34		P	35.2
2	☐			45.56		P	33.8
3	☐			37.78		P	18.4
4	☐			43.33		P	46.8
5	☐			66.67		P	35.0
6	☐			96.67		P	12.4
7	☐			161.11		P	3.2
8	☐			338.90		P	2.3

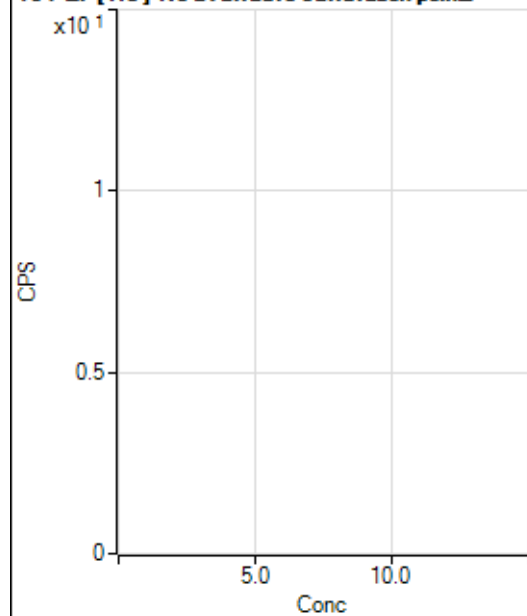
160 Gd [He] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			403.34		P	3.6
2	☐			421.12		P	9.2
3	☐			377.79		P	11.0
4	☐			406.68		P	11.1
5	☐			435.57		P	10.9
6	☐			404.45		P	10.2
7	☐			460.01		P	2.6
8	☐			633.35		P	6.9

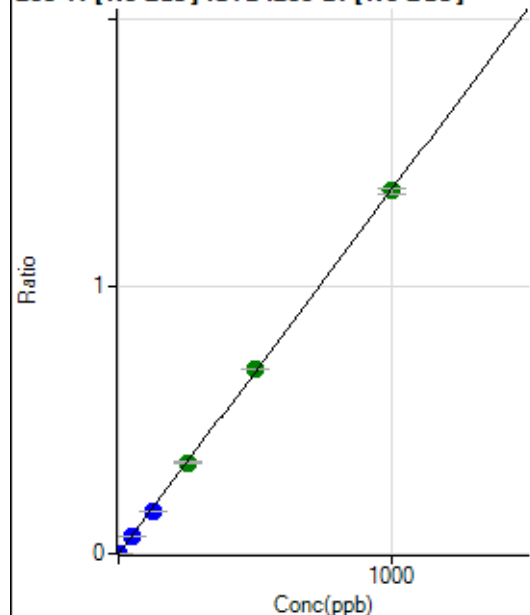
164 Er [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			50.00		P	30.6
2	☐			50.00		P	30.5
3	☐			56.67		P	17.6
4	☐			66.67		P	15.0
5	☐			74.44		P	33.9
6	☐			92.22		P	15.0
7	☐			193.34		P	13.7
8	☐			433.35		P	8.9

164 Er [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			36.67		P	36.4
2	☐			32.22		P	23.9
3	☐			40.00		P	22.0
4	☐			43.33		P	38.5
5	☐			60.00		P	5.5
6	☐			81.11		P	12.6
7	☐			150.00		P	17.4
8	☐			323.34		P	6.2

203 Tl [No Gas] ISTD :209 Bi [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	125.56	0.0000	P	31.5
2	☐	1.000	0.963	9425.55	0.0013	P	2.4
3	☐	50.000	45.503	439645.79	0.0619	P	1.5
4	☐	125.000	114.675	1106066.62	0.1560	P	1.1
5	☐	250.000	250.986	2457967.06	0.3414	A	0.7
6	☐	500.000	507.563	4957810.52	0.6905	A	0.2
7	☐	1000.000	997.487	9797283.74	1.3570	A	1.5
8	☐			566.68	0.0001	P	4.6

$$y = 0.0014 * x + 1.7609E-005$$

$$R = 0.9999$$

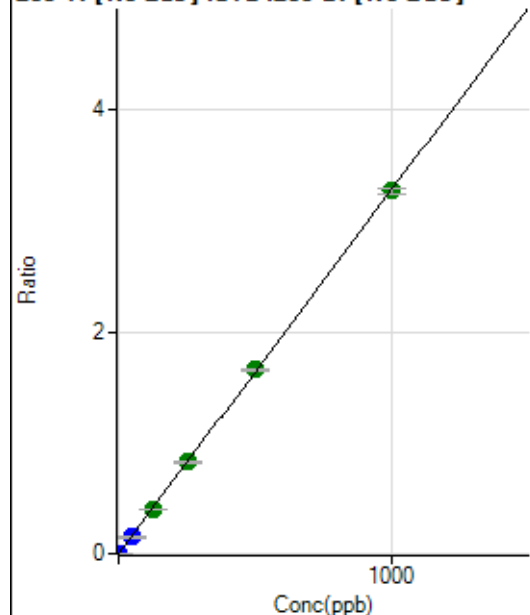
$$DL = 0.01222$$

$$BEC = 0.01294$$

Weight: <None>

Min Conc: 0

205 Tl [No Gas] ISTD :209 Bi [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	320.01	0.0000	P	19.4
2	☐	1.000	0.971	22928.27	0.0032	P	1.0
3	☐	50.000	44.982	1047833.18	0.1476	P	1.3
4	☐	125.000	123.757	2877819.96	0.4059	A	0.7
5	☐	250.000	251.247	5931822.48	0.8241	A	1.6
6	☐	500.000	505.585	11906162.88	1.6582	A	0.7
7	☐	1000.000	997.302	23616263.54	3.2709	A	1.2
8	☐			1338.97	0.0002	P	7.6

$$y = 0.0033 * x + 4.4916E-005$$

$$R = 1.0000$$

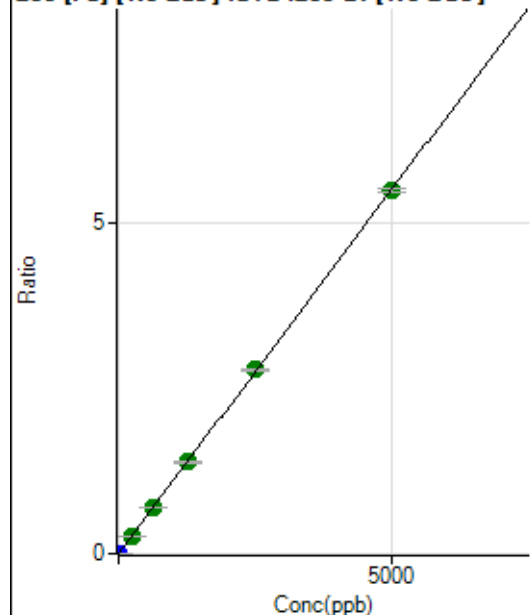
$$DL = 0.007959$$

$$BEC = 0.0137$$

Weight: <None>

Min Conc: 0

206 [Pb] [No Gas] ISTD :209 Bi [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	555.57	0.0001	P	9.4
2	☐	1.000	0.965	8091.36	0.0011	P	3.3
3	☐	250.000	243.540	1902846.10	0.2680	A	1.2
4	☐	625.000	628.347	4900782.11	0.6913	A	1.6
5	☐	1250.000	1259.106	9971015.89	1.3851	A	0.8
6	☐	2500.000	2524.604	19940980.26	2.7772	A	1.0
7	☐	5000.000	4985.326	39596873.86	5.4841	A	1.1
8	☐			3511.60	0.0006	P	4.3

$$y = 0.0011 * x + 7.7922E-005$$

$$R = 1.0000$$

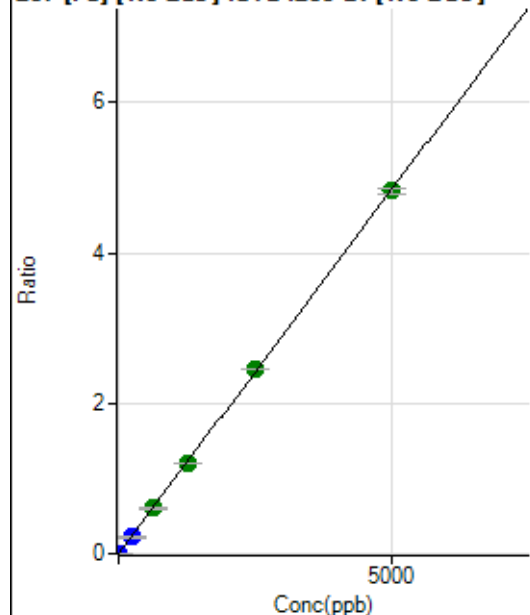
$$DL = 0.01995$$

$$BEC = 0.07084$$

Weight: <None>

Min Conc: 0

207 [Pb] [No Gas] ISTD :209 Bi [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	430.01	0.0001	P	11.0
2	☐	1.000	0.965	7064.13	0.0010	P	2.8
3	☐	250.000	225.184	1548206.38	0.2180	P	1.2
4	☐	625.000	623.127	4276675.74	0.6032	A	1.6
5	☐	1250.000	1252.401	8727628.83	1.2124	A	0.3
6	☐	2500.000	2529.886	17584221.82	2.4490	A	0.1
7	☐	5000.000	4985.932	34846473.37	4.8265	A	1.6
8	☐			3121.51	0.0005	P	6.8

$$y = 9.6800E-004 * x + 6.0362E-005$$

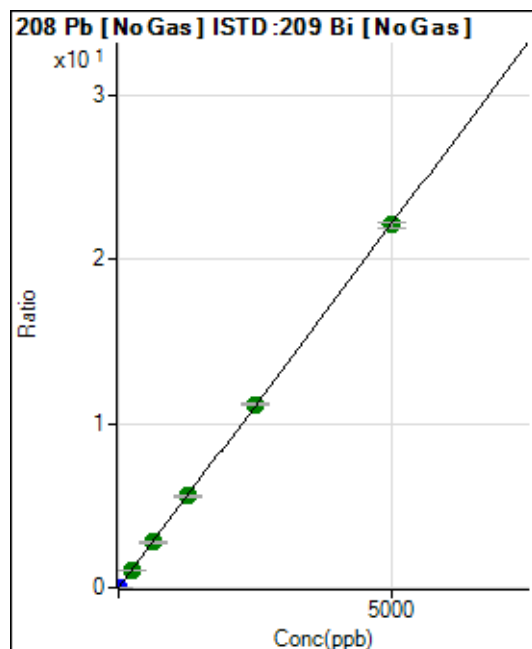
$$R = 1.0000$$

$$DL = 0.02066$$

$$BEC = 0.06236$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	2095.64	0.0003	P	5.3
2	☐	1.000	0.961	32295.26	0.0045	P	2.3
3	☐	250.000	240.778	7572779.37	1.0665	A	0.5
4	☐	625.000	623.643	19579608.74	2.7618	A	1.0
5	☐	1250.000	1258.211	40108058.85	5.5717	A	0.8
6	☐	2500.000	2522.952	80216739.22	11.1720	A	0.3
7	☐	5000.000	4987.102	159436835.9	22.0833	A	1.8
8	☐			14164.16	0.0023	P	3.8

$$y = 0.0044 * x + 2.9399E-004$$

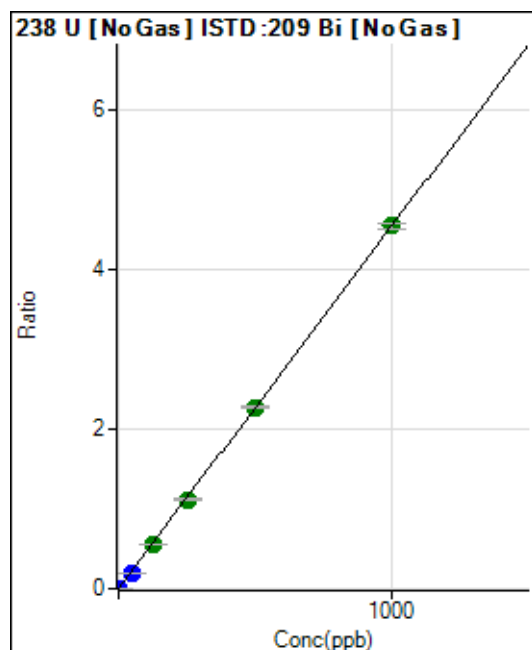
$$R = 1.0000$$

$$DL = 0.01061$$

$$BEC = 0.06639$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	26.67	0.0000	P	32.3
2	☐	1.000	0.888	28623.03	0.0040	P	2.2
3	☐	50.000	43.026	1384856.78	0.1950	P	1.0
4	☐	125.000	121.717	3911438.76	0.5517	A	0.4
5	☐	250.000	246.238	8034573.63	1.1161	A	1.0
6	☐	500.000	500.746	16297475.45	2.2698	A	0.8
7	☐	1000.000	1001.327	32769990.07	4.5388	A	1.6
8	☐			836.70	0.0001	P	17.4

$$y = 0.0045 * x + 3.7361E-006$$

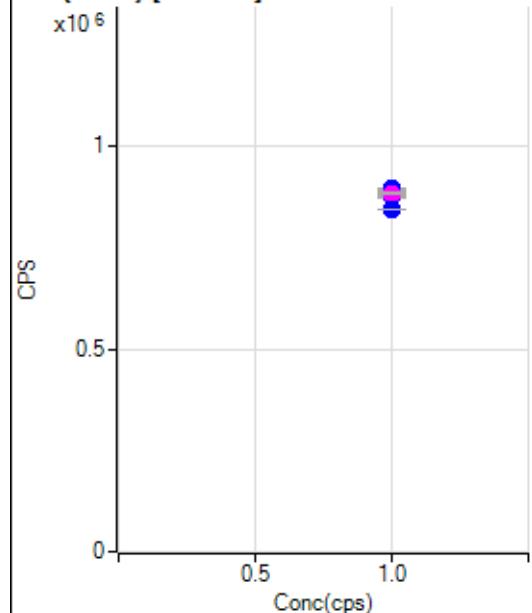
$$R = 1.0000$$

$$DL = 0.0007998$$

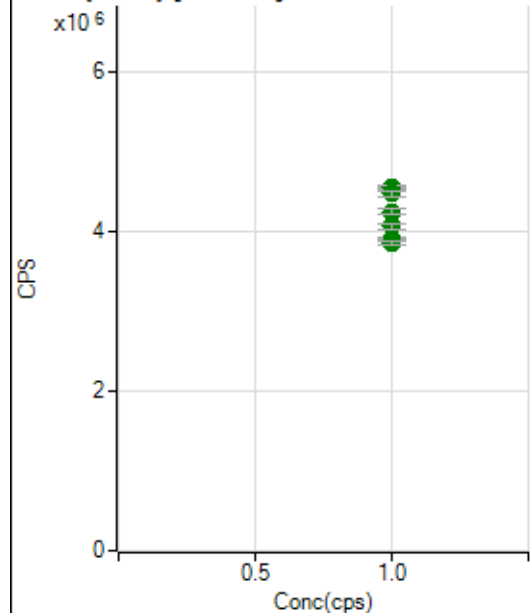
$$BEC = 0.0008242$$

Weight: <None>

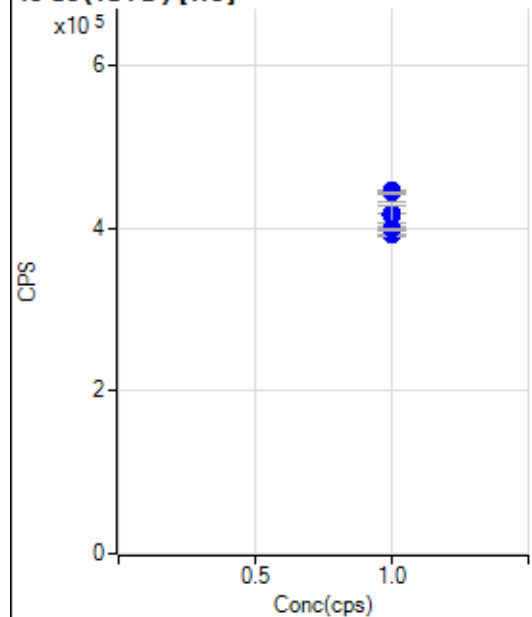
Min Conc: 0

6 Li (ISTD) [No Gas]

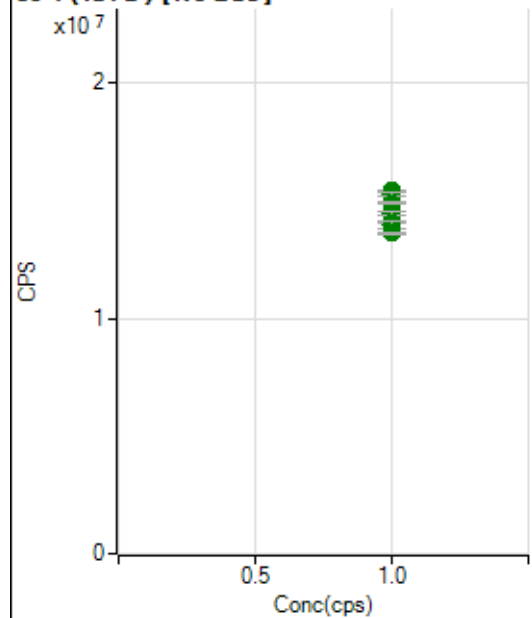
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		877252.13		P	0.7
2	☐	1.000		880238.97		P	0.4
3	☐	1.000		884335.39		M	0.5
4	☐	1.000		891403.23		P	0.4
5	☐	1.000		894737.81		P	0.3
6	☐	1.000		892087.93		P	0.3
7	☐	1.000		883446.37		M	0.7
8	☐	1.000		844107.28		P	0.5

45 Sc (ISTD) [No Gas]

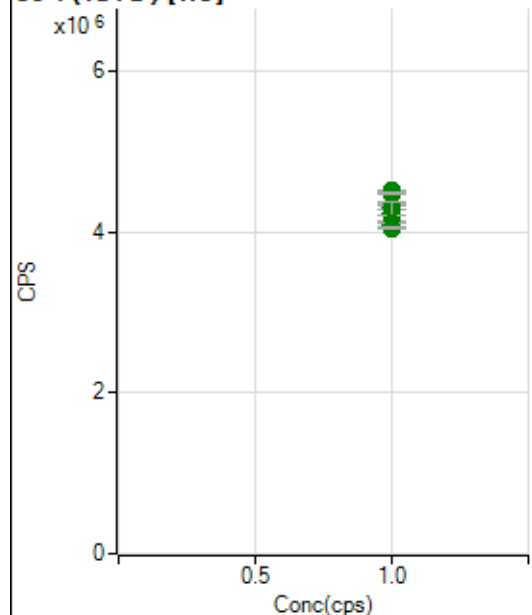
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	1.000		4541554.27		A	0.5
2	☐	1.000		4549210.59		A	1.0
3	☐	1.000		4482050.84		A	1.7
4	☐	1.000		4248661.71		A	1.6
5	☐	1.000		4069165.78		A	1.5
6	☐	1.000		3908056.09		A	0.8
7	☐	1.000		3871007.75		A	1.8
8	☐	1.000		3853803.24		A	1.6

45 Sc (ISTD) [He]

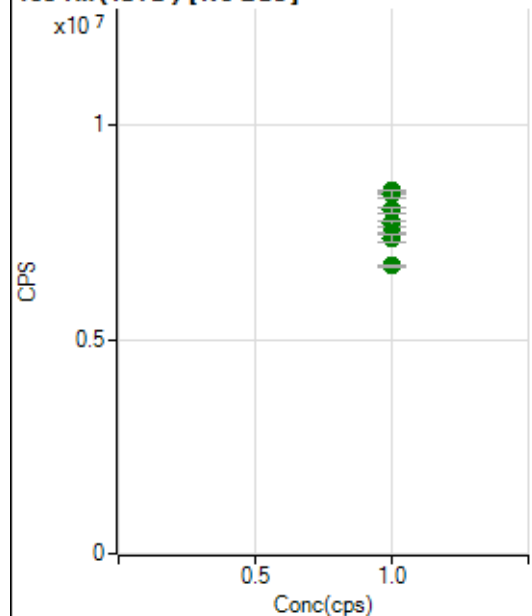
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		446017.85		P	0.8
2	☐	1.000		444286.53		P	0.6
3	☐	1.000		417054.70		P	7.2
4	☐	1.000		418401.19		P	0.2
5	☐	1.000		417579.65		P	4.8
6	☐	1.000		392788.04		P	0.3
7	☐	1.000		391348.96		P	0.6
8	☐	1.000		398389.83		P	0.2

89 Y (ISTD) [No Gas]

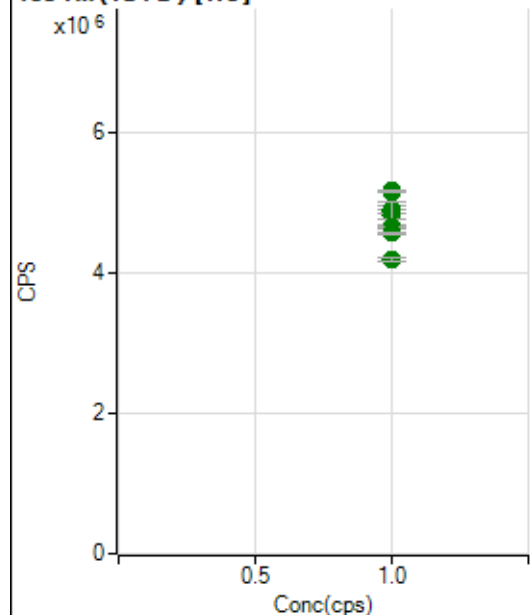
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		15387625.88		A	0.3
2	☐	1.000		15429103.66		A	0.4
3	☐	1.000		15303757.69		A	1.3
4	☐	1.000		14918688.25		A	0.7
5	☐	1.000		14503677.42		A	1.0
6	☐	1.000		14081509.93		A	0.2
7	☐	1.000		14006259.79		A	2.3
8	☐	1.000		13620782.58		A	0.8

89 Y (ISTD) [He]

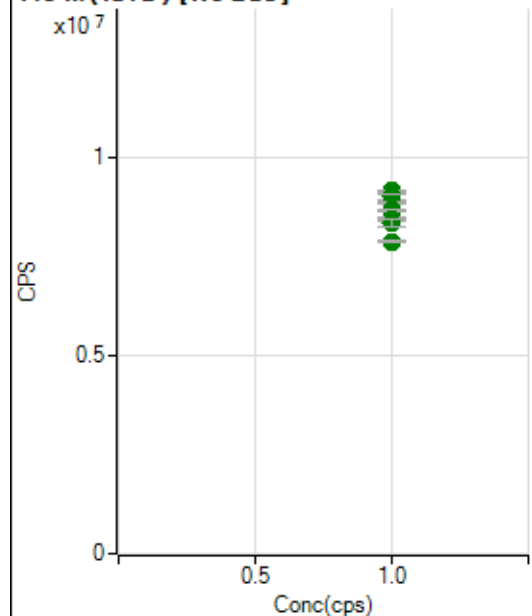
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4510002.64		A	0.7
2	☐	1.000		4480115.59		A	0.8
3	☐	1.000		4227939.94		A	5.4
4	☐	1.000		4305743.96		A	0.9
5	☐	1.000		4295560.70		A	3.8
6	☐	1.000		4114195.46		A	0.5
7	☐	1.000		4090905.32		A	0.9
8	☐	1.000		4051612.09		A	1.1

103 Rh (ISTD) [No Gas]

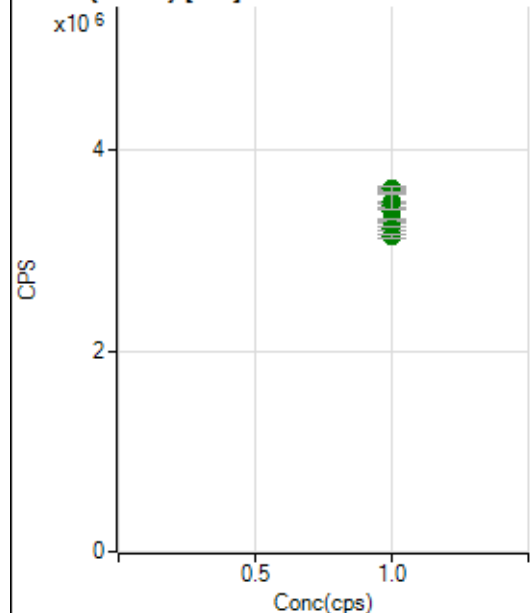
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8413067.16		A	0.4
2	☐	1.000		8466538.49		A	0.2
3	☐	1.000		8382614.95		A	1.9
4	☐	1.000		8015415.58		A	1.4
5	☐	1.000		7697090.79		A	1.6
6	☐	1.000		7472374.47		A	1.1
7	☐	1.000		7352039.20		A	2.5
8	☐	1.000		6709810.32		A	1.0

103 Rh (ISTD) [He]

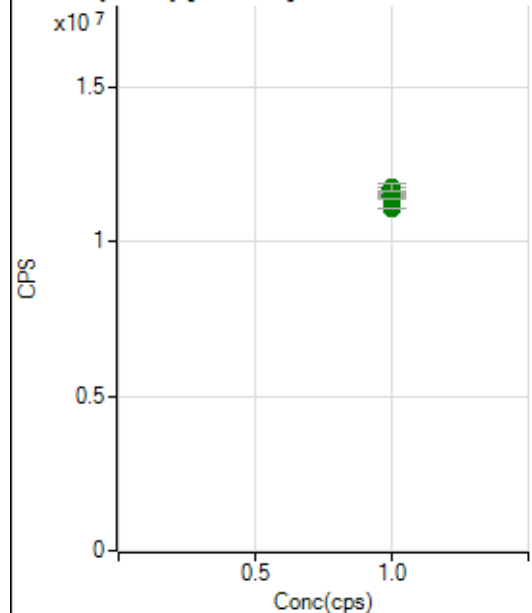
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5175248.60		A	0.8
2	☐	1.000		5164856.10		A	0.7
3	☐	1.000		4825097.19		A	5.5
4	☐	1.000		4882106.73		A	0.9
5	☐	1.000		4898751.04		A	5.2
6	☐	1.000		4653349.17		A	0.7
7	☐	1.000		4574835.31		A	0.4
8	☐	1.000		4200816.85		A	1.0

115 In (ISTD) [No Gas]

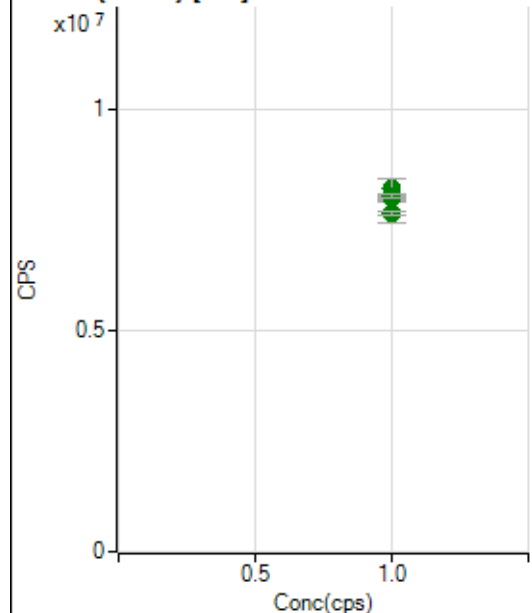
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		9123721.66		A	0.6
2	☐	1.000		9153978.86		A	0.8
3	☐	1.000		9007518.99		A	1.3
4	☐	1.000		8849145.75		A	1.0
5	☐	1.000		8663568.67		A	0.6
6	☐	1.000		8445140.08		A	0.7
7	☐	1.000		8337642.20		A	2.2
8	☐	1.000		7877565.78		A	0.5

115 In (ISTD) [He]

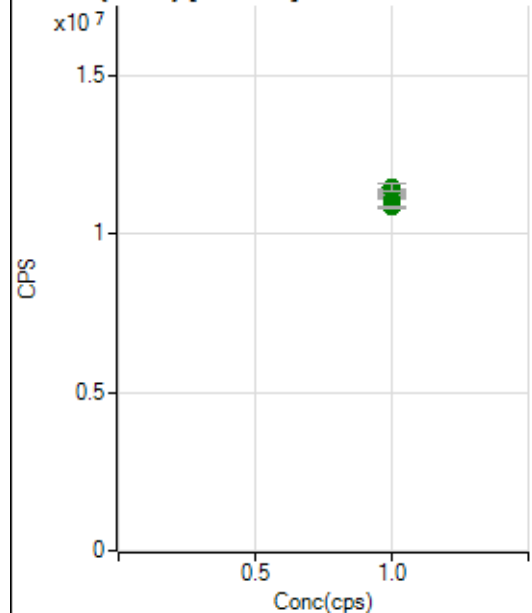
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		3609434.91		A	0.3
2	☐	1.000		3612239.20		A	1.4
3	☐	1.000		3381949.02		A	6.5
4	☐	1.000		3446850.42		A	1.1
5	☐	1.000		3480772.23		A	4.6
6	☐	1.000		3300584.20		A	0.2
7	☐	1.000		3216215.11		A	0.8
8	☐	1.000		3143165.30		A	1.4

159 Tb (ISTD) [No Gas]

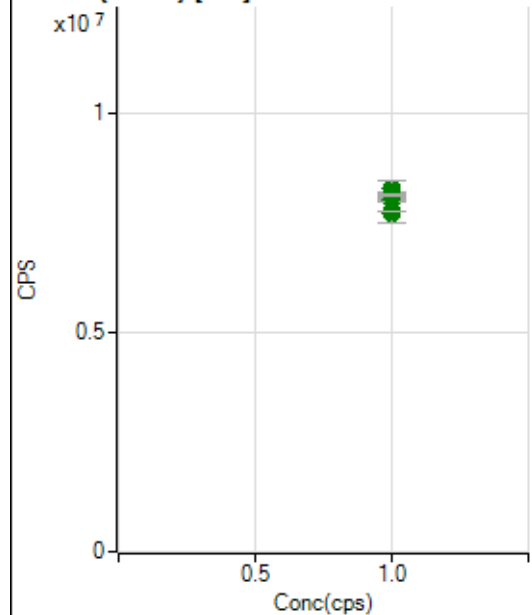
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11383731.50		A	0.7
2	☐	1.000		11474768.44		A	0.5
3	☐	1.000		11498383.72		A	1.4
4	☐	1.000		11500724.55		A	1.3
5	☐	1.000		11446590.38		A	1.4
6	☐	1.000		11677485.10		A	0.8
7	☐	1.000		11720941.08		A	2.2
8	☐	1.000		11062607.06		A	0.3

159 Tb (ISTD) [He]

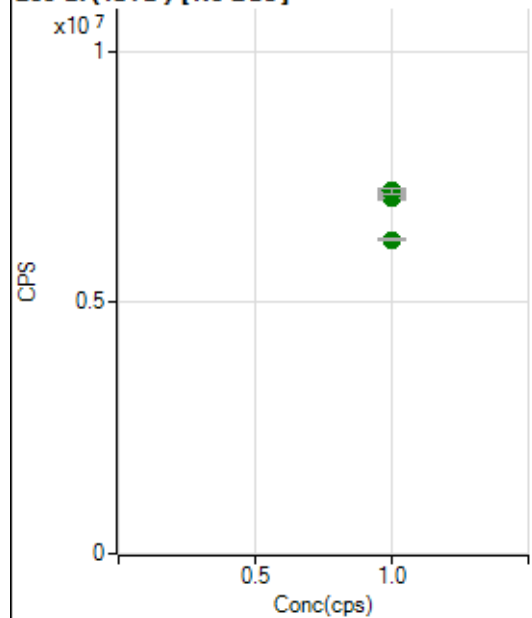
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8051903.01		A	0.7
2	☐	1.000		8024563.63		A	1.2
3	☐	1.000		7672182.04		A	6.0
4	☐	1.000		8023725.02		A	0.4
5	☐	1.000		8207808.35		A	5.7
6	☐	1.000		8062793.63		A	0.6
7	☐	1.000		8043534.67		A	1.5
8	☐	1.000		7659776.62		A	1.1

165 Ho (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11221726.78		A	0.5
2	☐	1.000		11183048.30		A	0.3
3	☐	1.000		11167835.94		A	0.7
4	☐	1.000		11190076.08		A	0.3
5	☐	1.000		11270642.75		A	0.4
6	☐	1.000		11416576.50		A	0.6
7	☐	1.000		11466947.19		A	2.0
8	☐	1.000		10850957.89		A	0.5

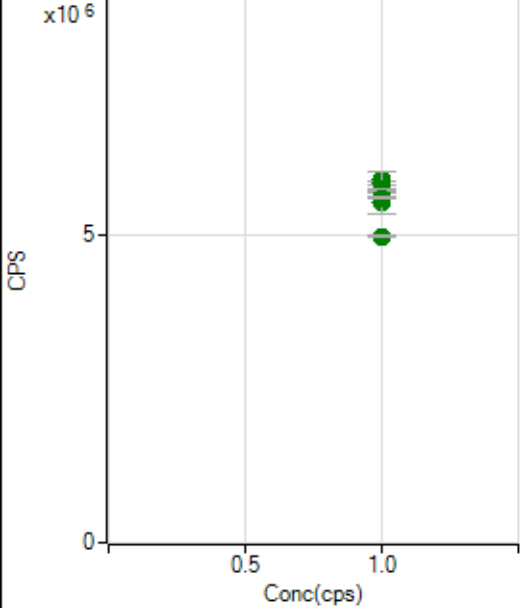
165 Ho (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		8065015.02		A	1.0
2	☐	1.000		8040703.35		A	1.1
3	☐	1.000		7738631.13		A	6.1
4	☐	1.000		8029653.21		A	0.7
5	☐	1.000		8278959.18		A	4.9
6	☐	1.000		8184349.39		A	0.5
7	☐	1.000		8135929.46		A	0.4
8	☐	1.000		7768979.33		A	0.4

209 Bi (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		7127041.42		A	0.7
2	☐	1.000		7102081.00		A	1.3
3	☐	1.000		7100998.78		A	0.7
4	☐	1.000		7089566.00		A	0.3
5	☐	1.000		7198787.46		A	0.6
6	☐	1.000		7180181.49		A	0.1
7	☐	1.000		7220993.78		A	1.4
8	☐	1.000		6255136.64		A	0.7

209 Bi (ISTD) [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5844349.43		A	1.0
2	☐	1.000		5722307.83		A	1.1
3	☐	1.000		5530546.17		A	6.1
4	☐	1.000		5727476.10		A	0.5
5	☐	1.000		5907035.26		A	5.1
6	☐	1.000		5753900.54		A	0.7
7	☐	1.000		5617776.10		A	0.3
8	☐	1.000		4992611.42		A	0.6

US EPA Tune Check Report

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\IP7020425MS-4.b
Acq. Date-Time 2025-02-04 16:48:17
Report Comment ---
Instrument Name G8403A JP14410463

[No Gas]
Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		5678	56782.39			1.089	5.000
24		80174	801744.48			1.395	5.000
25		10306	103063.46			1.103	5.000
26		11771	117709.61			0.916	5.000
59		80922	809224.34			0.724	5.000
113		12012	120115.48			0.967	5.000
115		156996	1569961.10			0.789	5.000
206		33405	334051.29			0.895	5.000
207		28852	288515.17			0.837	5.000
208		68312	683116.77			0.644	5.000
220		0	3.00			52.705	

Mass	RSD% (Flag)
9	
24	
25	
26	
59	
113	
115	
206	
207	
208	
220	

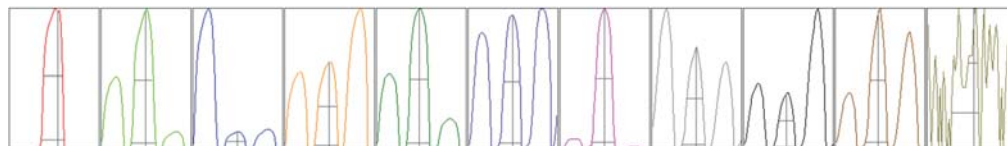
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	5724	5573	5679	5695	5720
24	81187	78368	80882	79892	80544
25	10400	10117	10340	10382	10293
26	11880	11594	11829	11780	11772
59	81733	80226	81243	80830	80580
113	12166	11846	12056	11986	12005
115	158459	155916	158064	156835	155706
206	33765	32969	33503	33511	33278
207	29202	28522	28874	28833	28826
208	68526	67543	68528	68354	68608

US EPA Tune Check Report

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
220	0	0	1	0	0

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	9267.91	9.15	8.90 - 9.10	Fail
24	134697.14	24.00	23.90 - 24.10	
25	17239.26	25.00	24.90 - 25.10	
26	19565.37	26.00	25.90 - 26.10	
59	137090.93	58.95	58.90 - 59.10	
113	22747.15	113.00	112.90 - 113.10	
115	296445.13	115.00	114.90 - 115.10	
206	66972.95	206.00	205.90 - 206.10	
207	56590.25	206.95	206.90 - 207.10	
208	137545.26	207.95	207.90 - 208.10	
220	0.45	220.10	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.62	0.769	0.900	
24	0.64	0.823	0.900	
25	0.63	0.756	0.900	
26	0.63	0.789	0.900	
59	0.61	0.776	0.900	
113	0.54	0.737	0.900	
115	0.54	0.766	0.900	
206	0.52	0.766	0.900	
207	0.51	0.732	0.900	
208	0.51	0.738	0.900	
220	0.33	0.901		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.82 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.1 V	Deflect	15.4 V
Extract 2	-150.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-65 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	---	OctP RF	170 V		

QP Parameters

Mass Gain	139	Axis Gain	0.9973	QP Bias	-3.0 V
Mass Offset	129	Axis Offset	0.16		

Hardware Settings

Torch

Torch H	0.1 mm	Torch V	0.2 mm
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EM

Discriminator	4.8 mV	Analog HV	2267 V	Pulse HV	1066 V
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[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		29355	293547.46			0.717	
89		73279	732788.59			1.438	
205		32619	326189.84			1.179	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	29687	29396	29340	29199	29153
89	74436	74391	72835	72413	72320
205	33252	32707	32430	32303	32402

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.82 L/min	Dilution Gas	0.40 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.8 V	Deflect	3.4 V
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US EPA Tune Check Report

Extract 2	-125.0 V	Cell Entrance	-40 V	Plate Bias	-60 V
Omega Bias	-60 V	Cell Exit	-60 V		
Cell Parameters					
Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.9 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	200 V		
QP Parameters					
Mass Gain	139	Axis Gain	0.9973	QP Bias	-13.0 V
Mass Offset	129	Axis Offset	0.16		
Hardware Settings					
Torch					
Torch H	0.1 mm	Torch V	0.2 mm		
EM					
Discriminator	4.8 mV	Analog HV	2267 V	Pulse HV	1066 V

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P7
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:25:15 DataFile Name : 004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.07	-0.05	-0.02	0.00	N/A	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	N/A	ppb
Arsenic	75-2	0.02	0.00	-0.02	0.00	N/A	ppb
Barium	135-1	0.00	0.00	0.00	0.00	N/A	ppb
Barium	137-1	0.00	0.00	0.00	0.00	N/A	ppb
Beryllium	9-1	-0.01	0.03	-0.02	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.08	-0.03	-0.05	0.00	N/A	ppb
Cadmium	106-1	-0.24	0.78	-0.54	0.00	N/A	ppb
Cadmium	111-1	-0.01	0.02	-0.01	0.00	N/A	ppb
Calcium	43-1	-0.35	-0.48	0.83	0.00	N/A	ppb
Calcium	44-1	0.08	0.51	-0.59	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	0.01	0.00	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.02	0.00	-0.02	0.00	N/A	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	-0.04	0.11	-0.07	0.00	N/A	ppb
Iron	57-2	0.21	0.53	-0.73	0.00	N/A	ppb
Iron	54-2	-0.43	-0.07	0.50	0.00	N/A	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P7
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:25:15 DataFile Name : 004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.00	0.00	0.00	N/A	ppb
Lead	207-1	-0.01	0.00	0.01	0.00	N/A	ppb
Lead	208-1	0.00	0.00	0.00	0.00	N/A	ppb
Lithium	6-1				100		%
Magnesium	24-2	-0.12	0.11	0.01	0.00	N/A	ppb
Manganese	55-2	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	94-1	-0.01	0.01	0.00	0.00	N/A	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00	N/A	ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00	N/A	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	-0.03	0.06	0.00	N/A	ppb
Phosphorus	31-2	-17.16	-18.94	-16.90	-17.67		ppb
Potassium	39-2	-0.76	1.50	-0.74	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	0.14	0.29	-0.43	0.00	N/A	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.38	-0.31	0.69	0.00	N/A	ppb
Silicon	28-1	0.56	0.35	-0.91	0.00	N/A	ppb
Silver	107-1	0.00	0.00	0.00	0.00	N/A	ppb
Silver	109-1	0.00	0.00	0.00	0.00	N/A	ppb
Sodium	23-2	0.34	-0.20	-0.14	0.00	N/A	ppb
Strontium	86-1	-0.01	0.00	0.00	0.00	N/A	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	N/A	ppb
Sulfur	34-1	-62.76	0.40	-38.62	-33.66		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.00	0.00	0.00	0.00	N/A	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	N/A	ppb
Tin	118-1	0.00	0.00	0.00	0.00	N/A	ppb
Titanium	47-1	0.00	0.01	-0.01	0.00	N/A	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P7
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:25:15 DataFile Name : 004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	0.05	-0.02	-0.03	0.00	N/A	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	N/A	ppb
Zirconium	91-1	0.00	0.00	0.00	0.00	N/A	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S02 Instrumnet Name : P7
Client Sample ID : S02 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:28:33 DataFile Name : 005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20.91	19.85	20.09	20.28	2.74	ppb
Antimony	121-1	2.25	2.15	2.19	2.20	2.26	ppb
Arsenic	75-2	1.16	1.22	1.10	1.16	5.36	ppb
Barium	135-1	10.76	10.61	10.98	10.79	1.71	ppb
Barium	137-1	10.82	10.78	10.91	10.84	0.61	ppb
Beryllium	9-1	1.16	1.17	1.12	1.15	2.15	ppb
Bismuth	209-1				100		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	1.29	1.03	1.00	1.10	14.64	ppb
Cadmium	106-1	2.01	0.71	0.91	1.21	57.83	ppb
Cadmium	111-1	1.15	1.13	1.27	1.18	6.54	ppb
Calcium	43-1	545.70	548.60	550.00	548.10	0.40	ppb
Calcium	44-1	544.51	552.65	545.67	547.61	0.80	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.24	2.20	2.19	2.21	1.27	ppb
Cobalt	59-2	1.18	1.20	1.12	1.16	3.75	ppb
Copper	63-2	2.22	2.21	2.14	2.19	1.96	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	57.25	57.48	56.81	57.18	0.59	ppb
Iron	57-2	57.75	58.24	59.79	58.60	1.82	ppb
Iron	54-2	57.98	60.78	58.44	59.07	2.54	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S02 Instrumnet Name : P7
Client Sample ID : S02 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:28:33 DataFile Name : 005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.00	0.96	0.93	0.97	3.59	ppb
Lead	207-1	0.99	0.98	0.93	0.97	2.94	ppb
Lead	208-1	0.98	0.97	0.93	0.96	2.44	ppb
Lithium	6-1				100		%
Magnesium	24-2	522.52	522.80	510.16	518.49	1.39	ppb
Manganese	55-2	1.06	1.12	1.09	1.09	2.74	ppb
Molybdenum	94-1	6.19	6.25	6.28	6.24	0.76	ppb
Molybdenum	95-1	5.31	5.24	5.22	5.26	0.93	ppb
Molybdenum	96-1	5.38	5.30	5.24	5.31	1.28	ppb
Molybdenum	97-1	5.28	5.24	5.25	5.25	0.35	ppb
Molybdenum	98-1	5.20	5.29	5.33	5.27	1.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.17	1.10	1.24	1.17	6.08	ppb
Phosphorus	31-2	19.75	10.55	22.71	17.67	35.89	ppb
Potassium	39-2	551.66	551.47	542.16	548.43	0.99	ppb
Rhodium	103-1				101		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	5.86	6.10	5.35	5.77	6.58	ppb
Selenium	77-2	8.31	8.33	5.95	7.53	18.14	ppb
Selenium	78-2	5.61	5.15	4.04	4.93	16.39	ppb
Silicon	28-1	3.72	5.92	3.46	4.37	30.87	ppb
Silver	107-1	1.21	1.18	1.19	1.19	1.18	ppb
Silver	109-1	1.15	1.14	1.12	1.14	1.23	ppb
Sodium	23-2	524.80	520.20	516.04	520.35	0.84	ppb
Strontium	86-1	1.09	1.03	1.04	1.05	2.65	ppb
Strontium	88-1	1.07	1.05	1.05	1.06	0.84	ppb
Sulfur	34-1	-10.47	84.53	26.93	33.66	142.18	ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	0.96	0.99	0.94	0.96	2.45	ppb
Thallium	205-1	0.98	0.97	0.96	0.97	1.00	ppb
Tin	118-1	5.54	5.57	5.66	5.59	1.11	ppb
Titanium	47-1	5.61	5.62	5.54	5.59	0.79	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S02 Instrumnet Name : P7
Client Sample ID : S02 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:28:33 DataFile Name : 005CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.89	0.91	0.87	0.89	2.17	ppb
Vanadium	51-2	5.52	5.48	5.60	5.53	1.04	ppb
Yttrium	89-1				100		%
Yttrium	89-2				99		%
Zinc	66-2	5.28	5.50	5.51	5.43	2.34	ppb
Zirconium	90-1	1.04	1.02	1.05	1.04	1.12	ppb
Zirconium	91-1	1.04	1.02	1.02	1.02	1.31	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S03 Instrumnet Name : P7
Client Sample ID : S03 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:31:52 DataFile Name : 006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	965.94	1112.63	962.74	1013.77	8.45	ppb
Antimony	121-1	49.92	50.88	52.06	50.95	2.10	ppb
Arsenic	75-2	53.42	59.01	53.00	55.14	6.08	ppb
Barium	135-1	247.47	248.93	254.33	250.25	1.44	ppb
Barium	137-1	246.38	249.76	254.32	250.15	1.59	ppb
Beryllium	9-1	54.54	56.26	56.10	55.63	1.71	ppb
Bismuth	209-1				100		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	57.24	57.69	56.68	57.20	0.88	ppb
Cadmium	106-1	58.19	58.49	56.61	57.76	1.74	ppb
Cadmium	111-1	54.00	54.38	55.24	54.54	1.16	ppb
Calcium	43-1	5054.28	5101.14	5130.56	5095.33	0.76	ppb
Calcium	44-1	4764.33	4873.47	4956.42	4864.74	1.98	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50.70	57.83	50.35	52.96	7.97	ppb
Cobalt	59-2	51.00	57.95	50.39	53.11	7.91	ppb
Copper	63-2	532.39	588.95	517.11	546.15	6.93	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				96		%
Indium	115-1				99		%
Indium	115-2				94		%
Iron	56-2	2616.74	2946.95	2550.24	2704.64	7.86	ppb
Iron	57-2	2612.65	2988.97	2600.58	2734.07	8.08	ppb
Iron	54-2	2702.35	3083.33	2677.19	2820.96	8.07	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S03 Instrumnet Name : P7
Client Sample ID : S03 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:31:52 DataFile Name : 006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	241.43	242.36	246.83	243.54	1.19	ppb
Lead	207-1	222.28	225.62	227.65	225.18	1.20	ppb
Lead	208-1	239.33	241.33	241.68	240.78	0.53	ppb
Lithium	6-1				101		%
Magnesium	24-2	4933.69	5621.71	4904.64	5153.35	7.88	ppb
Manganese	55-2	499.91	574.00	496.23	523.38	8.38	ppb
Molybdenum	94-1	496.07	490.71	503.01	496.60	1.24	ppb
Molybdenum	95-1	496.21	512.93	504.06	504.40	1.66	ppb
Molybdenum	96-1	493.27	508.05	502.55	501.29	1.49	ppb
Molybdenum	97-1	488.57	498.27	492.64	493.16	0.99	ppb
Molybdenum	98-1	495.14	498.77	500.42	498.11	0.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	53.50	60.26	52.62	55.46	7.53	ppb
Phosphorus	31-2	1026.78	1169.69	1010.74	1069.07	8.19	ppb
Potassium	39-2	2604.72	2975.23	2575.60	2718.52	8.20	ppb
Rhodium	103-1				100		%
Rhodium	103-2				93		%
Scandium	45-1				99		%
Scandium	45-2				94		%
Selenium	82-1	53.52	52.22	53.53	53.09	1.42	ppb
Selenium	77-2	51.46	56.64	48.80	52.30	7.62	ppb
Selenium	78-2	53.78	59.24	53.88	55.64	5.61	ppb
Silicon	28-1	104.54	109.12	116.49	110.05	5.48	ppb
Silver	107-1	55.02	55.21	55.93	55.39	0.87	ppb
Silver	109-1	54.46	54.82	55.86	55.05	1.31	ppb
Sodium	23-2	4871.59	5568.60	4863.17	5101.12	7.94	ppb
Strontium	86-1	49.54	50.15	50.02	49.90	0.65	ppb
Strontium	88-1	48.39	49.30	49.51	49.06	1.22	ppb
Sulfur	34-1	792.70	923.68	917.26	877.88	8.41	ppb
Terbium	159-1				101		%
Terbium	159-2				95		%
Thallium	203-1	44.83	45.49	46.19	45.50	1.50	ppb
Thallium	205-1	44.31	45.20	45.44	44.98	1.31	ppb
Tin	118-1	51.15	51.34	52.49	51.66	1.40	ppb
Titanium	47-1	498.55	510.07	512.15	506.92	1.45	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S03 Instrumnet Name : P7
Client Sample ID : S03 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:31:52 DataFile Name : 006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	42.53	43.14	43.40	43.03	1.04	ppb
Vanadium	51-2	50.38	57.48	49.88	52.58	8.08	ppb
Yttrium	89-1				99		%
Yttrium	89-2				94		%
Zinc	66-2	498.85	568.89	496.55	521.43	7.89	ppb
Zirconium	90-1	48.67	49.06	49.55	49.10	0.90	ppb
Zirconium	91-1	48.73	49.34	49.90	49.32	1.18	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S04 Instrumnet Name : P7
Client Sample ID : S04 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:34:57 DataFile Name : 007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2417.27	2411.27	2413.36	2413.97	0.13	ppb
Antimony	121-1	123.34	127.49	125.19	125.34	1.66	ppb
Arsenic	75-2	126.72	129.43	128.59	128.25	1.08	ppb
Barium	135-1	608.48	628.09	619.53	618.70	1.59	ppb
Barium	137-1	649.14	656.40	658.14	654.56	0.73	ppb
Beryllium	9-1	136.64	135.69	135.83	136.05	0.38	ppb
Bismuth	209-1				99		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	135.63	138.83	136.00	136.82	1.28	ppb
Cadmium	106-1	133.38	138.45	137.22	136.35	1.94	ppb
Cadmium	111-1	130.12	134.78	131.57	132.16	1.80	ppb
Calcium	43-1	12634.42	12972.08	12818.10	12808.20	1.32	ppb
Calcium	44-1	11963.16	12234.66	12400.22	12199.35	1.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	126.92	125.94	126.12	126.33	0.41	ppb
Cobalt	59-2	126.68	127.22	125.64	126.51	0.64	ppb
Copper	63-2	1293.01	1298.15	1272.58	1287.91	1.05	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				97		%
Indium	115-2				95		%
Iron	56-2	6477.11	6390.90	6414.06	6427.36	0.69	ppb
Iron	57-2	6531.27	6536.60	6494.27	6520.72	0.35	ppb
Iron	54-2	6697.34	6699.67	6687.09	6694.70	0.10	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S04 Instrumnet Name : P7
Client Sample ID : S04 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:34:57 DataFile Name : 007CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	623.26	639.66	622.12	628.35	1.56	ppb
Lead	207-1	619.77	634.56	615.06	623.13	1.63	ppb
Lead	208-1	619.20	630.90	620.83	623.64	1.02	ppb
Lithium	6-1				102		%
Magnesium	24-2	12270.56	12280.17	12191.47	12247.40	0.40	ppb
Manganese	55-2	1251.28	1245.91	1241.32	1246.17	0.40	ppb
Molybdenum	94-1	1238.78	1238.88	1245.97	1241.21	0.33	ppb
Molybdenum	95-1	1256.58	1248.30	1257.84	1254.24	0.41	ppb
Molybdenum	96-1	1241.82	1249.84	1262.94	1251.53	0.85	ppb
Molybdenum	97-1	1258.88	1246.41	1242.51	1249.27	0.68	ppb
Molybdenum	98-1	1255.74	1245.61	1256.58	1252.64	0.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	131.50	131.25	130.74	131.16	0.30	ppb
Phosphorus	31-2	2602.92	2581.63	2562.98	2582.51	0.77	ppb
Potassium	39-2	6219.75	6240.90	6351.99	6270.88	1.13	ppb
Rhodium	103-1				95		%
Rhodium	103-2				94		%
Scandium	45-1				94		%
Scandium	45-2				94		%
Selenium	82-1	128.93	128.48	128.44	128.62	0.21	ppb
Selenium	77-2	125.81	135.73	146.78	136.11	7.71	ppb
Selenium	78-2	132.17	134.67	130.63	132.49	1.54	ppb
Silicon	28-1	184.19	178.33	181.09	181.20	1.62	ppb
Silver	107-1	131.53	134.89	132.58	133.00	1.30	ppb
Silver	109-1	131.76	135.18	133.02	133.32	1.30	ppb
Sodium	23-2	12363.45	12296.49	12275.78	12311.91	0.37	ppb
Strontium	86-1	122.65	122.79	124.43	123.29	0.80	ppb
Strontium	88-1	126.25	125.07	125.85	125.72	0.48	ppb
Sulfur	34-1	2392.20	2451.23	2439.60	2427.68	1.29	ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	113.22	115.54	115.27	114.67	1.11	ppb
Thallium	205-1	122.93	124.73	123.61	123.76	0.73	ppb
Tin	118-1	125.50	128.87	126.36	126.91	1.38	ppb
Titanium	47-1	1260.06	1259.02	1287.72	1268.93	1.28	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S04 Instrumnet Name : P7
Client Sample ID : S04 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:34:57 DataFile Name : 007CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	121.86	122.16	121.14	121.72	0.43	ppb
Vanadium	51-2	126.28	125.06	125.72	125.69	0.49	ppb
Yttrium	89-1				97		%
Yttrium	89-2				95		%
Zinc	66-2	1254.30	1248.70	1258.20	1253.73	0.38	ppb
Zirconium	90-1	124.46	125.32	124.99	124.92	0.35	ppb
Zirconium	91-1	122.89	123.65	123.65	123.40	0.36	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S05 Instrumnet Name : P7
Client Sample ID : S05 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:37:54 DataFile Name : 008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4842.97	4843.08	4395.10	4693.72	5.51	ppb
Antimony	121-1	259.80	263.17	260.37	261.11	0.69	ppb
Arsenic	75-2	255.12	250.83	238.52	248.16	3.47	ppb
Barium	135-1	1305.52	1315.82	1301.60	1307.65	0.56	ppb
Barium	137-1	1289.16	1324.87	1284.40	1299.48	1.70	ppb
Beryllium	9-1	268.05	265.41	262.86	265.44	0.98	ppb
Bismuth	209-1				101		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	266.01	274.89	267.05	269.31	1.80	ppb
Cadmium	106-1	266.08	278.86	263.93	269.62	2.99	ppb
Cadmium	111-1	260.57	266.22	255.81	260.87	2.00	ppb
Calcium	43-1	25451.60	25477.80	25734.38	25554.59	0.61	ppb
Calcium	44-1	24429.17	24161.61	24530.50	24373.76	0.78	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	250.00	252.64	228.64	243.76	5.40	ppb
Cobalt	59-2	250.84	252.25	227.07	243.39	5.81	ppb
Copper	63-2	2566.78	2569.07	2339.34	2491.73	5.30	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				103		%
Indium	115-1				95		%
Indium	115-2				96		%
Iron	56-2	12961.28	13021.19	11713.89	12565.45	5.87	ppb
Iron	57-2	12997.19	13070.50	11895.27	12654.32	5.20	ppb
Iron	54-2	12984.06	13304.79	11892.80	12727.22	5.82	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S05 Instrumnet Name : P7
Client Sample ID : S05 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:37:54 DataFile Name : 008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1248.93	1258.20	1270.19	1259.11	0.85	ppb
Lead	207-1	1249.61	1251.39	1256.19	1252.40	0.27	ppb
Lead	208-1	1248.13	1258.19	1268.31	1258.21	0.80	ppb
Lithium	6-1				102		%
Magnesium	24-2	24567.70	24694.63	22149.05	23803.79	6.03	ppb
Manganese	55-2	2545.26	2520.68	2268.74	2444.89	6.26	ppb
Molybdenum	94-1	2518.55	2534.16	2536.85	2529.85	0.39	ppb
Molybdenum	95-1	2537.68	2545.26	2551.94	2544.96	0.28	ppb
Molybdenum	96-1	2503.40	2513.67	2516.86	2511.31	0.28	ppb
Molybdenum	97-1	2521.95	2512.98	2498.64	2511.19	0.47	ppb
Molybdenum	98-1	2519.14	2505.00	2522.73	2515.62	0.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	259.51	261.23	236.48	252.41	5.47	ppb
Phosphorus	31-2	5156.26	5121.45	4685.93	4987.88	5.25	ppb
Potassium	39-2	12285.33	12327.62	11148.71	11920.55	5.61	ppb
Rhodium	103-1				91		%
Rhodium	103-2				95		%
Scandium	45-1				90		%
Scandium	45-2				94		%
Selenium	82-1	259.01	261.55	260.37	260.31	0.49	ppb
Selenium	77-2	260.91	266.22	238.26	255.13	5.82	ppb
Selenium	78-2	256.56	251.47	242.26	250.10	2.90	ppb
Silicon	28-1	287.73	291.16	290.66	289.85	0.64	ppb
Silver	107-1	273.22	276.20	272.34	273.92	0.74	ppb
Silver	109-1	272.59	275.23	265.22	271.01	1.91	ppb
Sodium	23-2	24647.30	24824.76	22595.50	24022.52	5.16	ppb
Strontium	86-1	245.93	248.41	249.00	247.78	0.66	ppb
Strontium	88-1	252.00	255.08	253.43	253.50	0.61	ppb
Sulfur	34-1	4813.98	4893.11	4888.33	4865.14	0.91	ppb
Terbium	159-1				101		%
Terbium	159-2				102		%
Thallium	203-1	249.28	252.90	250.78	250.99	0.72	ppb
Thallium	205-1	246.90	252.09	254.75	251.25	1.59	ppb
Tin	118-1	261.13	264.49	263.02	262.88	0.64	ppb
Titanium	47-1	2518.92	2534.65	2550.31	2534.63	0.62	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S05 Instrumnet Name : P7
Client Sample ID : S05 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:37:54 DataFile Name : 008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	243.56	246.86	248.29	246.24	0.98	ppb
Vanadium	51-2	250.56	249.91	228.13	242.87	5.26	ppb
Yttrium	89-1				94		%
Yttrium	89-2				95		%
Zinc	66-2	2532.19	2594.82	2362.49	2496.50	4.81	ppb
Zirconium	90-1	253.49	251.27	254.84	253.20	0.71	ppb
Zirconium	91-1	248.27	251.41	249.40	249.69	0.64	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S06 Instrumnet Name : P7
Client Sample ID : S06 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:40:42 DataFile Name : 009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9771.56	9735.21	9832.12	9779.63	0.50	ppb
Antimony	121-1	508.96	502.22	501.43	504.20	0.82	ppb
Arsenic	75-2	504.65	500.53	507.06	504.08	0.66	ppb
Barium	135-1	2554.82	2500.61	2512.27	2522.57	1.13	ppb
Barium	137-1	2523.53	2494.70	2498.28	2505.51	0.63	ppb
Beryllium	9-1	514.94	508.88	506.21	510.01	0.88	ppb
Bismuth	209-1				101		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	516.31	509.38	505.50	510.40	1.07	ppb
Cadmium	106-1	513.23	506.27	507.76	509.08	0.72	ppb
Cadmium	111-1	496.73	491.01	490.67	492.80	0.69	ppb
Calcium	43-1	50468.35	50918.73	49948.90	50445.33	0.96	ppb
Calcium	44-1	48208.91	48243.86	48487.18	48313.32	0.31	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	503.31	513.66	503.04	506.67	1.19	ppb
Cobalt	59-2	512.73	509.77	513.52	512.01	0.39	ppb
Copper	63-2	5108.33	5084.45	5107.53	5100.10	0.27	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				101		%
Indium	115-1				93		%
Indium	115-2				91		%
Iron	56-2	25944.50	25936.01	25815.39	25898.64	0.28	ppb
Iron	57-2	25925.17	25516.43	25415.94	25619.18	1.05	ppb
Iron	54-2	26522.86	26410.32	26233.72	26388.97	0.55	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S06 Instrumnet Name : P7
Client Sample ID : S06 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:40:42 DataFile Name : 009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2527.60	2499.02	2547.19	2524.60	0.96	ppb
Lead	207-1	2532.59	2529.08	2527.99	2529.89	0.10	ppb
Lead	208-1	2520.63	2515.93	2532.30	2522.95	0.33	ppb
Lithium	6-1				102		%
Magnesium	24-2	50054.67	49638.21	49149.59	49614.16	0.91	ppb
Manganese	55-2	5038.99	5093.71	5039.12	5057.27	0.62	ppb
Molybdenum	94-1	5073.41	5019.00	5026.99	5039.80	0.58	ppb
Molybdenum	95-1	5062.98	5059.48	5031.39	5051.28	0.34	ppb
Molybdenum	96-1	5082.78	5057.01	5012.01	5050.60	0.71	ppb
Molybdenum	97-1	5051.08	5078.48	4978.34	5035.96	1.03	ppb
Molybdenum	98-1	5085.73	5065.29	4979.37	5043.46	1.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	510.21	511.89	512.52	511.54	0.23	ppb
Phosphorus	31-2	10070.84	10057.93	10104.28	10077.69	0.24	ppb
Potassium	39-2	24642.96	24383.39	24729.96	24585.44	0.73	ppb
Rhodium	103-1				89		%
Rhodium	103-2				90		%
Scandium	45-1				86		%
Scandium	45-2				88		%
Selenium	82-1	511.90	506.81	505.51	508.07	0.66	ppb
Selenium	77-2	521.27	504.14	488.56	504.66	3.24	ppb
Selenium	78-2	511.71	507.35	501.05	506.70	1.06	ppb
Silicon	28-1	521.31	524.61	511.91	519.28	1.27	ppb
Silver	107-1	516.63	511.13	503.12	510.29	1.33	ppb
Silver	109-1	520.85	506.46	509.18	512.16	1.49	ppb
Sodium	23-2	49231.53	50183.76	49841.55	49752.28	0.97	ppb
Strontium	86-1	495.25	494.73	487.59	492.52	0.87	ppb
Strontium	88-1	505.61	504.88	502.63	504.38	0.31	ppb
Sulfur	34-1	9842.80	9880.65	9715.79	9813.08	0.88	ppb
Terbium	159-1				103		%
Terbium	159-2				100		%
Thallium	203-1	508.80	507.20	506.69	507.56	0.22	ppb
Thallium	205-1	506.61	501.89	508.25	505.58	0.65	ppb
Tin	118-1	511.53	504.45	501.87	505.95	0.99	ppb
Titanium	47-1	5020.37	5091.50	5001.46	5037.78	0.94	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S06 Instrumnet Name : P7
Client Sample ID : S06 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:40:42 DataFile Name : 009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	499.38	505.06	497.79	500.75	0.76	ppb
Vanadium	51-2	501.21	498.62	499.79	499.87	0.26	ppb
Yttrium	89-1				92		%
Yttrium	89-2				91		%
Zinc	66-2	5138.57	5114.65	5072.94	5108.72	0.65	ppb
Zirconium	90-1	501.53	498.07	500.52	500.04	0.36	ppb
Zirconium	91-1	508.30	494.54	497.48	500.11	1.45	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S07 Instrumnet Name : P7
Client Sample ID : S07 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:43:28 DataFile Name : 010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19109.91	19640.51	19318.94	19356.45	1.38	ppb
Antimony	121-1	970.28	991.08	1023.73	995.03	2.71	ppb
Arsenic	75-2	998.16	1005.50	989.61	997.76	0.80	ppb
Barium	135-1	4846.41	4992.73	5086.09	4975.08	2.43	ppb
Barium	137-1	4833.20	4996.27	5114.05	4981.17	2.83	ppb
Beryllium	9-1	977.61	993.97	996.83	989.47	1.05	ppb
Bismuth	209-1				101		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	957.74	993.21	1013.46	988.14	2.85	ppb
Cadmium	106-1	966.53	989.97	1009.74	988.75	2.19	ppb
Cadmium	111-1	971.72	1005.12	1022.44	999.76	2.58	ppb
Calcium	43-1	94465.44	98193.69	96979.65	96546.26	1.97	ppb
Calcium	44-1	93852.34	97581.07	96106.99	95846.80	1.96	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	991.80	993.76	1008.17	997.91	0.90	ppb
Cobalt	59-2	999.05	997.18	989.68	995.31	0.50	ppb
Copper	63-2	9918.57	9965.82	9950.52	9944.97	0.24	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				101		%
Indium	115-1				91		%
Indium	115-2				89		%
Iron	56-2	50993.31	51924.56	50708.97	51208.95	1.24	ppb
Iron	57-2	51091.60	50726.80	50085.58	50634.66	1.01	ppb
Iron	54-2	51627.54	51685.68	51643.03	51652.08	0.06	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S07 Instrumnet Name : P7
Client Sample ID : S07 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:43:28 DataFile Name : 010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	4924.68	5007.97	5023.32	4985.33	1.06	ppb
Lead	207-1	4893.33	5023.54	5040.93	4985.93	1.62	ppb
Lead	208-1	4883.62	5040.71	5036.98	4987.10	1.80	ppb
Lithium	6-1				101		%
Magnesium	24-2	97064.39	98411.74	97170.39	97548.84	0.77	ppb
Manganese	55-2	10004.26	10054.88	9894.21	9984.45	0.82	ppb
Molybdenum	94-1	9634.69	10124.47	10162.55	9973.91	2.95	ppb
Molybdenum	95-1	9660.13	10111.71	10115.27	9962.37	2.63	ppb
Molybdenum	96-1	9767.00	10025.98	10121.86	9971.61	1.84	ppb
Molybdenum	97-1	9681.11	10147.37	10110.48	9979.65	2.60	ppb
Molybdenum	98-1	9684.72	10111.90	10125.76	9974.13	2.51	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	991.84	995.43	990.48	992.58	0.26	ppb
Phosphorus	31-2	20022.93	19892.08	19936.25	19950.42	0.33	ppb
Potassium	39-2	48310.40	49164.67	48984.47	48819.85	0.92	ppb
Rhodium	103-1				87		%
Rhodium	103-2				88		%
Scandium	45-1				85		%
Scandium	45-2				88		%
Selenium	82-1	969.28	1005.66	1003.39	992.78	2.05	ppb
Selenium	77-2	1013.48	972.29	998.85	994.87	2.10	ppb
Selenium	78-2	995.47	998.69	992.06	995.41	0.33	ppb
Silicon	28-1	959.75	993.66	957.87	970.43	2.08	ppb
Silver	107-1	967.70	982.09	1013.03	987.60	2.35	ppb
Silver	109-1	962.21	985.73	1014.19	987.37	2.64	ppb
Sodium	23-2	98149.52	99218.62	98265.05	98544.40	0.60	ppb
Strontium	86-1	977.98	1027.51	1008.05	1004.51	2.48	ppb
Strontium	88-1	967.29	1012.25	1011.14	996.89	2.57	ppb
Sulfur	34-1	19631.18	20462.79	20333.00	20142.32	2.22	ppb
Terbium	159-1				103		%
Terbium	159-2				100		%
Thallium	203-1	980.26	1009.59	1002.62	997.49	1.54	ppb
Thallium	205-1	983.34	1001.73	1006.84	997.30	1.24	ppb
Tin	118-1	963.05	995.88	1021.50	993.48	2.95	ppb
Titanium	47-1	9739.33	10131.34	10038.56	9969.74	2.05	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S07 Instrumnet Name : P7
Client Sample ID : S07 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:43:28 DataFile Name : 010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	982.84	1013.73	1007.40	1001.33	1.63	ppb
Vanadium	51-2	997.70	996.06	1011.13	1001.63	0.83	ppb
Yttrium	89-1				91		%
Yttrium	89-2				91		%
Zinc	66-2	9950.63	9927.91	9956.39	9944.98	0.15	ppb
Zirconium	90-1	967.31	1013.50	1016.89	999.24	2.77	ppb
Zirconium	91-1	968.78	1020.21	1011.78	1000.26	2.76	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S08 Instrumnet Name : P7
Client Sample ID : S08 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:46:12 DataFile Name : 011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	100678.11	99933.60	99892.51	100168.07	0.44	ppb
Antimony	121-1	0.31	0.29	0.30	0.30	3.68	ppb
Arsenic	75-2	0.57	0.57	0.53	0.56	4.48	ppb
Barium	135-1	1.79	1.79	1.80	1.79	0.35	ppb
Barium	137-1	1.86	1.83	1.77	1.82	2.63	ppb
Beryllium	9-1	0.30	0.20	0.17	0.22	31.11	ppb
Bismuth	209-1				88		%
Bismuth	209-2				85		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.67	0.60	0.36	0.54	29.38	ppb
Cadmium	106-1	-1.60	-1.72	-1.03	-1.45		ppb
Cadmium	111-1	0.06	0.05	0.10	0.07	39.64	ppb
Calcium	43-1	507567.22	498316.15	495945.96	500609.78	1.23	ppb
Calcium	44-1	509779.76	496217.58	497120.98	501039.44	1.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.24	2.38	2.29	2.30	3.20	ppb
Cobalt	59-2	2.59	2.66	2.66	2.64	1.61	ppb
Copper	63-2	1.16	1.19	1.09	1.15	4.46	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				96		%
Indium	115-1				86		%
Indium	115-2				87		%
Iron	56-2	249484.96	248842.18	250648.63	249658.59	0.37	ppb
Iron	57-2	249623.37	251632.16	248127.45	249794.32	0.70	ppb
Iron	54-2	249854.69	248852.40	249807.90	249505.00	0.23	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S08 Instrumnet Name : P7
Client Sample ID : S08 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:46:12 DataFile Name : 011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.45	0.45	0.41	0.44	4.97	ppb
Lead	207-1	0.46	0.49	0.42	0.45	7.71	ppb
Lead	208-1	0.45	0.46	0.42	0.45	4.31	ppb
Lithium	6-1				96		%
Magnesium	24-2	500711.96	501664.58	499403.63	500593.39	0.23	ppb
Manganese	55-2	4.84	5.06	5.07	4.99	2.62	ppb
Molybdenum	94-1	4.30	4.31	4.27	4.30	0.55	ppb
Molybdenum	95-1	1.12	1.18	1.17	1.16	2.68	ppb
Molybdenum	96-1	3.63	3.59	3.47	3.56	2.35	ppb
Molybdenum	97-1	1.21	1.17	1.18	1.19	2.10	ppb
Molybdenum	98-1	1.11	1.10	1.03	1.08	4.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	3.93	3.89	4.01	3.94	1.58	ppb
Phosphorus	31-2	-17.16	-16.69	-18.67	-17.51		ppb
Potassium	39-2	250691.26	249591.50	250628.21	250303.66	0.25	ppb
Rhodium	103-1				80		%
Rhodium	103-2				81		%
Scandium	45-1				85		%
Scandium	45-2				89		%
Selenium	82-1	1.28	1.16	0.73	1.06	27.79	ppb
Selenium	77-2	0.00	0.69	0.23	0.30	115.06	ppb
Selenium	78-2	-0.63	-1.74	-0.81	-1.06		ppb
Silicon	28-1	-17.58	-21.16	-22.62	-20.45		ppb
Silver	107-1	0.10	0.09	0.09	0.09	7.11	ppb
Silver	109-1	0.10	0.07	0.08	0.08	17.25	ppb
Sodium	23-2	500151.52	498957.76	501996.03	500368.44	0.31	ppb
Strontium	86-1	3.46	3.24	3.37	3.36	3.25	ppb
Strontium	88-1	3.37	3.31	3.33	3.33	0.90	ppb
Sulfur	34-1	-522.38	-556.39	-487.28	-522.02		ppb
Terbium	159-1				97		%
Terbium	159-2				95		%
Thallium	203-1	0.06	0.05	0.05	0.05	5.75	ppb
Thallium	205-1	0.06	0.05	0.05	0.05	9.62	ppb
Tin	118-1	0.17	0.15	0.15	0.16	6.65	ppb
Titanium	47-1	0.54	0.75	0.66	0.65	15.99	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S08 Instrumnet Name : P7
Client Sample ID : S08 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:46:12 DataFile Name : 011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.03	0.03	0.03	17.91	ppb
Vanadium	51-2	0.28	0.28	0.26	0.27	3.07	ppb
Yttrium	89-1				89		%
Yttrium	89-2				90		%
Zinc	66-2	3.85	3.95	4.43	4.08	7.56	ppb
Zirconium	90-1	1.76	1.77	1.76	1.76	0.40	ppb
Zirconium	91-1	1.80	1.76	1.73	1.76	2.04	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICV004 Instrumnet Name : P7
Client Sample ID : ICV004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:02:02 DataFile Name : 014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	470.57	470.02	469.94	470.18	0.07	ppb
Antimony	121-1	207.67	205.45	209.94	207.69	1.08	ppb
Arsenic	75-2	209.22	208.09	209.25	208.85	0.31	ppb
Barium	135-1	98.40	99.53	100.36	99.43	0.99	ppb
Barium	137-1	99.23	99.72	100.85	99.93	0.83	ppb
Beryllium	9-1	105.39	105.12	104.50	105.00	0.43	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	157.28	150.69	153.61	153.86	2.15	ppb
Cadmium	106-1	158.09	158.01	164.42	160.17	2.30	ppb
Cadmium	111-1	104.68	105.53	107.57	105.92	1.40	ppb
Calcium	43-1	2227.57	2275.34	2274.60	2259.17	1.21	ppb
Calcium	44-1	2111.04	2150.06	2136.61	2132.57	0.93	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	103.75	103.21	104.89	103.95	0.83	ppb
Cobalt	59-2	104.02	104.06	104.28	104.12	0.14	ppb
Copper	63-2	104.02	104.15	103.92	104.03	0.11	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				93		%
Indium	115-2				93		%
Iron	56-2	2089.22	2073.91	2074.60	2079.24	0.42	ppb
Iron	57-2	2116.22	2092.89	2080.30	2096.47	0.87	ppb
Iron	54-2	2212.44	2208.83	2200.85	2207.37	0.27	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICV004 Instrumnet Name : P7
Client Sample ID : ICV004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:02:02 DataFile Name : 014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	186.92	190.95	191.37	189.75	1.29	ppb
Lead	207-1	177.34	182.31	181.03	180.23	1.43	ppb
Lead	208-1	191.76	193.94	194.60	193.43	0.77	ppb
Lithium	6-1				101		%
Magnesium	24-2	1100.53	1095.61	1103.11	1099.75	0.35	ppb
Manganese	55-2	100.84	100.34	101.13	100.77	0.40	ppb
Molybdenum	94-1	4882.17	4865.02	4864.63	4870.61	0.21	ppb
Molybdenum	95-1	4854.38	4832.81	4841.04	4842.74	0.22	ppb
Molybdenum	96-1	4888.22	4857.73	4821.24	4855.73	0.69	ppb
Molybdenum	97-1	4805.44	4805.92	4814.07	4808.48	0.10	ppb
Molybdenum	98-1	4854.46	4822.79	4852.56	4843.27	0.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	108.92	108.85	108.95	108.91	0.05	ppb
Phosphorus	31-2	-19.47	-20.96	-22.83	-21.09		ppb
Potassium	39-2	1988.90	1979.49	1981.69	1983.36	0.25	ppb
Rhodium	103-1				92		%
Rhodium	103-2				93		%
Scandium	45-1				86		%
Scandium	45-2				89		%
Selenium	82-1	214.73	215.69	214.61	215.01	0.27	ppb
Selenium	77-2	222.38	224.62	211.01	219.34	3.33	ppb
Selenium	78-2	211.17	218.29	215.65	215.03	1.67	ppb
Silicon	28-1	448.13	460.27	456.72	455.04	1.37	ppb
Silver	107-1	49.99	49.86	50.29	50.05	0.44	ppb
Silver	109-1	49.77	49.52	49.85	49.71	0.35	ppb
Sodium	23-2	1949.49	1940.08	1940.56	1943.38	0.27	ppb
Strontium	86-1	482.78	479.60	481.27	481.22	0.33	ppb
Strontium	88-1	497.81	496.27	496.89	496.99	0.16	ppb
Sulfur	34-1	-980.52	-1011.14	-1037.85	-1009.84		ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	203.25	206.17	202.84	204.09	0.89	ppb
Thallium	205-1	203.02	204.45	202.69	203.38	0.46	ppb
Tin	118-1	532.52	524.63	528.74	528.63	0.75	ppb
Titanium	47-1	4902.32	4881.73	4902.88	4895.65	0.25	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICV004 Instrumnet Name : P7
Client Sample ID : ICV004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:02:02 DataFile Name : 014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	460.84	475.51	465.84	467.40	1.60	ppb
Vanadium	51-2	100.32	99.70	100.46	100.16	0.41	ppb
Yttrium	89-1				92		%
Yttrium	89-2				93		%
Zinc	66-2	201.34	200.65	201.90	201.30	0.31	ppb
Zirconium	90-1	485.38	483.53	487.07	485.33	0.37	ppb
Zirconium	91-1	490.35	480.08	490.15	486.86	1.21	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICB004 Instrumnet Name : P7
Client Sample ID : ICB004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:09:02 DataFile Name : 016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.19	-0.05	0.03	-0.07		ppb
Antimony	121-1	0.01	0.01	0.01	0.01	7.06	ppb
Arsenic	75-2	0.01	-0.01	-0.01	-0.01		ppb
Barium	135-1	0.02	0.01	0.01	0.01	37.26	ppb
Barium	137-1	0.02	0.02	0.00	0.01	66.48	ppb
Beryllium	9-1	0.28	0.03	0.03	0.11	127.15	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.05	-0.01	-0.05	-0.03		ppb
Cadmium	106-1	-2.50	-2.15	-1.93	-2.19		ppb
Cadmium	111-1	-0.05	-0.05	-0.04	-0.04		ppb
Calcium	43-1	32.72	-3.86	-1.30	9.19	222.30	ppb
Calcium	44-1	25.52	0.14	-0.51	8.38	177.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.03	-0.01	-0.01	-0.01		ppb
Cobalt	59-2	0.00	0.00	0.01	0.00	209.94	ppb
Copper	63-2	-0.03	-0.01	0.02	0.00		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				99		%
Holmium	165-2				99		%
Indium	115-1				94		%
Indium	115-2				95		%
Iron	56-2	0.16	0.26	0.11	0.18	44.85	ppb
Iron	57-2	-1.93	-1.91	-2.34	-2.06		ppb
Iron	54-2	-1.02	-0.74	-1.21	-0.99		ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICB004 Instrumnet Name : P7
Client Sample ID : ICB004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:09:02 DataFile Name : 016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.02	0.02	0.03	42.13	ppb
Lead	207-1	0.03	0.03	0.03	0.03	5.45	ppb
Lead	208-1	0.04	0.02	0.03	0.03	21.59	ppb
Lithium	6-1				101		%
Magnesium	24-2	0.16	0.32	0.37	0.28	37.49	ppb
Manganese	55-2	0.00	0.00	-0.02	-0.01		ppb
Molybdenum	94-1	0.23	0.03	0.03	0.10	115.31	ppb
Molybdenum	95-1	0.14	0.03	0.03	0.07	102.73	ppb
Molybdenum	96-1	0.13	0.01	0.02	0.05	117.01	ppb
Molybdenum	97-1	0.12	0.01	0.01	0.05	127.85	ppb
Molybdenum	98-1	0.09	0.02	0.02	0.04	95.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.09	-0.10	-0.03	-0.07		ppb
Phosphorus	31-2	-19.40	-25.34	-18.63	-21.12		ppb
Potassium	39-2	-7.80	-4.87	-4.50	-5.72		ppb
Rhodium	103-1				92		%
Rhodium	103-2				95		%
Scandium	45-1				87		%
Scandium	45-2				90		%
Selenium	82-1	0.14	0.26	0.07	0.16	59.52	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-1.44	-1.10	-1.61	-1.38		ppb
Silicon	28-1	-23.18	-32.72	-27.78	-27.89		ppb
Silver	107-1	0.01	0.00	0.00	0.00	88.48	ppb
Silver	109-1	0.00	0.00	0.00	0.00	52.68	ppb
Sodium	23-2	13.06	12.64	12.26	12.65	3.18	ppb
Strontium	86-1	0.05	0.00	0.01	0.02	129.95	ppb
Strontium	88-1	0.02	0.00	0.00	0.01	134.42	ppb
Sulfur	34-1	-532.15	-672.92	-541.60	-582.22		ppb
Terbium	159-1				100		%
Terbium	159-2				99		%
Thallium	203-1	0.01	0.01	0.02	0.01	33.51	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	17.42	ppb
Tin	118-1	0.06	0.04	0.02	0.04	55.89	ppb
Titanium	47-1	1.25	0.04	0.02	0.43	161.56	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICB004 Instrumnet Name : P7
Client Sample ID : ICB004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:09:02 DataFile Name : 016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.07	0.00	0.00	0.02	168.18	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	139.64	ppb
Yttrium	89-1				92		%
Yttrium	89-2				94		%
Zinc	66-2	0.01	0.13	0.04	0.06	99.51	ppb
Zirconium	90-1	0.03	0.00	0.01	0.01	104.64	ppb
Zirconium	91-1	0.03	0.01	0.01	0.01	92.06	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICSA004 Instrumnet Name : P7
Client Sample ID : ICSA004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:12:19 DataFile Name : 017ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	93732.59	92123.08	93035.96	92963.88	0.87	ppb
Antimony	121-1	1.14	1.21	1.10	1.15	4.76	ppb
Arsenic	75-2	0.34	0.35	0.33	0.34	2.49	ppb
Barium	135-1	1.48	1.49	1.50	1.49	0.77	ppb
Barium	137-1	1.44	1.54	1.43	1.47	4.12	ppb
Beryllium	9-1	0.32	0.31	0.30	0.31	2.62	ppb
Bismuth	209-1				95		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	9.52	8.56	8.45	8.84	6.66	ppb
Cadmium	106-1	-2.79	-2.92	-3.37	-3.02		ppb
Cadmium	111-1	0.30	0.34	0.24	0.29	16.07	ppb
Calcium	43-1	100971.33	109653.85	101880.16	104168.45	4.58	ppb
Calcium	44-1	101046.96	108669.72	99231.73	102982.80	4.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	21.11	20.70	20.95	20.92	0.99	ppb
Cobalt	59-2	1.28	1.34	1.32	1.31	2.25	ppb
Copper	63-2	7.84	7.88	8.08	7.93	1.66	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				98		%
Holmium	165-2				100		%
Indium	115-1				88		%
Indium	115-2				91		%
Iron	56-2	106725.40	106632.60	107862.91	107073.64	0.64	ppb
Iron	57-2	105956.00	104697.16	106405.37	105686.18	0.84	ppb
Iron	54-2	107624.85	106349.59	107632.07	107202.17	0.69	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICSA004 Instrumnet Name : P7
Client Sample ID : ICSA004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:12:19 DataFile Name : 017ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	5.23	5.20	4.92	5.12	3.40	ppb
Lead	207-1	4.80	4.70	4.48	4.66	3.43	ppb
Lead	208-1	4.92	4.93	4.57	4.81	4.31	ppb
Lithium	6-1				97		%
Magnesium	24-2	93588.54	93479.96	94414.47	93827.66	0.54	ppb
Manganese	55-2	8.09	8.08	8.08	8.08	0.06	ppb
Molybdenum	94-1	1669.56	1760.57	1668.94	1699.69	3.10	ppb
Molybdenum	95-1	2058.05	2178.71	2058.62	2098.46	3.31	ppb
Molybdenum	96-1	1996.80	2135.32	2017.70	2049.94	3.64	ppb
Molybdenum	97-1	2030.27	2171.75	2060.54	2087.52	3.57	ppb
Molybdenum	98-1	2054.47	2181.92	2030.58	2088.99	3.89	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.72	5.88	6.06	5.89	2.94	ppb
Phosphorus	31-2	104792.36	103869.59	104490.65	104384.20	0.45	ppb
Potassium	39-2	100005.26	100689.19	100902.38	100532.27	0.47	ppb
Rhodium	103-1				83		%
Rhodium	103-2				88		%
Scandium	45-1				83		%
Scandium	45-2				88		%
Selenium	82-1	0.34	0.72	-0.07	0.33	120.84	ppb
Selenium	77-2	0.00	0.45	0.22	0.22	100.27	ppb
Selenium	78-2	-1.13	-1.23	-1.34	-1.23		ppb
Silicon	28-1	-18.71	-7.00	-17.87	-14.53		ppb
Silver	107-1	0.02	0.03	0.02	0.02	17.39	ppb
Silver	109-1	0.02	0.03	0.03	0.03	16.22	ppb
Sodium	23-2	101450.32	101639.44	102265.41	101785.06	0.42	ppb
Strontium	86-1	35.35	37.70	35.43	36.16	3.69	ppb
Strontium	88-1	34.82	37.08	35.10	35.67	3.45	ppb
Sulfur	34-1	112467.10	119566.46	110141.02	114058.19	4.30	ppb
Terbium	159-1				99		%
Terbium	159-2				99		%
Thallium	203-1	0.15	0.16	0.15	0.15	5.21	ppb
Thallium	205-1	0.14	0.16	0.15	0.15	6.75	ppb
Tin	118-1	0.39	0.44	0.36	0.40	10.20	ppb
Titanium	47-1	2112.89	2228.20	2101.92	2147.67	3.26	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICSA004 Instrumnet Name : P7
Client Sample ID : ICSA004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:12:19 DataFile Name : 017ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	6.64	ppb
Vanadium	51-2	0.21	0.21	0.20	0.21	2.24	ppb
Yttrium	89-1				88		%
Yttrium	89-2				92		%
Zinc	66-2	11.39	11.73	11.66	11.59	1.51	ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	12.50	ppb
Zirconium	91-1	0.03	0.03	0.03	0.03	12.47	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICSAB004 Instrumnet Name : P7
Client Sample ID : ICSAB004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:15:24 DataFile Name : 018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	91784.46	91178.87	91929.15	91630.83	0.43	ppb
Antimony	121-1	21.21	21.50	21.68	21.46	1.11	ppb
Arsenic	75-2	21.18	21.37	21.75	21.43	1.38	ppb
Barium	135-1	21.22	21.88	22.27	21.79	2.45	ppb
Barium	137-1	21.05	21.57	21.85	21.49	1.90	ppb
Beryllium	9-1	21.70	21.74	21.91	21.79	0.51	ppb
Bismuth	209-1				99		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	27.52	26.61	28.27	27.47	3.03	ppb
Cadmium	106-1	15.12	15.98	15.65	15.58	2.81	ppb
Cadmium	111-1	20.57	20.74	20.98	20.77	0.99	ppb
Calcium	43-1	99598.61	101651.14	101979.48	101076.41	1.28	ppb
Calcium	44-1	99456.65	99830.78	102299.92	100529.12	1.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	41.32	40.78	41.00	41.04	0.66	ppb
Cobalt	59-2	21.91	21.56	21.83	21.76	0.84	ppb
Copper	63-2	27.58	27.36	27.85	27.59	0.88	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				101		%
Indium	115-1				93		%
Indium	115-2				93		%
Iron	56-2	105215.37	103325.81	105299.84	104613.67	1.07	ppb
Iron	57-2	103178.50	103598.20	103566.88	103447.86	0.23	ppb
Iron	54-2	105067.41	103998.34	105381.37	104815.71	0.69	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICSAB004 Instrumnet Name : P7
Client Sample ID : ICSAB004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:15:24 DataFile Name : 018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	24.09	24.20	24.42	24.24	0.70	ppb
Lead	207-1	22.80	22.94	23.17	22.97	0.80	ppb
Lead	208-1	23.30	23.17	23.57	23.34	0.87	ppb
Lithium	6-1				100		%
Magnesium	24-2	92418.71	91482.72	91749.52	91883.65	0.52	ppb
Manganese	55-2	27.87	27.40	27.80	27.69	0.91	ppb
Molybdenum	94-1	1634.89	1624.01	1659.92	1639.61	1.12	ppb
Molybdenum	95-1	1993.39	1997.35	2043.30	2011.35	1.38	ppb
Molybdenum	96-1	1959.12	1970.43	2002.83	1977.46	1.15	ppb
Molybdenum	97-1	1999.23	2007.32	2036.06	2014.21	0.96	ppb
Molybdenum	98-1	1992.09	2013.35	2039.71	2015.05	1.18	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	26.61	26.20	26.36	26.39	0.80	ppb
Phosphorus	31-2	103062.31	101778.72	102964.56	102601.86	0.70	ppb
Potassium	39-2	99767.60	98406.52	99221.79	99131.97	0.69	ppb
Rhodium	103-1				88		%
Rhodium	103-2				90		%
Scandium	45-1				87		%
Scandium	45-2				91		%
Selenium	82-1	20.52	21.34	21.80	21.22	3.06	ppb
Selenium	77-2	23.82	20.89	20.41	21.71	8.51	ppb
Selenium	78-2	20.65	19.90	20.90	20.48	2.53	ppb
Silicon	28-1	-13.03	-12.56	-7.72	-11.10		ppb
Silver	107-1	19.40	19.77	19.81	19.66	1.14	ppb
Silver	109-1	19.30	19.60	19.78	19.56	1.22	ppb
Sodium	23-2	99718.74	98945.21	99014.72	99226.22	0.43	ppb
Strontium	86-1	34.38	34.84	35.75	34.99	1.99	ppb
Strontium	88-1	34.27	34.56	35.07	34.63	1.16	ppb
Sulfur	34-1	107320.15	109447.95	112581.54	109783.21	2.41	ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	19.62	19.75	20.12	19.83	1.31	ppb
Thallium	205-1	19.56	19.56	19.92	19.68	1.05	ppb
Tin	118-1	0.21	0.21	0.21	0.21	0.73	ppb
Titanium	47-1	2079.95	2069.85	2148.02	2099.27	2.03	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICSAB004 Instrumnet Name : P7
Client Sample ID : ICSAB004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:15:24 DataFile Name : 018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.02	0.02	0.02	0.02	1.76	ppb
Vanadium	51-2	20.76	20.40	20.67	20.61	0.90	ppb
Yttrium	89-1				94		%
Yttrium	89-2				94		%
Zinc	66-2	31.09	30.98	30.32	30.80	1.34	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	17.41	ppb
Zirconium	91-1	0.03	0.02	0.03	0.03	20.77	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV015 Instrumnet Name : P7
Client Sample ID : CCV015 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:39:53 DataFile Name : 021CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49138.49	48626.89	49506.34	49090.57	0.90	ppb
Antimony	121-1	506.20	508.52	497.32	504.01	1.17	ppb
Arsenic	75-2	487.88	484.96	492.53	488.45	0.78	ppb
Barium	135-1	2551.78	2541.46	2538.40	2543.88	0.28	ppb
Barium	137-1	2522.03	2559.12	2518.64	2533.26	0.89	ppb
Beryllium	9-1	521.90	522.52	518.58	521.00	0.41	ppb
Bismuth	209-1				94		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	492.85	497.15	491.07	493.69	0.63	ppb
Cadmium	106-1	487.49	488.47	488.27	488.08	0.11	ppb
Cadmium	111-1	471.41	471.18	470.83	471.14	0.06	ppb
Calcium	43-1	240489.65	238835.92	233538.49	237621.36	1.53	ppb
Calcium	44-1	236735.52	239250.23	234503.38	236829.71	1.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	499.63	499.41	501.94	500.32	0.28	ppb
Cobalt	59-2	489.84	495.10	491.68	492.21	0.54	ppb
Copper	63-2	4767.74	4798.36	4702.65	4756.25	1.03	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				99		%
Indium	115-1				90		%
Indium	115-2				89		%
Iron	56-2	125627.27	124454.11	125114.75	125065.37	0.47	ppb
Iron	57-2	123485.64	123622.90	123252.31	123453.62	0.15	ppb
Iron	54-2	125833.35	125025.26	125404.96	125421.19	0.32	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV015 Instrumnet Name : P7
Client Sample ID : CCV015 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:39:53 DataFile Name : 021CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2577.24	2574.24	2569.39	2573.62	0.15	ppb
Lead	207-1	2585.63	2582.80	2553.95	2574.13	0.68	ppb
Lead	208-1	2577.60	2580.75	2575.29	2577.88	0.11	ppb
Lithium	6-1				99		%
Magnesium	24-2	245128.44	244110.00	244097.59	244445.35	0.24	ppb
Manganese	55-2	4976.16	4949.64	4986.34	4970.71	0.38	ppb
Molybdenum	94-1	5008.99	5061.79	5071.60	5047.46	0.67	ppb
Molybdenum	95-1	5070.81	5033.99	5098.99	5067.93	0.64	ppb
Molybdenum	96-1	5025.05	5026.83	5070.53	5040.80	0.51	ppb
Molybdenum	97-1	5032.66	5011.14	5037.89	5027.23	0.28	ppb
Molybdenum	98-1	5038.62	5046.86	5048.92	5044.80	0.11	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	481.67	483.77	475.88	480.44	0.85	ppb
Phosphorus	31-2	10109.72	10107.08	10170.09	10128.96	0.35	ppb
Potassium	39-2	120634.18	121442.90	120937.16	121004.74	0.34	ppb
Rhodium	103-1				85		%
Rhodium	103-2				85		%
Scandium	45-1				87		%
Scandium	45-2				90		%
Selenium	82-1	474.27	468.40	478.26	473.64	1.05	ppb
Selenium	77-2	444.87	471.57	494.62	470.35	5.29	ppb
Selenium	78-2	484.10	468.25	490.46	480.94	2.38	ppb
Silicon	28-1	538.35	551.29	524.39	538.01	2.50	ppb
Silver	107-1	492.01	496.59	489.55	492.72	0.72	ppb
Silver	109-1	495.34	490.24	484.24	489.94	1.13	ppb
Sodium	23-2	244976.62	242417.45	243110.41	243501.49	0.54	ppb
Strontium	86-1	488.67	491.19	490.32	490.06	0.26	ppb
Strontium	88-1	503.89	505.02	507.19	505.37	0.33	ppb
Sulfur	34-1	9959.14	10105.07	9794.89	9953.03	1.56	ppb
Terbium	159-1				100		%
Terbium	159-2				98		%
Thallium	203-1	523.25	521.73	520.38	521.79	0.28	ppb
Thallium	205-1	516.50	515.69	516.37	516.19	0.08	ppb
Tin	118-1	508.92	508.94	506.19	508.02	0.31	ppb
Titanium	47-1	5047.55	5106.79	4958.44	5037.59	1.48	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV015 Instrumnet Name : P7
Client Sample ID : CCV015 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:39:53 DataFile Name : 021CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	527.64	523.70	527.02	526.12	0.40	ppb
Vanadium	51-2	506.90	502.58	510.21	506.56	0.76	ppb
Yttrium	89-1				92		%
Yttrium	89-2				92		%
Zinc	66-2	4717.15	4731.89	4742.06	4730.36	0.26	ppb
Zirconium	90-1	504.97	507.60	508.82	507.13	0.39	ppb
Zirconium	91-1	508.68	507.50	508.45	508.21	0.12	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB015 Instrumnet Name : P7
Client Sample ID : CCB015 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:45:05 DataFile Name : 022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.14	0.08	0.00	0.07	96.69	ppb
Antimony	121-1	0.01	0.02	0.02	0.02	7.63	ppb
Arsenic	75-2	-0.01	-0.01	-0.01	-0.01		ppb
Barium	135-1	0.01	0.01	0.02	0.01	20.97	ppb
Barium	137-1	0.01	0.01	0.01	0.01	33.87	ppb
Beryllium	9-1	0.05	0.03	0.02	0.03	45.36	ppb
Bismuth	209-1				103		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	-0.03	0.07	0.02	268.37	ppb
Cadmium	106-1	-3.91	-3.92	-3.03	-3.62		ppb
Cadmium	111-1	-0.08	-0.08	-0.06	-0.07		ppb
Calcium	43-1	-0.49	1.91	-2.61	-0.40		ppb
Calcium	44-1	0.61	0.84	0.95	0.80	21.96	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	0.05	0.02	0.03	72.97	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.00	0.04	0.01	0.02	121.82	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				98		%
Indium	115-1				98		%
Indium	115-2				94		%
Iron	56-2	0.64	1.67	0.90	1.07	50.05	ppb
Iron	57-2	-1.57	1.16	-0.17	-0.19		ppb
Iron	54-2	-0.59	1.43	0.56	0.47	215.49	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB015 Instrumnet Name : P7
Client Sample ID : CCB015 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:45:05 DataFile Name : 022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.04	0.04	0.04	0.04	7.70	ppb
Lead	207-1	0.05	0.04	0.05	0.05	7.06	ppb
Lead	208-1	0.05	0.05	0.05	0.05	1.98	ppb
Lithium	6-1				102		%
Magnesium	24-2	0.71	1.37	0.53	0.87	50.69	ppb
Manganese	55-2	0.06	0.08	0.05	0.06	23.81	ppb
Molybdenum	94-1	0.06	0.03	0.01	0.04	71.03	ppb
Molybdenum	95-1	0.03	0.02	0.03	0.03	22.79	ppb
Molybdenum	96-1	0.03	0.02	0.02	0.02	37.78	ppb
Molybdenum	97-1	0.03	0.02	0.02	0.02	36.28	ppb
Molybdenum	98-1	0.03	0.02	0.02	0.03	16.27	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.06	-0.07	-0.06	-0.07		ppb
Phosphorus	31-2	-23.86	-15.56	-20.32	-19.91		ppb
Potassium	39-2	-10.81	17.84	-2.74	1.43	1033.46	ppb
Rhodium	103-1				94		%
Rhodium	103-2				93		%
Scandium	45-1				89		%
Scandium	45-2				89		%
Selenium	82-1	0.05	-0.12	-0.19	-0.09		ppb
Selenium	77-2	0.00	0.25	0.00	0.08	173.21	ppb
Selenium	78-2	0.23	-0.60	-1.64	-0.67		ppb
Silicon	28-1	-28.21	-26.53	-27.65	-27.46		ppb
Silver	107-1	0.01	0.01	0.01	0.01	17.91	ppb
Silver	109-1	0.01	0.01	0.01	0.01	8.43	ppb
Sodium	23-2	24.33	35.78	27.15	29.09	20.51	ppb
Strontium	86-1	0.00	-0.01	-0.01	-0.01		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	95.82	ppb
Sulfur	34-1	-674.56	-583.51	-650.59	-636.22		ppb
Terbium	159-1				102		%
Terbium	159-2				98		%
Thallium	203-1	0.03	0.04	0.03	0.04	6.09	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	1.09	ppb
Tin	118-1	0.03	0.06	0.02	0.04	63.54	ppb
Titanium	47-1	0.04	0.04	0.05	0.04	15.88	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB015 Instrumnet Name : P7
Client Sample ID : CCB015 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:45:05 DataFile Name : 022CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	34.53	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				95		%
Yttrium	89-2				93		%
Zinc	66-2	0.07	0.18	0.27	0.18	58.27	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	9.83	ppb
Zirconium	91-1	0.02	0.01	0.00	0.01	66.67	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-01 Instrumnet Name : P7
Client Sample ID : LOD-MDL-SOIL-01-QT4- Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:53:42 DataFile Name : 024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14.85	15.22	14.22	14.76	3.44	ppb
Antimony	121-1	0.71	0.81	0.79	0.77	7.11	ppb
Arsenic	75-2	0.76	0.87	0.77	0.80	7.86	ppb
Barium	135-1	3.41	3.88	3.76	3.68	6.64	ppb
Barium	137-1	3.42	3.75	3.72	3.63	5.00	ppb
Beryllium	9-1	0.69	0.87	0.85	0.80	12.64	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.58	0.83	0.92	0.78	22.57	ppb
Cadmium	106-1	-2.58	-1.70	-1.94	-2.07		ppb
Cadmium	111-1	0.65	0.75	0.73	0.71	7.47	ppb
Calcium	43-1	71.94	73.96	78.77	74.89	4.69	ppb
Calcium	44-1	69.39	75.79	78.77	74.65	6.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.76	0.75	0.78	0.76	2.30	ppb
Cobalt	59-2	0.83	0.78	0.81	0.80	2.70	ppb
Copper	63-2	1.68	1.69	1.57	1.65	3.98	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				97		%
Iron	56-2	42.34	41.67	42.36	42.12	0.93	ppb
Iron	57-2	39.69	36.59	40.95	39.08	5.74	ppb
Iron	54-2	43.36	44.05	41.54	42.98	3.01	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-01 Instrumnet Name : P7
Client Sample ID : LOD-MDL-SOIL-01-QT4- Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:53:42 DataFile Name : 024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.65	0.74	0.75	0.71	7.37	ppb
Lead	207-1	0.64	0.75	0.74	0.71	8.64	ppb
Lead	208-1	0.66	0.73	0.73	0.71	5.46	ppb
Lithium	6-1				105		%
Magnesium	24-2	76.00	76.36	74.73	75.70	1.13	ppb
Manganese	55-2	1.52	1.56	1.56	1.55	1.41	ppb
Molybdenum	94-1	1.77	1.92	1.92	1.87	4.57	ppb
Molybdenum	95-1	0.69	0.74	0.73	0.72	3.55	ppb
Molybdenum	96-1	0.82	0.84	0.86	0.84	2.84	ppb
Molybdenum	97-1	0.73	0.70	0.73	0.72	2.43	ppb
Molybdenum	98-1	0.70	0.72	0.74	0.72	3.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.80	0.80	0.79	0.80	0.89	ppb
Phosphorus	31-2	-1.80	-6.55	-9.82	-6.06		ppb
Potassium	39-2	37.55	36.30	36.08	36.64	2.16	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				93		%
Scandium	45-2				93		%
Selenium	82-1	0.54	1.05	0.48	0.69	45.39	ppb
Selenium	77-2	0.86	1.07	0.64	0.86	25.17	ppb
Selenium	78-2	-0.23	-0.89	-0.80	-0.64		ppb
Silicon	28-1	-37.64	-26.81	-24.62	-29.69		ppb
Silver	107-1	0.74	0.83	0.82	0.80	6.46	ppb
Silver	109-1	0.70	0.82	0.84	0.79	9.58	ppb
Sodium	23-2	91.87	92.03	91.91	91.94	0.09	ppb
Strontium	86-1	0.65	0.75	0.78	0.73	9.25	ppb
Strontium	88-1	0.70	0.76	0.75	0.74	4.82	ppb
Sulfur	34-1	-745.74	-427.82	-408.71	-527.42		ppb
Terbium	159-1				105		%
Terbium	159-2				100		%
Thallium	203-1	0.70	0.73	0.76	0.73	3.89	ppb
Thallium	205-1	0.67	0.74	0.75	0.72	5.88	ppb
Tin	118-1	0.68	0.79	0.78	0.75	7.95	ppb
Titanium	47-1	0.68	0.87	0.81	0.79	12.17	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-01 Instrumnet Name : P7
Client Sample ID : LOD-MDL-SOIL-01-QT4- Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:53:42 DataFile Name : 024SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.62	0.66	0.67	0.65	4.36	ppb
Vanadium	51-2	0.83	0.75	0.79	0.79	4.99	ppb
Yttrium	89-1				98		%
Yttrium	89-2				96		%
Zinc	66-2	1.80	1.52	1.57	1.63	9.08	ppb
Zirconium	90-1	0.66	0.73	0.74	0.71	6.16	ppb
Zirconium	91-1	0.67	0.68	0.71	0.68	3.03	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-03 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-03-QT4-2024 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:57:00 DataFile Name : 025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9.13	9.09	9.61	9.28	3.12	ppb
Antimony	121-1	0.43	0.43	0.42	0.43	1.20	ppb
Arsenic	75-2	0.44	0.32	0.39	0.38	16.85	ppb
Barium	135-1	2.01	2.15	1.95	2.04	4.97	ppb
Barium	137-1	2.00	2.02	1.99	2.00	0.66	ppb
Beryllium	9-1	0.45	0.42	0.43	0.44	3.61	ppb
Bismuth	209-1				104		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.40	0.39	0.44	0.41	6.89	ppb
Cadmium	106-1	-1.28	0.60	-1.66	-0.78		ppb
Cadmium	111-1	0.36	0.43	0.38	0.39	8.54	ppb
Calcium	43-1	231.82	233.99	227.14	230.98	1.52	ppb
Calcium	44-1	235.70	235.98	239.21	236.96	0.82	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.42	0.41	0.43	0.42	2.91	ppb
Cobalt	59-2	0.42	0.43	0.41	0.42	1.54	ppb
Copper	63-2	0.87	0.87	0.85	0.86	1.34	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				99		%
Iron	56-2	36.80	37.41	37.48	37.23	1.01	ppb
Iron	57-2	34.59	32.12	37.16	34.62	7.28	ppb
Iron	54-2	37.50	36.91	38.23	37.55	1.76	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-03 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-03-QT4-2024 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:57:00 DataFile Name : 025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.38	0.39	0.40	0.39	3.55	ppb
Lead	207-1	0.38	0.39	0.41	0.40	3.43	ppb
Lead	208-1	0.39	0.38	0.40	0.39	1.46	ppb
Lithium	6-1				102		%
Magnesium	24-2	225.24	225.07	224.97	225.09	0.06	ppb
Manganese	55-2	0.84	0.81	0.82	0.82	1.59	ppb
Molybdenum	94-1	1.08	1.04	0.98	1.04	4.68	ppb
Molybdenum	95-1	0.44	0.40	0.40	0.42	5.19	ppb
Molybdenum	96-1	0.42	0.45	0.43	0.43	3.96	ppb
Molybdenum	97-1	0.41	0.39	0.40	0.40	3.22	ppb
Molybdenum	98-1	0.41	0.40	0.40	0.40	2.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.32	0.38	0.44	0.38	15.61	ppb
Phosphorus	31-2	-12.29	-9.10	-9.85	-10.41		ppb
Potassium	39-2	147.07	149.19	151.77	149.34	1.58	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				92		%
Scandium	45-2				95		%
Selenium	82-1	6.03	6.04	5.54	5.87	4.88	ppb
Selenium	77-2	5.47	4.01	5.74	5.08	18.34	ppb
Selenium	78-2	5.35	5.08	4.48	4.97	9.04	ppb
Silicon	28-1	-25.61	-25.47	-24.12	-25.07		ppb
Silver	107-1	0.44	0.43	0.42	0.43	1.64	ppb
Silver	109-1	0.43	0.44	0.43	0.43	1.12	ppb
Sodium	23-2	238.16	240.43	241.52	240.04	0.71	ppb
Strontium	86-1	0.39	0.35	0.37	0.37	4.52	ppb
Strontium	88-1	0.39	0.39	0.39	0.39	0.20	ppb
Sulfur	34-1	-339.88	-331.58	-284.54	-318.67		ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	0.39	0.38	0.40	0.39	2.70	ppb
Thallium	205-1	0.40	0.38	0.39	0.39	2.74	ppb
Tin	118-1	0.46	0.42	0.40	0.42	6.44	ppb
Titanium	47-1	0.50	0.42	0.39	0.44	12.38	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-03 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-03-QT4-2024 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:57:00 DataFile Name : 025SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.35	0.35	0.36	0.35	1.09	ppb
Vanadium	51-2	0.43	0.47	0.41	0.44	6.86	ppb
Yttrium	89-1				96		%
Yttrium	89-2				97		%
Zinc	66-2	0.85	0.95	1.07	0.96	11.44	ppb
Zirconium	90-1	0.38	0.38	0.39	0.38	1.60	ppb
Zirconium	91-1	0.41	0.37	0.40	0.40	5.65	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-07 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-01-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:00:16 DataFile Name : 026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	15.73	15.30	15.21	15.42	1.81	ppb
Antimony	121-1	0.83	0.79	0.81	0.81	2.18	ppb
Arsenic	75-2	0.75	0.92	0.95	0.87	11.99	ppb
Barium	135-1	3.86	3.78	3.87	3.84	1.18	ppb
Barium	137-1	3.87	3.76	3.97	3.87	2.76	ppb
Beryllium	9-1	0.86	0.86	0.80	0.84	4.27	ppb
Bismuth	209-1				101		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.66	0.79	0.84	0.76	11.90	ppb
Cadmium	106-1	-0.35	-0.15	-0.32	-0.28		ppb
Cadmium	111-1	0.78	0.82	0.82	0.81	2.91	ppb
Calcium	43-1	81.87	69.50	79.96	77.11	8.64	ppb
Calcium	44-1	79.34	79.89	79.70	79.64	0.35	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.78	0.84	0.82	0.81	3.36	ppb
Cobalt	59-2	0.83	0.80	0.81	0.81	1.84	ppb
Copper	63-2	1.93	1.71	1.70	1.78	7.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				97		%
Indium	115-1				97		%
Indium	115-2				95		%
Iron	56-2	66.64	44.85	43.78	51.76	24.93	ppb
Iron	57-2	61.77	43.00	39.35	48.04	25.05	ppb
Iron	54-2	59.83	44.42	46.17	50.14	16.82	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-07 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-01-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:00:16 DataFile Name : 026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.74	0.70	0.73	0.72	2.82	ppb
Lead	207-1	0.78	0.70	0.75	0.74	5.24	ppb
Lead	208-1	0.77	0.71	0.73	0.73	4.04	ppb
Lithium	6-1				101		%
Magnesium	24-2	76.94	78.31	77.90	77.71	0.91	ppb
Manganese	55-2	2.27	1.60	1.65	1.84	20.38	ppb
Molybdenum	94-1	2.00	1.94	1.92	1.95	2.17	ppb
Molybdenum	95-1	0.78	0.75	0.74	0.76	2.51	ppb
Molybdenum	96-1	0.91	0.83	0.87	0.87	5.07	ppb
Molybdenum	97-1	0.78	0.73	0.74	0.75	3.35	ppb
Molybdenum	98-1	0.79	0.74	0.74	0.76	3.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.77	0.75	0.73	0.75	2.71	ppb
Phosphorus	31-2	-4.75	-4.97	2.05	-2.55		ppb
Potassium	39-2	38.10	42.58	43.27	41.31	6.80	ppb
Rhodium	103-1				95		%
Rhodium	103-2				95		%
Scandium	45-1				91		%
Scandium	45-2				91		%
Selenium	82-1	0.96	0.36	0.70	0.67	44.19	ppb
Selenium	77-2	1.28	0.67	0.44	0.80	54.33	ppb
Selenium	78-2	0.28	-0.01	-0.32	-0.02		ppb
Silicon	28-1	-22.36	-18.48	-17.09	-19.31		ppb
Silver	107-1	0.84	0.82	0.85	0.84	1.78	ppb
Silver	109-1	0.85	0.81	0.83	0.83	2.36	ppb
Sodium	23-2	94.44	92.94	92.70	93.36	1.01	ppb
Strontium	86-1	0.77	0.83	0.77	0.79	4.67	ppb
Strontium	88-1	0.76	0.75	0.78	0.76	1.81	ppb
Sulfur	34-1	-362.81	-271.59	-257.44	-297.28		ppb
Terbium	159-1				100		%
Terbium	159-2				96		%
Thallium	203-1	0.75	0.75	0.70	0.73	3.34	ppb
Thallium	205-1	0.72	0.71	0.72	0.72	0.82	ppb
Tin	118-1	0.76	0.76	0.79	0.77	2.02	ppb
Titanium	47-1	0.82	0.87	0.83	0.84	3.28	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-07 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-01-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:00:16 DataFile Name : 026SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.67	0.66	0.67	0.67	0.88	ppb
Vanadium	51-2	0.80	0.84	0.82	0.82	2.56	ppb
Yttrium	89-1				95		%
Yttrium	89-2				94		%
Zinc	66-2	4.58	4.31	4.05	4.31	6.20	ppb
Zirconium	90-1	0.76	0.73	0.74	0.74	2.27	ppb
Zirconium	91-1	0.75	0.76	0.74	0.75	1.62	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-09 Instrumnet Name : P7
Client Sample ID : MDL-WATER-03-QT4-20 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:03:35 DataFile Name : 027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9.26	8.66	8.79	8.90	3.54	ppb
Antimony	121-1	0.43	0.44	0.45	0.44	3.29	ppb
Arsenic	75-2	0.49	0.34	0.49	0.44	20.06	ppb
Barium	135-1	2.06	1.94	1.97	1.99	3.06	ppb
Barium	137-1	1.95	2.05	2.08	2.03	3.28	ppb
Beryllium	9-1	0.48	0.40	0.48	0.46	9.93	ppb
Bismuth	209-1				102		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.30	0.41	0.26	0.32	22.43	ppb
Cadmium	106-1	-1.44	-2.14	-2.21	-1.93		ppb
Cadmium	111-1	0.45	0.39	0.41	0.41	6.92	ppb
Calcium	43-1	226.06	256.16	236.88	239.70	6.36	ppb
Calcium	44-1	237.68	236.93	230.26	234.96	1.74	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.40	0.43	0.38	0.40	7.28	ppb
Cobalt	59-2	0.42	0.42	0.40	0.41	2.71	ppb
Copper	63-2	0.85	0.87	0.84	0.85	1.56	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	36.93	37.00	36.85	36.93	0.20	ppb
Iron	57-2	35.43	35.59	37.11	36.04	2.57	ppb
Iron	54-2	37.50	38.33	37.54	37.79	1.24	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-09 Instrumnet Name : P7
Client Sample ID : MDL-WATER-03-QT4-20 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:03:35 DataFile Name : 027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.37	0.37	0.36	0.37	1.50	ppb
Lead	207-1	0.39	0.42	0.39	0.40	4.23	ppb
Lead	208-1	0.38	0.40	0.37	0.38	3.44	ppb
Lithium	6-1				101		%
Magnesium	24-2	221.42	228.19	227.74	225.78	1.68	ppb
Manganese	55-2	0.87	0.85	0.81	0.85	3.81	ppb
Molybdenum	94-1	1.04	1.03	1.05	1.04	1.09	ppb
Molybdenum	95-1	0.38	0.36	0.43	0.39	8.83	ppb
Molybdenum	96-1	0.45	0.48	0.49	0.47	5.10	ppb
Molybdenum	97-1	0.38	0.35	0.40	0.38	6.48	ppb
Molybdenum	98-1	0.39	0.37	0.40	0.39	2.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.29	0.41	0.41	0.37	19.65	ppb
Phosphorus	31-2	-13.20	-19.86	-21.72	-18.26		ppb
Potassium	39-2	148.42	150.12	147.57	148.70	0.87	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				93		%
Scandium	45-2				95		%
Selenium	82-1	5.85	5.71	5.82	5.79	1.21	ppb
Selenium	77-2	8.02	8.45	5.66	7.38	20.37	ppb
Selenium	78-2	5.58	4.77	6.18	5.51	12.81	ppb
Silicon	28-1	-14.90	-17.18	-17.27	-16.45		ppb
Silver	107-1	0.44	0.45	0.46	0.45	1.85	ppb
Silver	109-1	0.44	0.44	0.46	0.44	2.02	ppb
Sodium	23-2	236.04	237.20	235.77	236.34	0.32	ppb
Strontium	86-1	0.37	0.38	0.38	0.38	1.52	ppb
Strontium	88-1	0.39	0.38	0.39	0.39	1.35	ppb
Sulfur	34-1	-402.55	-384.84	-421.10	-402.83		ppb
Terbium	159-1				101		%
Terbium	159-2				100		%
Thallium	203-1	0.39	0.40	0.39	0.39	1.65	ppb
Thallium	205-1	0.38	0.39	0.38	0.38	1.94	ppb
Tin	118-1	0.45	0.44	0.44	0.44	1.29	ppb
Titanium	47-1	0.51	0.44	0.50	0.48	7.96	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-09 Instrumnet Name : P7
Client Sample ID : MDL-WATER-03-QT4-20 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:03:35 DataFile Name : 027SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.35	0.35	0.34	0.35	2.41	ppb
Vanadium	51-2	0.41	0.43	0.42	0.42	2.16	ppb
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	0.89	1.01	0.88	0.93	7.43	ppb
Zirconium	90-1	0.37	0.37	0.37	0.37	1.14	ppb
Zirconium	91-1	0.37	0.42	0.38	0.39	7.32	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-10 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-04-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:06:53 DataFile Name : 028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	14.87	15.06	13.99	14.64	3.88	ppb
Antimony	121-1	0.80	0.76	0.80	0.78	3.18	ppb
Arsenic	75-2	0.68	0.72	0.98	0.79	20.62	ppb
Barium	135-1	3.74	3.73	3.72	3.73	0.28	ppb
Barium	137-1	3.80	3.68	3.78	3.75	1.75	ppb
Beryllium	9-1	0.85	0.84	0.76	0.82	5.90	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.67	1.12	0.87	0.89	25.39	ppb
Cadmium	106-1	-0.56	-2.15	-0.34	-1.02		ppb
Cadmium	111-1	0.82	0.68	0.86	0.78	12.07	ppb
Calcium	43-1	83.64	83.29	77.54	81.49	4.20	ppb
Calcium	44-1	77.44	76.85	76.55	76.95	0.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.71	0.79	0.70	0.73	6.11	ppb
Cobalt	59-2	0.80	0.78	0.77	0.78	1.78	ppb
Copper	63-2	1.55	1.56	1.57	1.56	0.65	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				99		%
Indium	115-2				98		%
Iron	56-2	40.41	40.70	40.75	40.62	0.45	ppb
Iron	57-2	37.35	39.40	38.66	38.47	2.70	ppb
Iron	54-2	42.11	41.15	41.17	41.47	1.32	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-10 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-04-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:06:53 DataFile Name : 028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.69	0.69	0.71	0.70	1.97	ppb
Lead	207-1	0.69	0.72	0.71	0.71	2.16	ppb
Lead	208-1	0.69	0.70	0.70	0.70	1.15	ppb
Lithium	6-1				100		%
Magnesium	24-2	73.20	72.46	72.83	72.83	0.51	ppb
Manganese	55-2	1.53	1.48	1.54	1.52	2.09	ppb
Molybdenum	94-1	1.87	1.86	1.93	1.89	1.97	ppb
Molybdenum	95-1	0.75	0.73	0.77	0.75	2.65	ppb
Molybdenum	96-1	0.84	0.80	0.81	0.82	2.76	ppb
Molybdenum	97-1	0.70	0.68	0.69	0.69	1.99	ppb
Molybdenum	98-1	0.72	0.69	0.71	0.71	2.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.79	0.63	0.77	0.73	12.14	ppb
Phosphorus	31-2	-12.74	-13.97	-5.20	-10.64		ppb
Potassium	39-2	35.89	35.66	35.39	35.64	0.71	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				94		%
Scandium	45-2				96		%
Selenium	82-1	0.76	0.43	1.29	0.83	52.23	ppb
Selenium	77-2	0.42	1.47	2.30	1.40	67.30	ppb
Selenium	78-2	1.41	-0.89	0.01	0.17	661.99	ppb
Silicon	28-1	-14.27	-14.11	-14.14	-14.17		ppb
Silver	107-1	0.84	0.81	0.85	0.83	2.50	ppb
Silver	109-1	0.82	0.79	0.84	0.82	3.01	ppb
Sodium	23-2	84.37	84.20	83.56	84.04	0.51	ppb
Strontium	86-1	0.77	0.72	0.67	0.72	7.09	ppb
Strontium	88-1	0.73	0.72	0.74	0.73	0.92	ppb
Sulfur	34-1	-403.43	-437.66	-423.49	-421.53		ppb
Terbium	159-1				100		%
Terbium	159-2				100		%
Thallium	203-1	0.67	0.70	0.71	0.69	3.33	ppb
Thallium	205-1	0.69	0.69	0.69	0.69	0.34	ppb
Tin	118-1	0.73	0.80	0.80	0.78	5.46	ppb
Titanium	47-1	0.75	0.83	0.77	0.78	5.25	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-10 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-04-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:06:53 DataFile Name : 028SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.63	0.65	0.63	0.64	1.51	ppb
Vanadium	51-2	0.79	0.77	0.72	0.76	4.52	ppb
Yttrium	89-1				98		%
Yttrium	89-2				98		%
Zinc	66-2	1.60	1.62	1.86	1.69	8.39	ppb
Zirconium	90-1	0.71	0.69	0.71	0.70	1.16	ppb
Zirconium	91-1	0.75	0.74	0.74	0.74	0.75	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-12 Instrumnet Name : P7
Client Sample ID : MDL-WATER-06-QT4-20 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:10:12 DataFile Name : 029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8.23	8.28	8.49	8.34	1.62	ppb
Antimony	121-1	0.42	0.42	0.41	0.42	1.00	ppb
Arsenic	75-2	0.41	0.30	0.41	0.37	17.53	ppb
Barium	135-1	1.97	2.08	2.07	2.04	2.88	ppb
Barium	137-1	2.09	2.03	2.04	2.05	1.47	ppb
Beryllium	9-1	0.46	0.41	0.37	0.41	10.35	ppb
Bismuth	209-1				103		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.48	0.36	0.38	0.41	16.10	ppb
Cadmium	106-1	-0.57	-0.93	-2.43	-1.31		ppb
Cadmium	111-1	0.35	0.42	0.41	0.39	9.37	ppb
Calcium	43-1	247.68	227.02	239.57	238.09	4.37	ppb
Calcium	44-1	232.27	237.59	234.78	234.88	1.13	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.40	0.47	0.42	0.43	8.06	ppb
Cobalt	59-2	0.39	0.43	0.42	0.41	5.73	ppb
Copper	63-2	0.84	0.85	0.85	0.85	0.45	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				103		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	36.64	36.67	36.68	36.66	0.06	ppb
Iron	57-2	35.62	33.41	38.71	35.91	7.42	ppb
Iron	54-2	36.03	35.29	36.47	35.93	1.67	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-12 Instrumnet Name : P7
Client Sample ID : MDL-WATER-06-QT4-20 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:10:12 DataFile Name : 029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.37	0.36	0.37	0.37	2.40	ppb
Lead	207-1	0.38	0.38	0.38	0.38	0.56	ppb
Lead	208-1	0.38	0.38	0.38	0.38	0.18	ppb
Lithium	6-1				102		%
Magnesium	24-2	223.98	223.59	225.30	224.29	0.40	ppb
Manganese	55-2	0.76	0.77	0.77	0.77	1.25	ppb
Molybdenum	94-1	1.04	1.04	1.00	1.03	2.71	ppb
Molybdenum	95-1	0.40	0.38	0.40	0.39	2.49	ppb
Molybdenum	96-1	0.46	0.45	0.47	0.46	2.25	ppb
Molybdenum	97-1	0.38	0.40	0.38	0.38	2.51	ppb
Molybdenum	98-1	0.41	0.38	0.38	0.39	3.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.45	0.44	0.43	0.44	2.88	ppb
Phosphorus	31-2	-12.66	-9.41	-12.57	-11.55		ppb
Potassium	39-2	147.31	149.09	146.69	147.69	0.84	ppb
Rhodium	103-1				99		%
Rhodium	103-2				101		%
Scandium	45-1				96		%
Scandium	45-2				98		%
Selenium	82-1	6.60	5.63	5.94	6.05	8.24	ppb
Selenium	77-2	6.59	4.71	4.57	5.29	21.27	ppb
Selenium	78-2	4.26	3.77	6.80	4.94	32.96	ppb
Silicon	28-1	-19.61	-15.27	-17.65	-17.51		ppb
Silver	107-1	0.45	0.44	0.44	0.44	0.61	ppb
Silver	109-1	0.45	0.44	0.45	0.45	1.18	ppb
Sodium	23-2	230.86	232.27	231.60	231.58	0.30	ppb
Strontium	86-1	0.37	0.41	0.41	0.39	5.88	ppb
Strontium	88-1	0.38	0.40	0.39	0.39	2.15	ppb
Sulfur	34-1	-485.38	-434.07	-423.74	-447.73		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.40	0.39	0.38	0.39	2.57	ppb
Thallium	205-1	0.38	0.38	0.37	0.38	2.21	ppb
Tin	118-1	0.50	0.44	0.42	0.45	8.74	ppb
Titanium	47-1	0.43	0.40	0.40	0.41	3.54	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-12 Instrumnet Name : P7
Client Sample ID : MDL-WATER-06-QT4-20 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:10:12 DataFile Name : 029SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.35	0.35	0.34	0.35	0.94	ppb
Vanadium	51-2	0.41	0.44	0.40	0.42	5.22	ppb
Yttrium	89-1				99		%
Yttrium	89-2				100		%
Zinc	66-2	0.87	1.05	0.84	0.92	12.18	ppb
Zirconium	90-1	0.38	0.39	0.37	0.38	2.52	ppb
Zirconium	91-1	0.34	0.36	0.39	0.36	6.75	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4776-02 Instrumnet Name : P7
Client Sample ID : MDL-WATER-QT4-2024- Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:13:28 DataFile Name : 030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	8.64	8.34	8.53	8.50	1.79	ppb
Antimony	121-1	0.42	0.42	0.43	0.42	1.00	ppb
Arsenic	75-2	0.40	0.45	0.47	0.44	8.32	ppb
Barium	135-1	2.02	2.09	2.02	2.04	2.12	ppb
Barium	137-1	2.04	2.00	2.07	2.04	1.63	ppb
Beryllium	9-1	0.45	0.42	0.46	0.44	5.02	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.36	0.40	0.42	0.39	8.04	ppb
Cadmium	106-1	-0.02	-0.42	-1.24	-0.56		ppb
Cadmium	111-1	0.39	0.41	0.39	0.39	2.54	ppb
Calcium	43-1	238.72	229.18	223.75	230.55	3.29	ppb
Calcium	44-1	237.35	235.26	237.08	236.56	0.48	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.45	0.43	0.42	0.43	3.79	ppb
Cobalt	59-2	0.44	0.42	0.40	0.42	4.11	ppb
Copper	63-2	1.51	1.46	1.36	1.44	5.52	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				103		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				100		%
Iron	56-2	38.89	37.20	36.83	37.64	2.92	ppb
Iron	57-2	37.69	36.03	37.25	36.99	2.33	ppb
Iron	54-2	39.77	37.14	37.39	38.10	3.81	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4776-02 Instrumnet Name : P7
Client Sample ID : MDL-WATER-QT4-2024- Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:13:28 DataFile Name : 030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.39	0.39	0.38	0.39	1.19	ppb
Lead	207-1	0.40	0.43	0.42	0.42	2.96	ppb
Lead	208-1	0.39	0.39	0.40	0.39	1.24	ppb
Lithium	6-1				102		%
Magnesium	24-2	232.93	222.21	225.95	227.03	2.40	ppb
Manganese	55-2	0.84	0.83	0.80	0.82	2.41	ppb
Molybdenum	94-1	0.98	0.97	1.08	1.01	5.71	ppb
Molybdenum	95-1	0.35	0.37	0.38	0.37	4.45	ppb
Molybdenum	96-1	0.44	0.47	0.46	0.46	2.99	ppb
Molybdenum	97-1	0.40	0.38	0.39	0.39	2.26	ppb
Molybdenum	98-1	0.40	0.39	0.40	0.40	1.96	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.76	0.71	0.49	0.66	21.98	ppb
Phosphorus	31-2	-13.10	-13.79	-13.91	-13.60		ppb
Potassium	39-2	159.45	149.73	149.90	153.03	3.64	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				96		%
Scandium	45-2				97		%
Selenium	82-1	6.37	5.93	6.45	6.25	4.52	ppb
Selenium	77-2	5.30	7.07	7.86	6.74	19.46	ppb
Selenium	78-2	7.98	4.06	4.01	5.35	42.61	ppb
Silicon	28-1	-16.40	-16.27	-16.05	-16.24		ppb
Silver	107-1	0.45	0.44	0.43	0.44	2.60	ppb
Silver	109-1	0.44	0.45	0.45	0.45	1.19	ppb
Sodium	23-2	246.01	232.49	233.62	237.37	3.16	ppb
Strontium	86-1	0.39	0.41	0.39	0.40	3.46	ppb
Strontium	88-1	0.40	0.40	0.41	0.40	0.72	ppb
Sulfur	34-1	-348.56	-378.71	-304.66	-343.97		ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	0.41	0.37	0.38	0.39	4.94	ppb
Thallium	205-1	0.38	0.38	0.38	0.38	0.04	ppb
Tin	118-1	0.46	0.45	0.49	0.47	4.56	ppb
Titanium	47-1	0.42	0.38	0.41	0.40	5.84	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4776-02 Instrumnet Name : P7
Client Sample ID : MDL-WATER-QT4-2024- Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:13:28 DataFile Name : 030SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.34	0.36	0.34	0.35	2.48	ppb
Vanadium	51-2	0.41	0.41	0.42	0.41	1.24	ppb
Yttrium	89-1				100		%
Yttrium	89-2				98		%
Zinc	66-2	1.16	1.08	1.09	1.11	3.52	ppb
Zirconium	90-1	0.38	0.38	0.38	0.38	0.46	ppb
Zirconium	91-1	0.40	0.39	0.46	0.41	9.16	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4776-04 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-QT4-2024-08 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:16:47 DataFile Name : 031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7.87	8.58	8.31	8.25	4.32	ppb
Antimony	121-1	0.43	0.43	0.43	0.43	0.52	ppb
Arsenic	75-2	0.43	0.38	0.43	0.41	6.97	ppb
Barium	135-1	2.07	2.02	2.04	2.05	1.18	ppb
Barium	137-1	1.99	1.99	2.04	2.01	1.32	ppb
Beryllium	9-1	0.41	0.49	0.43	0.44	9.07	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.35	0.34	0.44	0.38	14.69	ppb
Cadmium	106-1	-1.06	-0.82	-0.61	-0.83		ppb
Cadmium	111-1	0.41	0.41	0.43	0.42	2.52	ppb
Calcium	43-1	236.54	233.62	238.43	236.20	1.03	ppb
Calcium	44-1	231.71	239.74	238.08	236.51	1.79	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.42	0.42	0.44	0.42	2.69	ppb
Cobalt	59-2	0.42	0.44	0.43	0.43	2.39	ppb
Copper	63-2	4.21	4.10	4.13	4.15	1.41	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	56-2	37.47	37.59	37.39	37.48	0.26	ppb
Iron	57-2	34.28	38.04	38.86	37.06	6.58	ppb
Iron	54-2	37.94	37.57	37.14	37.55	1.07	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4776-04 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-QT4-2024-08 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:16:47 DataFile Name : 031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.44	0.46	0.47	0.46	3.28	ppb
Lead	207-1	0.46	0.46	0.47	0.46	1.10	ppb
Lead	208-1	0.46	0.46	0.46	0.46	0.22	ppb
Lithium	6-1				102		%
Magnesium	24-2	225.80	228.67	225.72	226.73	0.74	ppb
Manganese	55-2	0.85	0.83	0.80	0.82	2.97	ppb
Molybdenum	94-1	0.98	1.01	0.99	1.00	1.69	ppb
Molybdenum	95-1	0.40	0.41	0.37	0.39	4.92	ppb
Molybdenum	96-1	0.43	0.43	0.48	0.45	6.04	ppb
Molybdenum	97-1	0.41	0.39	0.38	0.39	3.79	ppb
Molybdenum	98-1	0.42	0.39	0.43	0.41	4.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.75	1.84	1.75	1.78	3.14	ppb
Phosphorus	31-2	-9.24	-13.71	-8.19	-10.38		ppb
Potassium	39-2	152.86	155.01	154.41	154.09	0.72	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				97		%
Scandium	45-2				98		%
Selenium	82-1	6.48	6.34	6.25	6.36	1.77	ppb
Selenium	77-2	7.13	5.52	5.20	5.95	17.40	ppb
Selenium	78-2	5.84	5.52	5.32	5.56	4.69	ppb
Silicon	28-1	-21.55	-15.83	-14.48	-17.29		ppb
Silver	107-1	0.45	0.44	0.44	0.44	1.65	ppb
Silver	109-1	0.43	0.47	0.45	0.45	4.39	ppb
Sodium	23-2	236.11	234.77	233.17	234.68	0.63	ppb
Strontium	86-1	0.42	0.38	0.37	0.39	5.84	ppb
Strontium	88-1	0.38	0.40	0.40	0.40	2.42	ppb
Sulfur	34-1	-443.38	-228.68	-166.23	-279.43		ppb
Terbium	159-1				103		%
Terbium	159-2				102		%
Thallium	203-1	0.37	0.38	0.41	0.39	5.47	ppb
Thallium	205-1	0.39	0.39	0.38	0.39	1.21	ppb
Tin	118-1	0.47	0.51	0.50	0.49	3.62	ppb
Titanium	47-1	0.45	0.45	0.48	0.46	3.96	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4776-04 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-QT4-2024-08 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:16:47 DataFile Name : 031SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.34	0.35	0.35	0.35	0.93	ppb
Vanadium	51-2	0.43	0.43	0.38	0.42	6.66	ppb
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	1.99	1.84	2.04	1.96	5.37	ppb
Zirconium	90-1	0.39	0.40	0.39	0.39	1.06	ppb
Zirconium	91-1	0.37	0.42	0.39	0.39	6.78	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166507BL Instrumnet Name : P7
Client Sample ID : PBW507 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:20:04 DataFile Name : 032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.10	0.11	0.00	0.01	1737.45	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	40.41	ppb
Arsenic	75-2	0.00	-0.01	0.01	0.00	417.02	ppb
Barium	135-1	0.00	0.00	0.00	0.00	1135.10	ppb
Barium	137-1	0.01	0.00	0.00	0.00	589.90	ppb
Beryllium	9-1	0.01	-0.02	0.04	0.01	265.45	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.01	-0.03	0.01	0.00		ppb
Cadmium	106-1	0.06	-1.31	-1.76	-1.00		ppb
Cadmium	111-1	0.00	-0.02	-0.04	-0.02		ppb
Calcium	43-1	2.24	-2.69	-0.21	-0.22		ppb
Calcium	44-1	-0.66	-0.07	0.16	-0.19		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	-0.05	-0.01	-0.03		ppb
Cobalt	59-2	-0.01	0.00	0.00	0.00		ppb
Copper	63-2	0.01	-0.04	-0.01	-0.01		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				99		%
Iron	56-2	-0.01	0.00	0.07	0.02	207.70	ppb
Iron	57-2	-2.04	-1.05	0.27	-0.94		ppb
Iron	54-2	0.29	-0.52	-0.16	-0.13		ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166507BL Instrumnet Name : P7
Client Sample ID : PBW507 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:20:04 DataFile Name : 032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.01	0.00	0.01	0.01	88.92	ppb
Lead	207-1	0.02	0.01	0.01	0.01	36.36	ppb
Lead	208-1	0.01	0.01	0.01	0.01	36.58	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.22	0.34	0.63	0.39	53.50	ppb
Manganese	55-2	-0.01	-0.01	0.02	0.00		ppb
Molybdenum	94-1	0.00	0.02	0.00	0.00	280.05	ppb
Molybdenum	95-1	0.00	-0.01	0.01	0.00	4466.68	ppb
Molybdenum	96-1	0.00	0.00	-0.01	0.00		ppb
Molybdenum	97-1	-0.01	0.00	-0.01	-0.01		ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	-0.06	-0.10	-0.05		ppb
Phosphorus	31-2	-24.17	-27.29	-23.31	-24.92		ppb
Potassium	39-2	0.99	-0.95	1.83	0.62	228.87	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				96		%
Scandium	45-2				97		%
Selenium	82-1	-0.40	0.18	-0.10	-0.11		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-1.10	-0.40	-1.69	-1.06		ppb
Silicon	28-1	-13.37	-15.62	-15.16	-14.72		ppb
Silver	107-1	0.00	0.00	0.00	0.00		ppb
Silver	109-1	0.00	0.00	0.00	0.00	493.20	ppb
Sodium	23-2	5.89	6.40	6.26	6.18	4.28	ppb
Strontium	86-1	0.00	0.01	0.00	0.00	99.05	ppb
Strontium	88-1	0.00	0.00	0.00	0.00	109.08	ppb
Sulfur	34-1	-153.16	-244.88	-241.32	-213.12		ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	0.01	0.01	0.01	0.01	21.20	ppb
Thallium	205-1	0.01	0.01	0.02	0.01	19.90	ppb
Tin	118-1	0.01	-0.01	0.00	0.00	694.74	ppb
Titanium	47-1	0.02	0.03	0.02	0.02	41.89	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166507BL Instrumnet Name : P7
Client Sample ID : PBW507 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:20:04 DataFile Name : 032CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	56.22	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				98		%
Yttrium	89-2				99		%
Zinc	66-2	0.11	0.13	0.12	0.12	7.51	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	80.32	ppb
Zirconium	91-1	0.01	-0.01	0.00	0.00	223.96	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV016 Instrumnet Name : P7
Client Sample ID : CCV016 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:26:13 DataFile Name : 033CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49714.58	49123.41	48737.11	49191.70	1.00	ppb
Antimony	121-1	515.36	508.27	516.85	513.49	0.89	ppb
Arsenic	75-2	497.31	495.81	496.37	496.50	0.15	ppb
Barium	135-1	2591.11	2604.32	2606.99	2600.81	0.33	ppb
Barium	137-1	2588.75	2621.83	2616.34	2608.98	0.68	ppb
Beryllium	9-1	530.20	520.75	523.92	524.96	0.92	ppb
Bismuth	209-1				93		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	506.70	501.21	514.79	507.57	1.35	ppb
Cadmium	106-1	516.22	503.58	505.31	508.37	1.35	ppb
Cadmium	111-1	484.95	477.89	488.49	483.78	1.12	ppb
Calcium	43-1	241418.60	240524.73	243747.69	241897.01	0.69	ppb
Calcium	44-1	240728.52	238277.96	243078.46	240694.98	1.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	508.24	501.73	500.35	503.44	0.84	ppb
Cobalt	59-2	500.91	491.17	493.05	495.04	1.04	ppb
Copper	63-2	4882.27	4772.92	4810.44	4821.88	1.15	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				97		%
Holmium	165-2				98		%
Indium	115-1				88		%
Indium	115-2				87		%
Iron	56-2	127642.36	124564.34	125675.57	125960.76	1.24	ppb
Iron	57-2	125509.13	123065.61	123811.77	124128.84	1.01	ppb
Iron	54-2	126147.86	125676.93	126021.26	125948.68	0.19	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV016 Instrumnet Name : P7
Client Sample ID : CCV016 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:26:13 DataFile Name : 033CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2620.20	2551.49	2616.18	2595.96	1.49	ppb
Lead	207-1	2611.86	2553.62	2620.74	2595.41	1.40	ppb
Lead	208-1	2609.36	2565.82	2612.08	2595.75	1.00	ppb
Lithium	6-1				99		%
Magnesium	24-2	249068.98	245581.73	243558.32	246069.68	1.13	ppb
Manganese	55-2	5023.76	4944.14	5039.26	5002.39	1.02	ppb
Molybdenum	94-1	5194.28	5126.44	5162.37	5161.03	0.66	ppb
Molybdenum	95-1	5202.52	5147.57	5168.72	5172.94	0.54	ppb
Molybdenum	96-1	5237.52	5182.05	5146.81	5188.79	0.88	ppb
Molybdenum	97-1	5199.05	5171.75	5082.99	5151.26	1.18	ppb
Molybdenum	98-1	5215.62	5164.23	5134.71	5171.52	0.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	491.34	483.66	483.25	486.08	0.94	ppb
Phosphorus	31-2	10320.27	10132.51	10119.48	10190.75	1.10	ppb
Potassium	39-2	122273.95	121077.95	120569.27	121307.06	0.72	ppb
Rhodium	103-1				83		%
Rhodium	103-2				84		%
Scandium	45-1				85		%
Scandium	45-2				88		%
Selenium	82-1	487.50	490.45	488.06	488.67	0.32	ppb
Selenium	77-2	474.47	472.56	496.99	481.34	2.82	ppb
Selenium	78-2	485.68	484.40	476.31	482.13	1.05	ppb
Silicon	28-1	545.86	544.89	558.52	549.76	1.38	ppb
Silver	107-1	505.71	493.71	503.96	501.13	1.29	ppb
Silver	109-1	509.82	501.52	500.35	503.90	1.02	ppb
Sodium	23-2	248496.70	241069.92	244210.25	244592.29	1.52	ppb
Strontium	86-1	503.80	501.96	502.55	502.77	0.19	ppb
Strontium	88-1	516.04	515.78	517.86	516.56	0.22	ppb
Sulfur	34-1	10538.05	10267.22	10389.93	10398.40	1.30	ppb
Terbium	159-1				97		%
Terbium	159-2				97		%
Thallium	203-1	522.70	517.76	534.24	524.90	1.61	ppb
Thallium	205-1	520.98	508.43	527.82	519.08	1.89	ppb
Tin	118-1	515.25	513.13	523.34	517.24	1.04	ppb
Titanium	47-1	5174.59	5092.99	5151.88	5139.82	0.82	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV016 Instrumnet Name : P7
Client Sample ID : CCV016 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:26:13 DataFile Name : 033CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	532.97	529.57	535.97	532.84	0.60	ppb
Vanadium	51-2	515.24	503.71	510.68	509.88	1.14	ppb
Yttrium	89-1				89		%
Yttrium	89-2				89		%
Zinc	66-2	4864.88	4698.21	4750.20	4771.10	1.79	ppb
Zirconium	90-1	519.26	519.47	516.30	518.35	0.34	ppb
Zirconium	91-1	522.23	514.90	516.57	517.90	0.74	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB016 Instrumnet Name : P7
Client Sample ID : CCB016 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:28:59 DataFile Name : 034CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	4.79	4.94	4.83	4.86	1.60	ppb
Antimony	121-1	0.08	0.07	0.08	0.08	11.70	ppb
Arsenic	75-2	0.05	0.04	0.08	0.06	39.98	ppb
Barium	135-1	0.18	0.14	0.20	0.17	18.27	ppb
Barium	137-1	0.17	0.19	0.17	0.18	6.24	ppb
Beryllium	9-1	0.09	0.12	0.11	0.11	13.68	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.10	-0.01	0.01	0.03	161.10	ppb
Cadmium	106-1	-2.84	-3.27	-4.32	-3.48		ppb
Cadmium	111-1	-0.03	-0.02	-0.04	-0.03		ppb
Calcium	43-1	17.27	19.20	17.76	18.07	5.55	ppb
Calcium	44-1	18.01	17.85	19.46	18.44	4.81	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.04	0.06	0.05	0.05	14.27	ppb
Cobalt	59-2	0.03	0.06	0.05	0.05	25.44	ppb
Copper	63-2	0.49	0.49	0.52	0.50	2.90	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				99		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	12.12	12.74	13.63	12.83	5.93	ppb
Iron	57-2	11.58	10.61	9.69	10.63	8.92	ppb
Iron	54-2	12.21	12.85	13.29	12.78	4.24	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB016 Instrumnet Name : P7
Client Sample ID : CCB016 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:28:59 DataFile Name : 034CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.24	0.22	0.21	0.22	8.01	ppb
Lead	207-1	0.23	0.22	0.24	0.23	5.51	ppb
Lead	208-1	0.24	0.22	0.22	0.22	4.88	ppb
Lithium	6-1				102		%
Magnesium	24-2	23.07	24.69	24.18	23.98	3.45	ppb
Manganese	55-2	0.59	0.57	0.60	0.59	1.99	ppb
Molybdenum	94-1	0.40	0.40	0.44	0.41	6.48	ppb
Molybdenum	95-1	0.42	0.46	0.42	0.43	5.74	ppb
Molybdenum	96-1	0.38	0.42	0.38	0.39	5.54	ppb
Molybdenum	97-1	0.43	0.36	0.41	0.40	8.80	ppb
Molybdenum	98-1	0.40	0.40	0.43	0.41	3.43	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	-0.03	-0.03	-0.02		ppb
Phosphorus	31-2	-19.23	-18.90	-20.62	-19.58		ppb
Potassium	39-2	11.53	11.96	12.76	12.08	5.17	ppb
Rhodium	103-1				92		%
Rhodium	103-2				94		%
Scandium	45-1				86		%
Scandium	45-2				90		%
Selenium	82-1	0.02	-0.11	-0.07	-0.05		ppb
Selenium	77-2	0.43	0.00	0.22	0.22	99.25	ppb
Selenium	78-2	-1.00	-1.14	-1.49	-1.21		ppb
Silicon	28-1	-28.20	-30.56	-26.00	-28.25		ppb
Silver	107-1	0.06	0.06	0.05	0.06	9.66	ppb
Silver	109-1	0.06	0.06	0.06	0.06	0.84	ppb
Sodium	23-2	57.18	54.24	57.33	56.25	3.09	ppb
Strontium	86-1	0.04	0.03	0.04	0.03	17.03	ppb
Strontium	88-1	0.04	0.04	0.04	0.04	2.78	ppb
Sulfur	34-1	-633.27	-687.15	-596.88	-639.10		ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	0.07	0.06	0.06	0.06	9.56	ppb
Thallium	205-1	0.06	0.06	0.06	0.06	4.63	ppb
Tin	118-1	0.09	0.09	0.06	0.08	21.76	ppb
Titanium	47-1	0.36	0.31	0.35	0.34	7.29	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB016 Instrumnet Name : P7
Client Sample ID : CCB016 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:28:59 DataFile Name : 034CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.03	0.03	0.04	0.03	5.61	ppb
Vanadium	51-2	0.04	0.04	0.04	0.04	9.78	ppb
Yttrium	89-1				92		%
Yttrium	89-2				94		%
Zinc	66-2	0.60	0.63	0.58	0.60	4.05	ppb
Zirconium	90-1	0.06	0.05	0.04	0.05	17.03	ppb
Zirconium	91-1	0.06	0.07	0.06	0.06	6.06	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166507BS Instrumnet Name : P7
Client Sample ID : LCS507 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:48:32 DataFile Name : 039LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	37.97	40.89	38.49	39.12	3.98	ppb
Antimony	121-1	4.11	4.07	4.11	4.10	0.63	ppb
Arsenic	75-2	2.23	2.34	2.28	2.28	2.41	ppb
Barium	135-1	19.71	19.98	19.56	19.75	1.08	ppb
Barium	137-1	19.67	20.00	19.98	19.88	0.93	ppb
Beryllium	9-1	2.18	2.34	2.27	2.26	3.58	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.38	2.47	2.05	2.30	9.52	ppb
Cadmium	106-1	-0.74	-0.42	0.11	-0.35		ppb
Cadmium	111-1	2.02	2.14	2.15	2.10	3.30	ppb
Calcium	43-1	1035.88	1039.19	1006.33	1027.13	1.76	ppb
Calcium	44-1	1026.60	1020.92	1023.20	1023.57	0.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.05	4.03	4.03	4.04	0.33	ppb
Cobalt	59-2	2.17	2.11	2.15	2.14	1.55	ppb
Copper	63-2	4.47	4.53	4.43	4.48	1.13	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	56-2	427.28	424.67	424.93	425.63	0.34	ppb
Iron	57-2	419.61	437.00	425.97	427.53	2.06	ppb
Iron	54-2	433.31	439.63	442.07	438.34	1.03	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166507BS Instrumnet Name : P7
Client Sample ID : LCS507 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:48:32 DataFile Name : 039LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.92	1.87	1.91	1.90	1.30	ppb
Lead	207-1	1.88	1.92	1.89	1.90	1.25	ppb
Lead	208-1	1.89	1.88	1.88	1.89	0.46	ppb
Lithium	6-1				101		%
Magnesium	24-2	916.67	924.40	924.17	921.75	0.48	ppb
Manganese	55-2	2.00	2.10	2.09	2.06	2.65	ppb
Molybdenum	94-1	11.99	11.90	11.67	11.85	1.36	ppb
Molybdenum	95-1	9.97	10.02	9.85	9.94	0.88	ppb
Molybdenum	96-1	10.15	10.16	9.97	10.09	1.03	ppb
Molybdenum	97-1	9.87	9.92	9.89	9.89	0.22	ppb
Molybdenum	98-1	9.84	9.95	10.04	9.94	1.00	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1.92	2.32	2.29	2.18	10.36	ppb
Phosphorus	31-2	25.02	28.03	31.62	28.22	11.71	ppb
Potassium	39-2	1031.15	1041.09	1046.81	1039.68	0.76	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				92		%
Scandium	45-2				95		%
Selenium	82-1	11.82	11.73	11.29	11.61	2.46	ppb
Selenium	77-2	8.60	12.48	12.24	11.11	19.61	ppb
Selenium	78-2	10.07	10.55	11.19	10.60	5.34	ppb
Silicon	28-1	-3.79	-5.62	-4.41	-4.61		ppb
Silver	107-1	2.18	2.16	2.16	2.17	0.43	ppb
Silver	109-1	2.15	2.19	2.07	2.14	2.93	ppb
Sodium	23-2	976.11	993.78	987.18	985.69	0.91	ppb
Strontium	86-1	1.91	2.00	1.96	1.96	2.08	ppb
Strontium	88-1	1.98	2.01	1.99	1.99	0.85	ppb
Sulfur	34-1	-331.84	-328.78	-276.04	-312.22		ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	1.92	1.92	1.94	1.93	0.39	ppb
Thallium	205-1	1.87	1.90	1.85	1.87	1.39	ppb
Tin	118-1	10.30	10.24	10.14	10.23	0.79	ppb
Titanium	47-1	12.28	12.58	12.46	12.44	1.21	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166507BS Instrumnet Name : P7
Client Sample ID : LCS507 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:48:32 DataFile Name : 039LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.74	1.71	1.71	1.72	0.92	ppb
Vanadium	51-2	10.45	10.60	10.33	10.46	1.28	ppb
Yttrium	89-1				96		%
Yttrium	89-2				98		%
Zinc	66-2	10.32	10.46	10.33	10.37	0.73	ppb
Zirconium	90-1	1.95	1.98	1.99	1.98	1.22	ppb
Zirconium	91-1	1.95	1.97	1.97	1.96	0.66	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166509BL Instrumnet Name : P7
Client Sample ID : PBS509 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:51:47 DataFile Name : 040CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.65	0.40	0.47	0.51	24.68	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	27.14	ppb
Arsenic	75-2	0.01	-0.02	-0.01	-0.01		ppb
Barium	135-1	0.00	-0.01	0.00	0.00		ppb
Barium	137-1	0.00	0.00	0.00	0.00	233.92	ppb
Beryllium	9-1	-0.02	0.00	-0.01	-0.01		ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	0.01	0.03	0.03	47.66	ppb
Cadmium	106-1	0.20	-1.88	-0.92	-0.87		ppb
Cadmium	111-1	0.00	-0.04	-0.02	-0.02		ppb
Calcium	43-1	-0.64	0.37	1.09	0.27	315.94	ppb
Calcium	44-1	-0.47	-0.21	-0.89	-0.52		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.02	-0.04	-0.02		ppb
Cobalt	59-2	0.00	0.00	0.01	0.00	194.55	ppb
Copper	63-2	-0.01	-0.01	0.00	0.00		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	56-2	0.06	-0.16	-0.13	-0.07		ppb
Iron	57-2	-2.76	-1.89	-2.18	-2.27		ppb
Iron	54-2	-0.79	-1.19	0.72	-0.42		ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166509BL Instrumnet Name : P7
Client Sample ID : PBS509 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:51:47 DataFile Name : 040CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.02	0.01	0.02	0.02	39.68	ppb
Lead	207-1	0.02	0.02	0.03	0.02	14.89	ppb
Lead	208-1	0.02	0.02	0.02	0.02	5.91	ppb
Lithium	6-1				101		%
Magnesium	24-2	0.13	0.34	0.44	0.30	53.04	ppb
Manganese	55-2	0.01	0.02	-0.01	0.01	230.50	ppb
Molybdenum	94-1	0.01	0.00	0.00	0.00	187.94	ppb
Molybdenum	95-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	96-1	0.00	0.00	-0.01	0.00		ppb
Molybdenum	97-1	0.00	0.00	0.00	0.00		ppb
Molybdenum	98-1	0.00	0.00	0.00	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	-0.08	-0.11	-0.06		ppb
Phosphorus	31-2	-20.89	-21.61	-17.59	-20.03		ppb
Potassium	39-2	-2.26	-4.74	-3.33	-3.44		ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				93		%
Scandium	45-2				95		%
Selenium	82-1	-0.10	-0.30	0.05	-0.12		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-1.38	-0.75	-1.10	-1.08		ppb
Silicon	28-1	-22.03	-20.46	-21.62	-21.37		ppb
Silver	107-1	0.00	0.00	0.00	0.00	85.92	ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	6.40	6.75	6.08	6.41	5.22	ppb
Strontium	86-1	-0.01	-0.01	-0.02	-0.01		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-387.72	-288.81	-257.16	-311.23		ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	0.03	0.03	0.03	0.03	8.26	ppb
Thallium	205-1	0.03	0.03	0.03	0.03	9.17	ppb
Tin	118-1	0.00	-0.01	0.00	-0.01		ppb
Titanium	47-1	0.03	0.02	0.00	0.01	121.25	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166509BL Instrumnet Name : P7
Client Sample ID : PBS509 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:51:47 DataFile Name : 040CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				97		%
Yttrium	89-2				98		%
Zinc	66-2	-0.01	0.09	0.08	0.05	101.55	ppb
Zirconium	90-1	0.01	0.00	0.00	0.01	58.24	ppb
Zirconium	91-1	0.00	0.00	-0.01	0.00	10208.16	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166509BS Instrumnet Name : P7
Client Sample ID : LCS509 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:55:06 DataFile Name : 041LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	42.74	42.23	41.01	41.99	2.11	ppb
Antimony	121-1	4.52	4.39	4.42	4.44	1.52	ppb
Arsenic	75-2	2.43	2.52	2.27	2.41	5.18	ppb
Barium	135-1	21.83	21.48	21.72	21.68	0.83	ppb
Barium	137-1	21.44	21.64	21.23	21.44	0.94	ppb
Beryllium	9-1	2.25	2.45	2.43	2.38	4.61	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	2.26	2.37	2.42	2.35	3.55	ppb
Cadmium	106-1	1.76	1.17	1.48	1.47	20.11	ppb
Cadmium	111-1	2.34	2.30	2.36	2.33	1.27	ppb
Calcium	43-1	1069.81	1107.50	1102.81	1093.37	1.88	ppb
Calcium	44-1	1091.19	1101.81	1093.43	1095.48	0.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.24	4.26	4.16	4.22	1.22	ppb
Cobalt	59-2	2.26	2.32	2.30	2.29	1.36	ppb
Copper	63-2	4.81	4.74	4.77	4.77	0.71	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				101		%
Indium	115-1				98		%
Indium	115-2				98		%
Iron	56-2	453.48	450.41	446.19	450.02	0.81	ppb
Iron	57-2	463.39	452.83	459.29	458.50	1.16	ppb
Iron	54-2	473.69	463.18	469.19	468.68	1.12	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166509BS Instrumnet Name : P7
Client Sample ID : LCS509 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:55:06 DataFile Name : 041LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	1.98	2.02	2.03	2.01	1.31	ppb
Lead	207-1	1.93	2.05	2.03	2.00	3.22	ppb
Lead	208-1	1.96	2.04	2.01	2.00	2.07	ppb
Lithium	6-1				101		%
Magnesium	24-2	985.17	984.52	985.31	985.00	0.04	ppb
Manganese	55-2	2.22	2.16	2.13	2.17	2.05	ppb
Molybdenum	94-1	12.57	12.64	12.44	12.55	0.79	ppb
Molybdenum	95-1	10.57	10.64	10.38	10.53	1.28	ppb
Molybdenum	96-1	10.79	10.72	10.71	10.74	0.40	ppb
Molybdenum	97-1	10.56	10.60	10.64	10.60	0.37	ppb
Molybdenum	98-1	10.63	10.64	10.60	10.62	0.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.10	2.29	2.27	2.22	4.82	ppb
Phosphorus	31-2	31.20	32.47	34.40	32.69	4.92	ppb
Potassium	39-2	1113.50	1117.16	1113.97	1114.88	0.18	ppb
Rhodium	103-1				96		%
Rhodium	103-2				98		%
Scandium	45-1				93		%
Scandium	45-2				95		%
Selenium	82-1	11.76	10.75	11.32	11.28	4.48	ppb
Selenium	77-2	12.79	9.79	10.59	11.05	14.08	ppb
Selenium	78-2	8.88	11.48	9.93	10.10	12.96	ppb
Silicon	28-1	0.18	3.12	-0.17	1.04	173.67	ppb
Silver	107-1	2.33	2.30	2.31	2.32	0.70	ppb
Silver	109-1	2.31	2.32	2.30	2.31	0.46	ppb
Sodium	23-2	1057.00	1048.00	1053.44	1052.81	0.43	ppb
Strontium	86-1	2.11	2.12	2.07	2.10	1.19	ppb
Strontium	88-1	2.13	2.11	2.12	2.12	0.56	ppb
Sulfur	34-1	-173.21	-139.39	-130.79	-147.79		ppb
Terbium	159-1				101		%
Terbium	159-2				101		%
Thallium	203-1	2.05	2.07	2.01	2.04	1.54	ppb
Thallium	205-1	1.99	2.06	2.04	2.03	1.60	ppb
Tin	118-1	11.14	11.28	11.04	11.15	1.09	ppb
Titanium	47-1	12.82	12.62	12.49	12.64	1.33	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166509BS Instrumnet Name : P7
Client Sample ID : LCS509 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:55:06 DataFile Name : 041LCSE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	1.85	1.90	1.82	1.86	2.17	ppb
Vanadium	51-2	11.17	11.17	11.03	11.12	0.71	ppb
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	11.18	11.26	11.47	11.30	1.31	ppb
Zirconium	90-1	2.12	2.09	2.08	2.10	1.09	ppb
Zirconium	91-1	2.11	2.10	2.12	2.11	0.49	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166539BL Instrumnet Name : P7
Client Sample ID : PBS539 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:58:21 DataFile Name : 042CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.00	0.33	0.00	0.11	175.39	ppb
Antimony	121-1	0.00	0.00	0.00	0.00	112.18	ppb
Arsenic	75-2	-0.01	-0.01	-0.01	-0.01		ppb
Barium	135-1	0.01	0.00	-0.01	0.00	319.48	ppb
Barium	137-1	0.00	0.01	0.01	0.00	148.67	ppb
Beryllium	9-1	0.01	0.01	0.01	0.01	41.88	ppb
Bismuth	209-1				101		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	0.03	-0.05	-0.01		ppb
Cadmium	106-1	-1.08	-1.30	-1.84	-1.40		ppb
Cadmium	111-1	-0.03	-0.03	-0.04	-0.03		ppb
Calcium	43-1	1.88	2.26	-1.67	0.82	263.67	ppb
Calcium	44-1	0.13	-0.09	-0.60	-0.18		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.04	-0.04	-0.04	-0.04		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	988.81	ppb
Copper	63-2	-0.02	-0.01	-0.01	-0.01		ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				98		%
Indium	115-2				99		%
Iron	56-2	-0.01	-0.21	-0.12	-0.11		ppb
Iron	57-2	-2.44	-1.54	-0.40	-1.46		ppb
Iron	54-2	-1.19	-0.46	-0.63	-0.76		ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166539BL Instrumnet Name : P7
Client Sample ID : PBS539 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:58:21 DataFile Name : 042CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.03	0.01	0.01	0.01	76.42	ppb
Lead	207-1	0.01	0.02	0.02	0.02	24.23	ppb
Lead	208-1	0.03	0.02	0.02	0.02	39.39	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.02	0.54	0.05	0.20	144.94	ppb
Manganese	55-2	-0.01	-0.02	-0.01	-0.01		ppb
Molybdenum	94-1	-0.01	0.00	0.01	0.00	234.74	ppb
Molybdenum	95-1	-0.01	0.01	-0.01	0.00		ppb
Molybdenum	96-1	0.00	-0.01	0.00	0.00		ppb
Molybdenum	97-1	-0.01	0.00	0.00	0.00		ppb
Molybdenum	98-1	0.00	0.00	-0.01	0.00		ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.05	-0.09	-0.11	-0.08		ppb
Phosphorus	31-2	-22.03	-22.04	-19.46	-21.18		ppb
Potassium	39-2	-1.73	-2.54	-2.95	-2.41		ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				93		%
Scandium	45-2				95		%
Selenium	82-1	0.13	0.36	-0.50	0.00		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.45	0.49	1.04	0.36	209.84	ppb
Silicon	28-1	-16.68	-17.45	-16.15	-16.76		ppb
Silver	107-1	0.00	0.00	0.00	0.00	67.99	ppb
Silver	109-1	0.00	0.00	0.00	0.00		ppb
Sodium	23-2	5.66	4.83	6.38	5.62	13.78	ppb
Strontium	86-1	-0.02	0.01	0.00	0.00		ppb
Strontium	88-1	0.00	0.00	0.00	0.00		ppb
Sulfur	34-1	-135.84	-204.77	-246.76	-195.79		ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	0.03	0.02	0.02	0.03	23.25	ppb
Thallium	205-1	0.03	0.03	0.02	0.03	9.44	ppb
Tin	118-1	-0.01	-0.01	-0.01	-0.01		ppb
Titanium	47-1	0.03	0.00	0.03	0.02	76.20	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166539BL Instrumnet Name : P7
Client Sample ID : PBS539 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:58:21 DataFile Name : 042CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00		ppb
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	0.07	0.04	0.07	0.06	34.39	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	28.23	ppb
Zirconium	91-1	0.00	0.00	0.01	0.00	55.36	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166539BS Instrumnet Name : P7
Client Sample ID : LCS539 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:01:40 DataFile Name : 043LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9776.08	9729.18	9729.72	9744.99	0.28	ppb
Antimony	121-1	519.94	518.63	517.91	518.83	0.20	ppb
Arsenic	75-2	510.21	496.48	502.29	502.99	1.37	ppb
Barium	135-1	2568.48	2573.93	2614.48	2585.63	0.97	ppb
Barium	137-1	2582.57	2596.60	2554.19	2577.79	0.84	ppb
Beryllium	9-1	515.69	512.59	507.56	511.95	0.80	ppb
Bismuth	209-1				100		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	525.98	516.27	523.81	522.02	0.98	ppb
Cadmium	106-1	526.63	516.27	517.95	520.28	1.07	ppb
Cadmium	111-1	505.48	501.10	502.80	503.13	0.44	ppb
Calcium	43-1	50302.47	51084.77	50193.28	50526.84	0.96	ppb
Calcium	44-1	48553.11	48795.79	48546.97	48631.96	0.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	501.50	508.66	513.82	507.99	1.22	ppb
Cobalt	59-2	508.82	509.33	506.51	508.22	0.30	ppb
Copper	63-2	5065.69	5077.28	5048.64	5063.87	0.28	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				100		%
Indium	115-1				93		%
Indium	115-2				92		%
Iron	56-2	26047.83	25991.11	25861.03	25966.66	0.37	ppb
Iron	57-2	25512.40	25627.13	25833.21	25657.58	0.63	ppb
Iron	54-2	26428.25	26077.07	26246.41	26250.57	0.67	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166539BS Instrumnet Name : P7
Client Sample ID : LCS539 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:01:40 DataFile Name : 043LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2535.81	2497.27	2495.62	2509.56	0.91	ppb
Lead	207-1	2519.38	2529.74	2529.65	2526.26	0.24	ppb
Lead	208-1	2529.48	2519.15	2519.12	2522.59	0.24	ppb
Lithium	6-1				101		%
Magnesium	24-2	49037.49	48741.23	49191.65	48990.13	0.47	ppb
Manganese	55-2	5037.48	5096.02	5022.08	5051.86	0.77	ppb
Molybdenum	94-1	4996.91	5000.33	5061.63	5019.62	0.73	ppb
Molybdenum	95-1	5015.05	5033.65	5046.08	5031.59	0.31	ppb
Molybdenum	96-1	5002.14	5015.42	5093.60	5037.05	0.98	ppb
Molybdenum	97-1	4962.49	4987.66	5048.14	4999.43	0.88	ppb
Molybdenum	98-1	4994.34	5007.94	5030.96	5011.08	0.37	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	506.22	506.36	508.39	506.99	0.24	ppb
Phosphorus	31-2	10026.93	10029.96	10062.70	10039.86	0.20	ppb
Potassium	39-2	24716.94	24750.81	24742.02	24736.59	0.07	ppb
Rhodium	103-1				90		%
Rhodium	103-2				91		%
Scandium	45-1				88		%
Scandium	45-2				89		%
Selenium	82-1	505.70	500.82	506.14	504.22	0.59	ppb
Selenium	77-2	518.33	513.31	516.38	516.01	0.49	ppb
Selenium	78-2	506.72	502.60	499.51	502.94	0.72	ppb
Silicon	28-1	536.98	543.06	530.13	536.72	1.21	ppb
Silver	107-1	529.84	518.68	522.01	523.51	1.09	ppb
Silver	109-1	533.15	523.79	521.05	526.00	1.21	ppb
Sodium	23-2	49990.07	49556.44	49674.99	49740.50	0.45	ppb
Strontium	86-1	486.79	486.73	495.75	489.76	1.06	ppb
Strontium	88-1	506.79	504.31	504.80	505.30	0.26	ppb
Sulfur	34-1	10362.84	10415.50	10124.77	10301.04	1.50	ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	507.48	498.28	498.08	501.28	1.07	ppb
Thallium	205-1	503.40	498.58	498.30	500.09	0.57	ppb
Tin	118-1	517.86	517.60	516.93	517.47	0.09	ppb
Titanium	47-1	5110.26	5113.88	5050.48	5091.54	0.70	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166539BS Instrumnet Name : P7
Client Sample ID : LCS539 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:01:40 DataFile Name : 043LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	490.56	502.58	492.06	495.07	1.32	ppb
Vanadium	51-2	508.38	512.92	504.72	508.68	0.81	ppb
Yttrium	89-1				94		%
Yttrium	89-2				92		%
Zinc	66-2	5070.50	5083.77	5136.12	5096.80	0.68	ppb
Zirconium	90-1	503.32	502.44	504.44	503.40	0.20	ppb
Zirconium	91-1	502.88	505.05	499.20	502.38	0.59	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166515BL Instrumnet Name : P7
Client Sample ID : PBW515 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:04:25 DataFile Name : 044CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.23	0.18	0.29	0.23	23.99	ppb
Antimony	121-1	0.05	0.04	0.04	0.04	6.71	ppb
Arsenic	75-2	-0.02	0.00	-0.02	-0.01		ppb
Barium	135-1	0.01	0.01	0.00	0.01	93.94	ppb
Barium	137-1	0.02	0.01	0.01	0.01	47.84	ppb
Beryllium	9-1	0.06	0.04	0.06	0.05	27.20	ppb
Bismuth	209-1				101		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.05	-0.05	-0.05	-0.05		ppb
Cadmium	106-1	-3.13	-2.92	-3.98	-3.34		ppb
Cadmium	111-1	-0.05	-0.05	-0.07	-0.06		ppb
Calcium	43-1	0.05	0.64	0.97	0.56	83.98	ppb
Calcium	44-1	1.39	-0.28	-0.45	0.22	456.60	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	-0.03	-0.03	-0.03		ppb
Cobalt	59-2	0.00	-0.01	0.00	0.00		ppb
Copper	63-2	0.01	0.01	0.01	0.01	28.50	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				100		%
Holmium	165-2				99		%
Indium	115-1				94		%
Indium	115-2				95		%
Iron	56-2	-0.22	-0.19	-0.14	-0.18		ppb
Iron	57-2	-2.59	-1.14	-3.48	-2.40		ppb
Iron	54-2	-0.84	-1.36	0.35	-0.62		ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166515BL Instrumnet Name : P7
Client Sample ID : PBW515 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:04:25 DataFile Name : 044CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.06	0.04	0.03	0.05	34.36	ppb
Lead	207-1	0.05	0.06	0.04	0.05	18.65	ppb
Lead	208-1	0.05	0.05	0.03	0.04	24.76	ppb
Lithium	6-1				100		%
Magnesium	24-2	0.24	0.33	0.05	0.21	68.47	ppb
Manganese	55-2	0.03	0.04	0.04	0.04	10.31	ppb
Molybdenum	94-1	0.09	0.06	0.07	0.07	19.01	ppb
Molybdenum	95-1	0.08	0.07	0.07	0.07	8.03	ppb
Molybdenum	96-1	0.07	0.07	0.11	0.08	24.80	ppb
Molybdenum	97-1	0.07	0.07	0.05	0.06	17.82	ppb
Molybdenum	98-1	0.07	0.06	0.06	0.06	7.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.10	-0.15	-0.16	-0.14		ppb
Phosphorus	31-2	-22.92	-17.18	-23.70	-21.27		ppb
Potassium	39-2	-4.89	-5.88	-2.48	-4.42		ppb
Rhodium	103-1				92		%
Rhodium	103-2				95		%
Scandium	45-1				86		%
Scandium	45-2				90		%
Selenium	82-1	-0.70	0.40	-0.03	-0.11		ppb
Selenium	77-2	0.00	0.00	0.22	0.07	173.21	ppb
Selenium	78-2	-1.20	0.52	-0.85	-0.51		ppb
Silicon	28-1	-23.51	-26.14	-25.19	-24.95		ppb
Silver	107-1	0.02	0.02	0.02	0.02	13.22	ppb
Silver	109-1	0.02	0.02	0.02	0.02	12.67	ppb
Sodium	23-2	11.60	10.81	10.56	10.99	4.94	ppb
Strontium	86-1	0.00	-0.02	-0.01	-0.01		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	76.09	ppb
Sulfur	34-1	-794.65	-882.85	-825.75	-834.42		ppb
Terbium	159-1				100		%
Terbium	159-2				99		%
Thallium	203-1	0.02	0.02	0.02	0.02	9.96	ppb
Thallium	205-1	0.03	0.02	0.02	0.02	18.96	ppb
Tin	118-1	-0.01	-0.01	-0.02	-0.01		ppb
Titanium	47-1	0.09	0.07	0.03	0.06	40.92	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166515BL Instrumnet Name : P7
Client Sample ID : PBW515 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:04:25 DataFile Name : 044CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	13.02	ppb
Vanadium	51-2	0.00	0.00	0.00	0.00	211.47	ppb
Yttrium	89-1				92		%
Yttrium	89-2				94		%
Zinc	66-2	0.17	0.14	0.17	0.16	12.11	ppb
Zirconium	90-1	0.02	0.01	0.01	0.01	15.45	ppb
Zirconium	91-1	0.03	0.03	0.01	0.02	34.87	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166515BS Instrumnet Name : P7
Client Sample ID : LCS515 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:07:45 DataFile Name : 045LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9837.68	9681.69	9773.09	9764.16	0.80	ppb
Antimony	121-1	474.86	507.14	513.12	498.37	4.13	ppb
Arsenic	75-2	496.91	504.57	503.30	501.59	0.82	ppb
Barium	135-1	2329.94	2525.76	2570.84	2475.51	5.17	ppb
Barium	137-1	2347.60	2503.88	2551.99	2467.82	4.33	ppb
Beryllium	9-1	451.72	501.29	505.37	486.13	6.14	ppb
Bismuth	209-1				104		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	462.80	497.14	513.30	491.08	5.25	ppb
Cadmium	106-1	466.80	509.32	511.29	495.80	5.07	ppb
Cadmium	111-1	452.94	489.48	497.30	479.91	4.93	ppb
Calcium	43-1	45609.10	50552.73	50273.15	48811.66	5.69	ppb
Calcium	44-1	43724.85	48442.81	48913.70	47027.12	6.10	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	504.28	509.81	506.38	506.82	0.55	ppb
Cobalt	59-2	518.39	519.15	504.93	514.16	1.56	ppb
Copper	63-2	5067.27	5090.52	5013.53	5057.11	0.78	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				101		%
Indium	115-1				95		%
Indium	115-2				92		%
Iron	56-2	26268.46	25959.57	25760.15	25996.06	0.99	ppb
Iron	57-2	25734.48	25740.98	25702.86	25726.11	0.08	ppb
Iron	54-2	26335.03	26278.96	26249.72	26287.90	0.16	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166515BS Instrumnet Name : P7
Client Sample ID : LCS515 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:07:45 DataFile Name : 045LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2309.31	2475.18	2513.43	2432.64	4.46	ppb
Lead	207-1	2274.29	2454.12	2511.63	2413.35	5.13	ppb
Lead	208-1	2290.55	2470.22	2513.56	2424.78	4.88	ppb
Lithium	6-1				103		%
Magnesium	24-2	49806.19	49334.30	48923.32	49354.60	0.90	ppb
Manganese	55-2	5129.95	5072.56	5039.56	5080.69	0.90	ppb
Molybdenum	94-1	4516.73	4979.40	5010.57	4835.57	5.72	ppb
Molybdenum	95-1	4565.18	5021.54	5028.66	4871.79	5.45	ppb
Molybdenum	96-1	4573.97	4995.70	4982.05	4850.58	4.94	ppb
Molybdenum	97-1	4550.90	4972.68	4952.22	4825.27	4.93	ppb
Molybdenum	98-1	4586.43	4977.18	4997.73	4853.78	4.77	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	509.15	513.45	506.34	509.64	0.70	ppb
Phosphorus	31-2	10023.43	10092.17	9937.76	10017.79	0.77	ppb
Potassium	39-2	24785.78	24922.84	24706.58	24805.07	0.44	ppb
Rhodium	103-1				92		%
Rhodium	103-2				91		%
Scandium	45-1				89		%
Scandium	45-2				90		%
Selenium	82-1	454.09	497.15	497.46	482.90	5.17	ppb
Selenium	77-2	490.64	504.79	519.72	505.05	2.88	ppb
Selenium	78-2	503.60	503.31	512.05	506.32	0.98	ppb
Silicon	28-1	465.43	528.87	529.90	508.07	7.27	ppb
Silver	107-1	473.77	505.79	518.69	499.42	4.63	ppb
Silver	109-1	474.07	515.11	511.94	500.37	4.56	ppb
Sodium	23-2	49778.16	50318.22	49714.27	49936.88	0.66	ppb
Strontium	86-1	442.17	489.15	489.35	473.56	5.74	ppb
Strontium	88-1	457.23	499.19	505.26	487.22	5.37	ppb
Sulfur	34-1	8244.41	9554.92	9667.14	9155.49	8.64	ppb
Terbium	159-1				105		%
Terbium	159-2				101		%
Thallium	203-1	457.93	497.41	505.86	487.07	5.25	ppb
Thallium	205-1	462.48	492.52	498.94	484.65	4.02	ppb
Tin	118-1	466.10	506.66	512.36	495.04	5.10	ppb
Titanium	47-1	4536.14	5019.55	5097.48	4884.39	6.23	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166515BS Instrumnet Name : P7
Client Sample ID : LCS515 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:07:45 DataFile Name : 045LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	448.41	490.66	498.98	479.35	5.66	ppb
Vanadium	51-2	513.00	508.35	503.94	508.43	0.89	ppb
Yttrium	89-1				96		%
Yttrium	89-2				94		%
Zinc	66-2	5107.66	5163.50	5080.98	5117.38	0.82	ppb
Zirconium	90-1	451.93	492.27	502.89	482.36	5.57	ppb
Zirconium	91-1	453.34	498.42	501.07	484.28	5.54	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166519BL Instrumnet Name : P7
Client Sample ID : PBW519 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:10:26 DataFile Name : 046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.21	0.51	0.33	0.35	42.49	ppb
Antimony	121-1	0.05	0.05	0.05	0.05	7.20	ppb
Arsenic	75-2	0.02	-0.01	-0.01	0.00	462.63	ppb
Barium	135-1	0.02	0.02	0.03	0.03	17.74	ppb
Barium	137-1	0.02	0.02	0.01	0.02	29.40	ppb
Beryllium	9-1	0.10	0.06	0.07	0.08	27.68	ppb
Bismuth	209-1				103		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.03	0.06	0.01	0.01	318.34	ppb
Cadmium	106-1	-2.68	-2.38	-3.39	-2.81		ppb
Cadmium	111-1	-0.03	-0.04	-0.06	-0.04		ppb
Calcium	43-1	-1.60	0.95	-0.73	-0.46		ppb
Calcium	44-1	0.40	-0.21	0.27	0.15	213.73	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	-0.02	0.01	-0.01		ppb
Cobalt	59-2	0.01	0.00	0.00	0.00	112.59	ppb
Copper	63-2	0.07	0.02	0.06	0.05	58.09	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				100		%
Indium	115-1				95		%
Indium	115-2				95		%
Iron	56-2	0.05	-0.01	0.06	0.03	118.14	ppb
Iron	57-2	-2.00	-4.02	-2.32	-2.78		ppb
Iron	54-2	-0.30	-0.80	0.91	-0.06		ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166519BL Instrumnet Name : P7
Client Sample ID : PBW519 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:10:26 DataFile Name : 046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.07	0.04	0.05	0.05	26.95	ppb
Lead	207-1	0.08	0.08	0.06	0.08	13.31	ppb
Lead	208-1	0.07	0.06	0.05	0.06	15.03	ppb
Lithium	6-1				101		%
Magnesium	24-2	0.39	0.66	0.72	0.59	29.15	ppb
Manganese	55-2	0.06	0.05	0.06	0.06	10.77	ppb
Molybdenum	94-1	0.16	0.09	0.11	0.12	30.53	ppb
Molybdenum	95-1	0.12	0.08	0.08	0.09	21.09	ppb
Molybdenum	96-1	0.12	0.11	0.09	0.11	16.03	ppb
Molybdenum	97-1	0.10	0.12	0.08	0.10	18.34	ppb
Molybdenum	98-1	0.12	0.08	0.09	0.10	19.84	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.15	-0.14	-0.13	-0.14		ppb
Phosphorus	31-2	-19.46	-19.47	-23.28	-20.74		ppb
Potassium	39-2	-7.00	-6.48	-5.97	-6.48		ppb
Rhodium	103-1				92		%
Rhodium	103-2				95		%
Scandium	45-1				86		%
Scandium	45-2				89		%
Selenium	82-1	-0.63	-0.11	-0.33	-0.36		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.77	0.42	-0.66	-0.34		ppb
Silicon	28-1	-26.78	-27.61	-26.81	-27.07		ppb
Silver	107-1	0.02	0.03	0.02	0.03	19.82	ppb
Silver	109-1	0.03	0.02	0.02	0.03	31.59	ppb
Sodium	23-2	12.51	12.99	11.83	12.44	4.70	ppb
Strontium	86-1	0.00	-0.01	-0.01	0.00		ppb
Strontium	88-1	0.01	0.00	0.00	0.00	53.01	ppb
Sulfur	34-1	-945.25	-922.00	-949.29	-938.84		ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	0.03	0.03	0.02	0.03	21.53	ppb
Thallium	205-1	0.03	0.03	0.02	0.03	13.80	ppb
Tin	118-1	0.00	0.00	0.00	0.00	302.78	ppb
Titanium	47-1	0.07	0.08	0.05	0.07	16.80	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166519BL Instrumnet Name : P7
Client Sample ID : PBW519 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:10:26 DataFile Name : 046CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.00	0.00	33.28	ppb
Vanadium	51-2	0.00	0.01	0.00	0.00	59.45	ppb
Yttrium	89-1				92		%
Yttrium	89-2				94		%
Zinc	66-2	0.08	0.20	0.14	0.14	43.54	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	3.06	ppb
Zirconium	91-1	0.03	0.02	0.03	0.03	19.01	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166519BS Instrumnet Name : P7
Client Sample ID : LCS519 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:13:45 DataFile Name : 047DLCW.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	9771.83	9822.20	9888.97	9827.67	0.60	ppb
Antimony	121-1	508.05	516.18	511.62	511.95	0.80	ppb
Arsenic	75-2	492.74	502.79	500.61	498.71	1.06	ppb
Barium	135-1	2574.39	2563.55	2551.49	2563.14	0.45	ppb
Barium	137-1	2563.54	2559.61	2546.41	2556.52	0.35	ppb
Beryllium	9-1	497.81	495.00	501.02	497.95	0.61	ppb
Bismuth	209-1				103		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	510.91	512.24	516.19	513.11	0.53	ppb
Cadmium	106-1	509.70	510.28	507.47	509.15	0.29	ppb
Cadmium	111-1	493.05	497.90	497.58	496.18	0.55	ppb
Calcium	43-1	50533.00	50520.07	50986.62	50679.90	0.52	ppb
Calcium	44-1	48910.99	48535.26	48709.26	48718.50	0.39	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	506.76	512.35	512.81	510.64	0.66	ppb
Cobalt	59-2	512.60	516.05	519.05	515.90	0.63	ppb
Copper	63-2	5041.04	5051.54	5095.78	5062.79	0.57	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				102		%
Indium	115-1				93		%
Indium	115-2				93		%
Iron	56-2	25846.86	26355.12	26351.79	26184.59	1.12	ppb
Iron	57-2	25694.67	25816.58	26182.50	25897.92	0.98	ppb
Iron	54-2	25996.40	26189.72	26439.92	26208.68	0.85	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166519BS Instrumnet Name : P7
Client Sample ID : LCS519 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:13:45 DataFile Name : 047DLCW.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2467.82	2536.55	2527.45	2510.61	1.49	ppb
Lead	207-1	2473.64	2524.14	2520.01	2505.93	1.12	ppb
Lead	208-1	2492.20	2528.70	2520.39	2513.76	0.76	ppb
Lithium	6-1				102		%
Magnesium	24-2	48893.56	49616.13	49319.00	49276.23	0.74	ppb
Manganese	55-2	5064.77	5110.53	5169.77	5115.02	1.03	ppb
Molybdenum	94-1	4991.75	5006.22	5081.19	5026.39	0.96	ppb
Molybdenum	95-1	5045.75	5022.39	5081.86	5050.00	0.59	ppb
Molybdenum	96-1	5005.86	5019.27	5064.00	5029.71	0.61	ppb
Molybdenum	97-1	4989.51	5018.57	5077.67	5028.58	0.89	ppb
Molybdenum	98-1	5021.32	5054.78	5065.92	5047.34	0.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	503.83	508.68	515.61	509.37	1.16	ppb
Phosphorus	31-2	10113.46	9971.12	10143.10	10075.89	0.91	ppb
Potassium	39-2	24665.03	25060.84	25022.81	24916.23	0.88	ppb
Rhodium	103-1				90		%
Rhodium	103-2				92		%
Scandium	45-1				86		%
Scandium	45-2				89		%
Selenium	82-1	504.56	502.49	509.21	505.42	0.68	ppb
Selenium	77-2	498.66	499.62	501.67	499.99	0.31	ppb
Selenium	78-2	485.50	503.38	499.97	496.28	1.91	ppb
Silicon	28-1	525.37	529.95	523.11	526.14	0.66	ppb
Silver	107-1	517.62	518.37	519.46	518.48	0.18	ppb
Silver	109-1	515.34	514.05	516.76	515.38	0.26	ppb
Sodium	23-2	49569.42	50222.89	49738.13	49843.48	0.68	ppb
Strontium	86-1	490.68	492.88	496.26	493.27	0.57	ppb
Strontium	88-1	504.21	503.19	507.68	505.03	0.47	ppb
Sulfur	34-1	9753.21	9640.36	9598.57	9664.05	0.83	ppb
Terbium	159-1				102		%
Terbium	159-2				101		%
Thallium	203-1	496.33	500.62	511.61	502.86	1.57	ppb
Thallium	205-1	490.28	503.31	505.56	499.72	1.65	ppb
Tin	118-1	506.70	512.06	514.14	510.96	0.75	ppb
Titanium	47-1	5082.34	4999.60	5029.72	5037.22	0.83	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166519BS Instrumnet Name : P7
Client Sample ID : LCS519 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:13:45 DataFile Name : 047DLCW.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	498.01	489.66	493.26	493.65	0.85	ppb
Vanadium	51-2	507.65	511.56	507.81	509.01	0.44	ppb
Yttrium	89-1				93		%
Yttrium	89-2				93		%
Zinc	66-2	5084.17	5160.19	5213.56	5152.64	1.26	ppb
Zirconium	90-1	497.43	498.03	507.80	501.09	1.16	ppb
Zirconium	91-1	501.62	500.01	513.36	505.00	1.44	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV017 Instrumnet Name : P7
Client Sample ID : CCV017 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:16:26 DataFile Name : 048CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49145.87	49257.99	49033.12	49145.66	0.23	ppb
Antimony	121-1	496.67	499.24	497.96	497.96	0.26	ppb
Arsenic	75-2	483.11	488.54	490.35	487.34	0.77	ppb
Barium	135-1	2489.16	2543.97	2549.85	2527.66	1.32	ppb
Barium	137-1	2506.12	2524.64	2539.29	2523.35	0.66	ppb
Beryllium	9-1	502.05	506.11	505.24	504.47	0.42	ppb
Bismuth	209-1				97		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	490.08	493.83	486.81	490.24	0.72	ppb
Cadmium	106-1	480.49	496.89	488.36	488.58	1.68	ppb
Cadmium	111-1	462.23	471.87	470.96	468.35	1.14	ppb
Calcium	43-1	239331.71	240899.37	239456.09	239895.72	0.36	ppb
Calcium	44-1	238758.07	240075.57	239377.45	239403.70	0.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	502.16	503.73	497.40	501.10	0.66	ppb
Cobalt	59-2	498.11	492.27	493.13	494.50	0.64	ppb
Copper	63-2	4752.26	4771.21	4754.38	4759.28	0.22	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				101		%
Indium	115-1				90		%
Indium	115-2				90		%
Iron	56-2	125378.36	125699.10	125011.13	125362.86	0.27	ppb
Iron	57-2	123300.57	123270.98	123329.88	123300.48	0.02	ppb
Iron	54-2	126384.98	125709.75	124847.43	125647.39	0.61	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV017 Instrumnet Name : P7
Client Sample ID : CCV017 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:16:26 DataFile Name : 048CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2551.14	2573.39	2582.16	2568.90	0.62	ppb
Lead	207-1	2545.63	2570.47	2575.21	2563.77	0.62	ppb
Lead	208-1	2547.39	2574.18	2578.21	2566.60	0.65	ppb
Lithium	6-1				101		%
Magnesium	24-2	241897.47	244399.26	244660.47	243652.40	0.63	ppb
Manganese	55-2	4993.49	4997.63	5002.19	4997.77	0.09	ppb
Molybdenum	94-1	5053.60	5124.56	5099.62	5092.60	0.71	ppb
Molybdenum	95-1	5038.39	5093.26	5086.81	5072.82	0.59	ppb
Molybdenum	96-1	5064.32	5121.00	5054.07	5079.80	0.71	ppb
Molybdenum	97-1	5064.90	5102.57	4981.75	5049.74	1.22	ppb
Molybdenum	98-1	5045.88	5113.10	5055.26	5071.41	0.72	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	479.92	482.94	478.33	480.40	0.49	ppb
Phosphorus	31-2	10039.95	10067.40	9943.84	10017.06	0.65	ppb
Potassium	39-2	121541.05	120878.93	121653.29	121357.76	0.34	ppb
Rhodium	103-1				84		%
Rhodium	103-2				86		%
Scandium	45-1				84		%
Scandium	45-2				89		%
Selenium	82-1	478.20	482.25	479.20	479.88	0.44	ppb
Selenium	77-2	478.25	482.99	497.22	486.15	2.03	ppb
Selenium	78-2	479.39	485.32	482.64	482.45	0.62	ppb
Silicon	28-1	537.85	537.79	532.28	535.97	0.60	ppb
Silver	107-1	478.61	484.75	488.46	483.94	1.03	ppb
Silver	109-1	488.07	490.97	487.71	488.92	0.37	ppb
Sodium	23-2	242905.23	245439.18	243894.21	244079.54	0.52	ppb
Strontium	86-1	491.09	498.43	495.84	495.12	0.75	ppb
Strontium	88-1	509.18	509.44	505.40	508.00	0.45	ppb
Sulfur	34-1	9849.60	9903.33	9899.42	9884.12	0.30	ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	518.83	521.05	525.35	521.74	0.64	ppb
Thallium	205-1	504.24	518.19	521.15	514.53	1.75	ppb
Tin	118-1	502.79	503.50	500.38	502.22	0.33	ppb
Titanium	47-1	5115.75	5049.39	5095.15	5086.76	0.67	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV017 Instrumnet Name : P7
Client Sample ID : CCV017 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:16:26 DataFile Name : 048CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	525.20	534.81	527.45	529.15	0.95	ppb
Vanadium	51-2	502.69	507.33	505.57	505.19	0.46	ppb
Yttrium	89-1				91		%
Yttrium	89-2				92		%
Zinc	66-2	4810.61	4750.69	4765.38	4775.56	0.65	ppb
Zirconium	90-1	506.89	509.21	510.31	508.80	0.34	ppb
Zirconium	91-1	506.52	514.79	512.62	511.31	0.84	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB017 Instrumnet Name : P7
Client Sample ID : CCB017 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:19:12 DataFile Name : 049CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.71	0.45	0.62	0.59	21.97	ppb
Antimony	121-1	0.08	0.08	0.07	0.08	5.89	ppb
Arsenic	75-2	0.02	0.03	0.00	0.02	84.85	ppb
Barium	135-1	0.10	0.06	0.08	0.08	19.11	ppb
Barium	137-1	0.08	0.08	0.09	0.08	7.30	ppb
Beryllium	9-1	0.14	0.14	0.12	0.13	5.93	ppb
Bismuth	209-1				103		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	-0.01	0.01	0.00	0.00		ppb
Cadmium	106-1	-2.86	-3.22	-3.31	-3.13		ppb
Cadmium	111-1	-0.02	-0.05	-0.03	-0.03		ppb
Calcium	43-1	7.86	7.17	8.71	7.91	9.76	ppb
Calcium	44-1	7.91	6.12	7.64	7.23	13.37	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.02	-0.02	0.00	-0.01		ppb
Cobalt	59-2	0.01	0.01	0.01	0.01	26.84	ppb
Copper	63-2	0.14	0.21	0.19	0.18	19.05	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				101		%
Indium	115-1				94		%
Indium	115-2				97		%
Iron	56-2	2.45	2.52	2.40	2.46	2.45	ppb
Iron	57-2	-0.82	-0.70	0.06	-0.48		ppb
Iron	54-2	1.43	2.74	2.92	2.36	34.27	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB017 Instrumnet Name : P7
Client Sample ID : CCB017 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:19:12 DataFile Name : 049CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.16	0.14	0.14	0.15	7.52	ppb
Lead	207-1	0.16	0.13	0.16	0.15	10.80	ppb
Lead	208-1	0.16	0.14	0.14	0.15	8.69	ppb
Lithium	6-1				101		%
Magnesium	24-2	4.57	5.18	4.62	4.79	7.08	ppb
Manganese	55-2	0.15	0.13	0.12	0.13	10.69	ppb
Molybdenum	94-1	0.25	0.22	0.24	0.24	6.90	ppb
Molybdenum	95-1	0.20	0.19	0.19	0.19	2.51	ppb
Molybdenum	96-1	0.22	0.16	0.21	0.20	16.57	ppb
Molybdenum	97-1	0.22	0.16	0.17	0.18	16.62	ppb
Molybdenum	98-1	0.22	0.19	0.21	0.20	8.20	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.13	-0.16	-0.12	-0.14		ppb
Phosphorus	31-2	-21.61	-20.65	-18.52	-20.26		ppb
Potassium	39-2	1.68	1.47	-0.41	0.91	126.28	ppb
Rhodium	103-1				91		%
Rhodium	103-2				95		%
Scandium	45-1				85		%
Scandium	45-2				90		%
Selenium	82-1	-0.23	0.19	0.08	0.01	1608.60	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-1.58	-1.53	0.01	-1.03		ppb
Silicon	28-1	-32.44	-35.08	-22.33	-29.95		ppb
Silver	107-1	0.03	0.03	0.03	0.03	7.38	ppb
Silver	109-1	0.04	0.03	0.03	0.03	20.40	ppb
Sodium	23-2	41.60	40.13	39.44	40.39	2.73	ppb
Strontium	86-1	0.01	0.02	0.01	0.01	49.55	ppb
Strontium	88-1	0.02	0.02	0.02	0.02	5.10	ppb
Sulfur	34-1	-698.01	-833.61	-462.18	-664.60		ppb
Terbium	159-1				100		%
Terbium	159-2				101		%
Thallium	203-1	0.05	0.05	0.06	0.05	7.78	ppb
Thallium	205-1	0.05	0.05	0.05	0.05	5.33	ppb
Tin	118-1	0.03	0.00	0.02	0.02	73.14	ppb
Titanium	47-1	0.22	0.13	0.20	0.18	25.80	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB017 Instrumnet Name : P7
Client Sample ID : CCB017 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:19:12 DataFile Name : 049CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.01	0.01	0.01	23.66	ppb
Vanadium	51-2	0.02	0.01	0.01	0.01	35.67	ppb
Yttrium	89-1				91		%
Yttrium	89-2				95		%
Zinc	66-2	0.34	0.34	0.29	0.32	9.71	ppb
Zirconium	90-1	0.04	0.03	0.04	0.04	15.05	ppb
Zirconium	91-1	0.06	0.03	0.05	0.05	24.18	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : Q1087-22 Instrumnet Name : P7
Client Sample ID : MC0AD6 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:22:28 DataFile Name : 050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1226.43	1233.24	1239.35	1233.01	0.52	ppb
Antimony	121-1	561.88	591.55	589.75	581.06	2.86	ppb
Arsenic	75-2	620.09	617.11	618.76	618.65	0.24	ppb
Barium	135-1	1187.94	1235.02	1203.98	1208.98	1.98	ppb
Barium	137-1	1162.50	1205.79	1207.73	1192.01	2.15	ppb
Beryllium	9-1	139.97	146.54	143.93	143.48	2.31	ppb
Bismuth	209-1				108		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	591.17	623.31	615.37	609.95	2.74	ppb
Cadmium	106-1	573.49	600.41	599.48	591.13	2.59	ppb
Cadmium	111-1	640.92	681.80	672.27	665.00	3.22	ppb
Calcium	43-1	41.59	46.27	38.88	42.24	8.85	ppb
Calcium	44-1	27.80	27.85	28.65	28.10	1.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	302.27	301.42	302.55	302.08	0.19	ppb
Cobalt	59-2	243.60	242.86	242.36	242.94	0.26	ppb
Copper	63-2	871.86	884.80	874.11	876.92	0.79	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				104		%
Holmium	165-2				102		%
Indium	115-1				98		%
Indium	115-2				97		%
Iron	56-2	2010.94	2005.30	2009.79	2008.68	0.15	ppb
Iron	57-2	2020.74	2018.55	2011.77	2017.02	0.23	ppb
Iron	54-2	2280.75	2273.65	2268.20	2274.20	0.28	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : Q1087-22 Instrumnet Name : P7
Client Sample ID : MC0AD6 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:22:28 DataFile Name : 050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	686.02	724.53	737.78	716.11	3.75	ppb
Lead	207-1	655.71	687.60	694.32	679.21	3.04	ppb
Lead	208-1	668.74	706.08	707.54	694.12	3.17	ppb
Lithium	6-1				105		%
Magnesium	24-2	0.72	0.58	0.96	0.75	25.61	ppb
Manganese	55-2	756.48	754.56	754.43	755.16	0.15	ppb
Molybdenum	94-1	355.32	372.45	372.44	366.74	2.70	ppb
Molybdenum	95-1	446.75	463.17	467.33	459.08	2.37	ppb
Molybdenum	96-1	438.31	454.94	453.87	449.04	2.07	ppb
Molybdenum	97-1	433.08	450.73	453.19	445.67	2.46	ppb
Molybdenum	98-1	454.00	457.25	455.95	455.73	0.36	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	550.51	544.91	547.16	547.53	0.51	ppb
Phosphorus	31-2	-21.74	-23.23	-21.26	-22.08		ppb
Potassium	39-2	-5.62	-7.43	-6.65	-6.56		ppb
Rhodium	103-1				95		%
Rhodium	103-2				96		%
Scandium	45-1				89		%
Scandium	45-2				91		%
Selenium	82-1	245.24	249.57	254.98	249.93	1.95	ppb
Selenium	77-2	246.32	253.24	243.88	247.81	1.96	ppb
Selenium	78-2	251.98	260.92	255.11	256.00	1.77	ppb
Silicon	28-1	-38.67	-36.82	-35.77	-37.09		ppb
Silver	107-1	718.46	749.59	742.70	736.92	2.22	ppb
Silver	109-1	719.22	756.94	747.90	741.35	2.66	ppb
Sodium	23-2	25.71	24.54	25.19	25.15	2.34	ppb
Strontium	86-1	55.58	57.14	58.38	57.04	2.46	ppb
Strontium	88-1	54.89	56.86	57.32	56.36	2.28	ppb
Sulfur	34-1	-953.45	-976.20	-1048.05	-992.57		ppb
Terbium	159-1				104		%
Terbium	159-2				101		%
Thallium	203-1	681.74	715.01	714.80	703.85	2.72	ppb
Thallium	205-1	678.29	713.39	720.75	704.14	3.22	ppb
Tin	118-1	0.02	0.02	0.01	0.02	31.16	ppb
Titanium	47-1	0.09	0.08	0.10	0.09	8.54	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : Q1087-22 Instrumnet Name : P7
Client Sample ID : MC0AD6 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:22:28 DataFile Name : 050SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	31.00	ppb
Vanadium	51-2	1651.69	1654.69	1650.69	1652.36	0.13	ppb
Yttrium	89-1				96		%
Yttrium	89-2				95		%
Zinc	66-2	1003.50	1002.25	1001.87	1002.54	0.09	ppb
Zirconium	90-1	0.15	0.14	0.09	0.13	24.35	ppb
Zirconium	91-1	0.30	0.28	0.27	0.28	6.11	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : Q1087-22DLX2 Instrumnet Name : P7
Client Sample ID : MC0AD6 Dilution Factor : 2
Date & Time Acquired : 2025-02-04 20:31:53 DataFile Name : 053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	622.00	613.03	618.77	617.93	0.73	ppb
Antimony	121-1	293.24	293.11	294.65	293.67	0.29	ppb
Arsenic	75-2	306.43	315.88	312.21	311.51	1.53	ppb
Barium	135-1	577.00	572.51	573.77	574.42	0.40	ppb
Barium	137-1	609.72	601.62	594.65	602.00	1.25	ppb
Beryllium	9-1	73.72	74.02	74.13	73.96	0.29	ppb
Bismuth	209-1				105		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	315.20	308.57	312.49	312.09	1.07	ppb
Cadmium	106-1	301.29	298.49	293.43	297.74	1.34	ppb
Cadmium	111-1	341.18	337.14	340.51	339.61	0.64	ppb
Calcium	43-1	23.30	20.71	25.55	23.19	10.43	ppb
Calcium	44-1	17.23	17.74	17.01	17.33	2.16	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	151.44	151.41	152.28	151.71	0.33	ppb
Cobalt	59-2	122.76	121.64	121.90	122.10	0.48	ppb
Copper	63-2	435.70	437.97	443.84	439.17	0.96	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				102		%
Indium	115-1				97		%
Indium	115-2				98		%
Iron	56-2	1022.14	1014.72	1017.58	1018.15	0.37	ppb
Iron	57-2	1014.26	1013.73	1016.87	1014.96	0.17	ppb
Iron	54-2	1155.53	1140.69	1149.61	1148.61	0.65	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : Q1087-22DLX2 Instrumnet Name : P7
Client Sample ID : MC0AD6 Dilution Factor : 2
Date & Time Acquired : 2025-02-04 20:31:53 DataFile Name : 053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	372.91	366.02	363.41	367.45	1.34	ppb
Lead	207-1	358.43	347.19	344.81	350.14	2.08	ppb
Lead	208-1	362.39	354.76	352.21	356.46	1.49	ppb
Lithium	6-1				102		%
Magnesium	24-2	1.38	1.27	1.51	1.39	8.47	ppb
Manganese	55-2	372.37	372.11	373.29	372.59	0.17	ppb
Molybdenum	94-1	186.85	187.12	186.51	186.83	0.16	ppb
Molybdenum	95-1	227.24	230.23	227.69	228.38	0.71	ppb
Molybdenum	96-1	221.52	222.84	222.58	222.31	0.32	ppb
Molybdenum	97-1	227.10	229.21	227.87	228.06	0.47	ppb
Molybdenum	98-1	234.17	232.46	232.59	233.07	0.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	275.02	273.74	276.10	274.95	0.43	ppb
Phosphorus	31-2	-23.77	-24.91	-20.36	-23.01		ppb
Potassium	39-2	-5.98	-7.51	-5.76	-6.42		ppb
Rhodium	103-1				94		%
Rhodium	103-2				97		%
Scandium	45-1				88		%
Scandium	45-2				92		%
Selenium	82-1	126.15	126.72	126.50	126.45	0.23	ppb
Selenium	77-2	130.13	128.74	127.33	128.73	1.09	ppb
Selenium	78-2	122.78	121.78	124.45	123.00	1.09	ppb
Silicon	28-1	-31.92	-32.02	-33.25	-32.39		ppb
Silver	107-1	378.66	376.36	374.66	376.56	0.53	ppb
Silver	109-1	382.64	378.88	374.79	378.77	1.04	ppb
Sodium	23-2	14.79	15.47	14.89	15.05	2.42	ppb
Strontium	86-1	29.21	29.13	29.15	29.16	0.15	ppb
Strontium	88-1	28.91	28.95	28.91	28.93	0.08	ppb
Sulfur	34-1	-1154.19	-1119.38	-1154.11	-1142.56		ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	364.84	361.85	362.31	363.00	0.44	ppb
Thallium	205-1	366.46	357.17	360.03	361.22	1.32	ppb
Tin	118-1	0.03	0.01	0.02	0.02	43.36	ppb
Titanium	47-1	0.08	0.04	0.10	0.08	41.61	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : Q1087-22DLX2 Instrumnet Name : P7
Client Sample ID : MC0AD6 Dilution Factor : 2
Date & Time Acquired : 2025-02-04 20:31:53 DataFile Name : 053SMPL.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.00	0.00	0.00	0.00	26.17	ppb
Vanadium	51-2	830.00	814.29	837.94	827.41	1.45	ppb
Yttrium	89-1				95		%
Yttrium	89-2				96		%
Zinc	66-2	503.98	501.92	502.50	502.80	0.21	ppb
Zirconium	90-1	0.02	0.02	0.02	0.02	13.88	ppb
Zirconium	91-1	0.10	0.12	0.09	0.10	14.73	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV018 Instrumnet Name : P7
Client Sample ID : CCV018 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:38:01 DataFile Name : 055CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	48267.77	48457.56	48634.18	48453.17	0.38	ppb
Antimony	121-1	498.40	493.58	501.28	497.75	0.78	ppb
Arsenic	75-2	480.87	489.07	483.48	484.47	0.86	ppb
Barium	135-1	2535.58	2507.40	2573.26	2538.75	1.30	ppb
Barium	137-1	2520.68	2508.70	2571.12	2533.50	1.31	ppb
Beryllium	9-1	502.92	504.62	504.92	504.15	0.21	ppb
Bismuth	209-1				96		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	477.71	485.68	490.83	484.74	1.36	ppb
Cadmium	106-1	489.44	481.29	498.86	489.86	1.79	ppb
Cadmium	111-1	469.06	466.74	471.92	469.24	0.55	ppb
Calcium	43-1	238633.46	237564.12	238693.99	238297.19	0.27	ppb
Calcium	44-1	239538.04	237131.68	238135.29	238268.34	0.51	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	505.35	498.68	503.99	502.67	0.70	ppb
Cobalt	59-2	493.83	491.84	491.47	492.38	0.26	ppb
Copper	63-2	4741.98	4724.88	4771.32	4746.06	0.49	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				101		%
Holmium	165-2				100		%
Indium	115-1				90		%
Indium	115-2				90		%
Iron	56-2	124299.51	124399.14	125327.81	124675.49	0.45	ppb
Iron	57-2	122735.80	122732.92	123213.24	122893.99	0.22	ppb
Iron	54-2	125175.76	123397.86	124441.99	124338.54	0.72	ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV018 Instrumnet Name : P7
Client Sample ID : CCV018 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:38:01 DataFile Name : 055CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	2555.89	2574.39	2568.37	2566.22	0.37	ppb
Lead	207-1	2564.67	2534.35	2557.62	2552.21	0.62	ppb
Lead	208-1	2556.22	2553.08	2573.10	2560.80	0.42	ppb
Lithium	6-1				99		%
Magnesium	24-2	241462.39	241289.10	241832.32	241527.93	0.11	ppb
Manganese	55-2	4927.78	4936.54	5013.01	4959.11	0.95	ppb
Molybdenum	94-1	5018.62	5072.63	5099.49	5063.58	0.81	ppb
Molybdenum	95-1	5073.15	5072.23	5109.66	5085.02	0.42	ppb
Molybdenum	96-1	5053.49	5018.11	5114.77	5062.12	0.97	ppb
Molybdenum	97-1	5023.30	5027.81	5120.31	5057.14	1.08	ppb
Molybdenum	98-1	5070.72	5030.86	5096.89	5066.15	0.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	481.00	480.02	484.53	481.85	0.49	ppb
Phosphorus	31-2	10020.08	10135.91	10023.28	10059.75	0.66	ppb
Potassium	39-2	120696.80	120235.07	120036.43	120322.77	0.28	ppb
Rhodium	103-1				85		%
Rhodium	103-2				87		%
Scandium	45-1				85		%
Scandium	45-2				90		%
Selenium	82-1	480.50	479.12	484.14	481.25	0.54	ppb
Selenium	77-2	473.95	478.48	472.24	474.89	0.68	ppb
Selenium	78-2	467.71	480.32	471.32	473.12	1.37	ppb
Silicon	28-1	530.54	531.16	536.26	532.65	0.59	ppb
Silver	107-1	484.71	482.72	488.50	485.31	0.60	ppb
Silver	109-1	488.01	480.02	484.73	484.25	0.83	ppb
Sodium	23-2	238876.74	239742.49	241281.65	239966.96	0.51	ppb
Strontium	86-1	492.06	489.26	497.63	492.99	0.86	ppb
Strontium	88-1	507.63	503.95	510.25	507.28	0.62	ppb
Sulfur	34-1	9876.21	9741.73	9962.06	9860.00	1.13	ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	516.74	521.25	526.41	521.47	0.93	ppb
Thallium	205-1	511.33	522.79	516.95	517.02	1.11	ppb
Tin	118-1	500.42	498.93	507.28	502.21	0.89	ppb
Titanium	47-1	5068.75	5044.66	5061.24	5058.22	0.24	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV018 Instrumnet Name : P7
Client Sample ID : CCV018 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:38:01 DataFile Name : 055CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	526.02	527.60	521.21	524.94	0.63	ppb
Vanadium	51-2	504.04	506.32	507.76	506.04	0.37	ppb
Yttrium	89-1				91		%
Yttrium	89-2				93		%
Zinc	66-2	4712.84	4763.04	4718.32	4731.40	0.58	ppb
Zirconium	90-1	510.59	505.83	509.39	508.60	0.49	ppb
Zirconium	91-1	504.80	504.73	512.20	507.25	0.85	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB018 Instrumnet Name : P7
Client Sample ID : CCB018 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:40:44 DataFile Name : 056CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1.23	0.35	0.21	0.60	92.17	ppb
Antimony	121-1	0.06	0.05	0.05	0.05	12.40	ppb
Arsenic	75-2	0.01	-0.02	0.00	0.00		ppb
Barium	135-1	0.01	0.03	0.01	0.02	61.58	ppb
Barium	137-1	0.02	0.01	0.02	0.02	22.81	ppb
Beryllium	9-1	0.15	0.11	0.12	0.13	12.71	ppb
Bismuth	209-1				104		%
Bismuth	209-2				102		%
Bromine	81-1						cps
Bromine	81-2						cps
Cadmium	108-1	0.03	-0.07	-0.01	-0.02		ppb
Cadmium	106-1	-1.34	-1.87	-1.92	-1.71		ppb
Cadmium	111-1	0.01	0.00	-0.02	0.00		ppb
Calcium	43-1	-0.21	-0.14	-0.75	-0.37		ppb
Calcium	44-1	1.38	1.15	0.66	1.06	34.20	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.03	-0.03	-0.03	-0.03		ppb
Cobalt	59-2	0.00	0.01	0.01	0.01	60.14	ppb
Copper	63-2	0.07	0.09	0.04	0.07	32.53	ppb
Dysprosium	156-1						cps
Dysprosium	156-2						cps
Erbium	164-1						cps
Erbium	164-2						cps
Gadolinium	160-1						cps
Gadolinium	160-2						cps
Holmium	165-1				102		%
Holmium	165-2				101		%
Indium	115-1				96		%
Indium	115-2				97		%
Iron	56-2	0.85	0.58	0.39	0.60	38.41	ppb
Iron	57-2	-1.93	-2.51	-2.04	-2.16		ppb
Iron	54-2	0.08	-0.85	-0.78	-0.52		ppb
Krypton	83-1						cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB018 Instrumnet Name : P7
Client Sample ID : CCB018 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:40:44 DataFile Name : 056CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	206-1	0.09	0.09	0.09	0.09	0.37	ppb
Lead	207-1	0.11	0.09	0.08	0.09	18.44	ppb
Lead	208-1	0.10	0.09	0.08	0.09	11.11	ppb
Lithium	6-1				103		%
Magnesium	24-2	1.22	1.13	0.52	0.96	39.57	ppb
Manganese	55-2	0.03	0.06	0.02	0.04	49.16	ppb
Molybdenum	94-1	0.15	0.12	0.11	0.13	17.55	ppb
Molybdenum	95-1	0.11	0.08	0.08	0.09	13.75	ppb
Molybdenum	96-1	0.09	0.08	0.09	0.09	3.85	ppb
Molybdenum	97-1	0.09	0.08	0.09	0.09	4.92	ppb
Molybdenum	98-1	0.09	0.07	0.08	0.08	12.22	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.10	-0.04	-0.13	-0.09		ppb
Phosphorus	31-2	-23.28	-18.66	-26.56	-22.83		ppb
Potassium	39-2	-0.43	-0.93	-0.18	-0.51		ppb
Rhodium	103-1				93		%
Rhodium	103-2				97		%
Scandium	45-1				87		%
Scandium	45-2				91		%
Selenium	82-1	-0.15	-0.17	-0.16	-0.16		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-1.49	-1.28	-1.15	-1.31		ppb
Silicon	28-1	-34.90	-33.12	-35.81	-34.61		ppb
Silver	107-1	0.02	0.02	0.02	0.02	16.02	ppb
Silver	109-1	0.04	0.03	0.03	0.03	17.92	ppb
Sodium	23-2	35.47	33.33	32.90	33.90	4.07	ppb
Strontium	86-1	0.00	-0.01	-0.01	-0.01		ppb
Strontium	88-1	0.00	0.00	0.00	0.00	28.11	ppb
Sulfur	34-1	-734.63	-673.04	-678.46	-695.38		ppb
Terbium	159-1				103		%
Terbium	159-2				101		%
Thallium	203-1	0.05	0.06	0.05	0.05	9.63	ppb
Thallium	205-1	0.05	0.05	0.05	0.05	6.95	ppb
Tin	118-1	0.01	0.01	0.01	0.01	31.91	ppb
Titanium	47-1	0.06	0.09	0.03	0.06	52.95	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB018 Instrumnet Name : P7
Client Sample ID : CCB018 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:40:44 DataFile Name : 056CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Uranium	238-1	0.01	0.00	0.00	0.00	24.13	ppb
Vanadium	51-2	0.01	0.01	0.00	0.00	56.98	ppb
Yttrium	89-1				94		%
Yttrium	89-2				95		%
Zinc	66-2	0.20	0.30	0.26	0.25	19.76	ppb
Zirconium	90-1	0.03	0.02	0.03	0.03	21.11	ppb
Zirconium	91-1	0.03	0.03	0.03	0.03	11.53	ppb

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P7
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:25:15 DataFile Name : 004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	233	207	213	218	6.37	cps
Antimony	121-1	33	20	47	33	40.01	cps
Arsenic	75-2	20	10	0	10	100.00	cps
Barium	135-1	47	33	33	38	20.39	cps
Barium	137-1	60	43	67	57	21.21	cps
Beryllium	9-1	60	90	43	64	36.70	cps
Bismuth	209-1	7181284	7113604	7086236	7127041	0.69	cps
Bismuth	209-2	5898745	5848047	5786256	5844349	0.96	cps
Bromine	81-1	15435	16079	16029	15847	2.26	cps
Bromine	81-2	140	130	113	128	10.54	cps
Cadmium	108-1	23	7	3	11	96.43	cps
Cadmium	106-1	4647	4824	4521	4664	3.27	cps
Cadmium	111-1	930	970	918	939	2.89	cps
Calcium	43-1	297	293	327	306	6.01	cps
Calcium	44-1	6558	6715	6355	6543	2.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	753	840	767	787	5.93	cps
Cobalt	59-2	133	110	123	122	9.58	cps
Copper	63-2	1550	1437	1383	1457	5.84	cps
Dysprosium	156-1	7	7	3	6	34.70	cps
Dysprosium	156-2	3	7	3	4	43.40	cps
Erbium	164-1	33	63	53	50	30.55	cps
Erbium	164-2	37	23	50	37	36.37	cps
Gadolinium	160-1	47	27	57	43	35.25	cps
Gadolinium	160-2	393	420	397	403	3.60	cps
Holmium	165-1	11273514	11220749	11170917	11221727	0.46	cps
Holmium	165-2	8114356	8105931	7974758	8065015	0.97	cps
Indium	115-1	9168968	9142248	9059949	9123722	0.62	cps
Indium	115-2	3612828	3596375	3619102	3609435	0.33	cps
Iron	56-2	15605	15899	15291	15598	1.95	cps
Iron	57-2	1330	1340	1230	1300	4.68	cps
Iron	54-2	2170	2210	2320	2234	3.48	cps
Krypton	83-1	190	180	217	196	9.69	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P7
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:25:15 DataFile Name : 004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	620	520	527	556	10.06	cps
Lead	207-1	393	417	480	430	10.43	cps
Lead	208-1	2220	1977	2090	2096	5.81	cps
Lithium	6-1	883981	874061	873714	877252	0.66	cps
Magnesium	24-2	660	733	697	697	5.26	cps
Manganese	55-2	193	240	200	211	11.95	cps
Molybdenum	94-1	183	260	213	219	17.65	cps
Molybdenum	95-1	103	90	107	100	8.82	cps
Molybdenum	96-1	170	197	160	176	10.80	cps
Molybdenum	97-1	87	77	60	74	18.10	cps
Molybdenum	98-1	160	140	193	164	16.39	cps
Neodymium	150-1	3	7	3	4	43.40	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	1573	1543	1670	1596	4.15	cps
Phosphorus	31-2	207	187	207	200	5.77	cps
Potassium	39-2	52982	53286	52346	52871	0.91	cps
Rhodium	103-1	8452497	8389966	8396739	8413067	0.41	cps
Rhodium	103-2	5221901	5143317	5160528	5175249	0.80	cps
Scandium	45-1	4530922	4526536	4567205	4541554	0.49	cps
Scandium	45-2	449884	443765	444404	446018	0.75	cps
Selenium	82-1	317	336	238	297	17.60	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	420	430	480	443	7.25	cps
Silicon	28-1	817716	816044	818064	817274	0.13	cps
Silver	107-1	67	80	103	83	22.27	cps
Silver	109-1	37	13	53	34	58.34	cps
Sodium	23-2	14093	13609	13659	13787	1.93	cps
Strontium	86-1	273	297	303	291	5.41	cps
Strontium	88-1	177	170	183	177	3.78	cps
Sulfur	34-1	157014	158657	158963	158211	0.66	cps
Terbium	159-1	11474700	11349908	11326587	11383731	0.70	cps
Terbium	159-2	8060027	8103965	7991717	8051903	0.70	cps
Thallium	203-1	153	80	143	126	31.68	cps
Thallium	205-1	277	390	293	320	19.12	cps
Tin	118-1	1127	1070	1080	1092	2.77	cps
Titanium	47-1	50	60	43	51	16.42	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P7
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:25:15 DataFile Name : 004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	37	23	20	27	33.08	cps
Vanadium	51-2	13	3	30	16	86.63	cps
Yttrium	89-1	15432157	15358782	15371938	15387626	0.25	cps
Yttrium	89-2	4483083	4543693	4503232	4510003	0.68	cps
Zinc	66-2	497	433	430	453	8.29	cps
Zirconium	90-1	457	557	443	486	12.76	cps
Zirconium	91-1	83	80	90	84	6.03	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S02 Instrumnet Name : P7
Client Sample ID : S02 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:28:33 DataFile Name : 005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4404	4181	4274	4286	2.62	cps
Antimony	121-1	20248	19547	19754	19849	1.81	cps
Arsenic	75-2	587	613	560	587	4.55	cps
Barium	135-1	25349	25236	25924	25503	1.45	cps
Barium	137-1	44135	44369	44586	44363	0.51	cps
Beryllium	9-1	1100	1100	1067	1089	1.77	cps
Bismuth	209-1	7070357	7030273	7205614	7102081	1.29	cps
Bismuth	209-2	5674974	5697701	5794248	5722308	1.11	cps
Bromine	81-1	16112	16156	16303	16190	0.62	cps
Bromine	81-2	90	120	127	112	17.41	cps
Cadmium	108-1	217	177	170	188	13.44	cps
Cadmium	106-1	5131	4888	4898	4972	2.77	cps
Cadmium	111-1	3351	3341	3617	3437	4.56	cps
Calcium	43-1	13066	13006	13289	13120	1.14	cps
Calcium	44-1	213379	214359	215816	214518	0.57	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9396	9210	9266	9291	1.03	cps
Cobalt	59-2	7032	7138	6718	6963	3.14	cps
Copper	63-2	10384	10297	10140	10274	1.20	cps
Dysprosium	156-1	17	10	10	12	31.50	cps
Dysprosium	156-2	0	0	7	2	173.21	cps
Erbium	164-1	67	47	37	50	30.55	cps
Erbium	164-2	37	23	37	32	23.90	cps
Gadolinium	160-1	63	37	37	46	33.79	cps
Gadolinium	160-2	380	457	427	421	9.17	cps
Holmium	165-1	11220558	11169126	11159461	11183048	0.29	cps
Holmium	165-2	8137747	7954647	8029717	8040703	1.14	cps
Indium	115-1	9224932	9085358	9151647	9153979	0.76	cps
Indium	115-2	3571222	3670563	3594932	3612239	1.44	cps
Iron	56-2	216275	216502	216451	216409	0.06	cps
Iron	57-2	6411	6438	6645	6498	1.97	cps
Iron	54-2	13176	13670	13369	13405	1.86	cps
Krypton	83-1	220	153	203	192	18.05	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S02 Instrumnet Name : P7
Client Sample ID : S02 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:28:33 DataFile Name : 005CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	8339	7982	7952	8091	2.66	cps
Lead	207-1	7185	7062	6945	7064	1.70	cps
Lead	208-1	32642	32332	31912	32295	1.14	cps
Lithium	6-1	881503	876554	882660	880239	0.37	cps
Magnesium	24-2	182414	182033	179541	181329	0.86	cps
Manganese	55-2	3514	3690	3637	3614	2.51	cps
Molybdenum	94-1	20458	20832	20778	20689	0.98	cps
Molybdenum	95-1	25245	25118	24818	25060	0.88	cps
Molybdenum	96-1	28074	27890	27392	27785	1.27	cps
Molybdenum	97-1	15722	15742	15655	15706	0.29	cps
Molybdenum	98-1	39774	40807	40767	40449	1.45	cps
Neodymium	150-1	7	7	23	12	78.69	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	3267	3160	3400	3276	3.67	cps
Phosphorus	31-2	560	470	593	541	11.79	cps
Potassium	39-2	301880	301006	299971	300952	0.32	cps
Rhodium	103-1	8481797	8456427	8461392	8466538	0.16	cps
Rhodium	103-2	5159160	5202742	5132667	5164856	0.69	cps
Scandium	45-1	4549799	4505487	4592346	4549211	0.95	cps
Scandium	45-2	443489	442330	447040	444287	0.55	cps
Selenium	82-1	1102	1144	1034	1093	5.10	cps
Selenium	77-2	133	133	97	121	17.48	cps
Selenium	78-2	740	713	663	706	5.52	cps
Silicon	28-1	834392	835404	841114	836970	0.43	cps
Silver	107-1	13103	12929	12929	12987	0.77	cps
Silver	109-1	11952	11932	11691	11858	1.22	cps
Sodium	23-2	300424	297132	298004	298520	0.57	cps
Strontium	86-1	3524	3394	3400	3439	2.13	cps
Strontium	88-1	28140	27917	27823	27960	0.58	cps
Sulfur	34-1	159162	160300	161729	160397	0.80	cps
Terbium	159-1	11429034	11538241	11457030	11474768	0.49	cps
Terbium	159-2	7956322	7981352	8136018	8024564	1.21	cps
Thallium	203-1	9367	9567	9343	9426	1.30	cps
Thallium	205-1	23076	22639	23070	22928	1.09	cps
Tin	118-1	42302	42927	43295	42841	1.17	cps
Titanium	47-1	6115	6071	6098	6095	0.36	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S02 Instrumnet Name : P7
Client Sample ID : S02 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:28:33 DataFile Name : 005CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	28410	28992	28467	28623	1.12	cps
Vanadium	51-2	18752	18558	19146	18818	1.59	cps
Yttrium	89-1	15384197	15507196	15395918	15429104	0.44	cps
Yttrium	89-2	4467253	4453886	4519208	4480116	0.77	cps
Zinc	66-2	4364	4514	4564	4481	2.32	cps
Zirconium	90-1	17297	17174	17414	17295	0.69	cps
Zirconium	91-1	3794	3737	3717	3749	1.06	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S03 Instrumnet Name : P7
Client Sample ID : S03 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:31:52 DataFile Name : 006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	189066	192368	189669	190368	0.92	cps
Antimony	121-1	455494	461912	462432	459946	0.84	cps
Arsenic	75-2	25632	25939	25809	25794	0.60	cps
Barium	135-1	591675	592181	591981	591946	0.04	cps
Barium	137-1	1020200	1029003	1025164	1024789	0.43	cps
Beryllium	9-1	49024	50054	50044	49707	1.19	cps
Bismuth	209-1	7157038	7086465	7059493	7100999	0.71	cps
Bismuth	209-2	5636014	5152781	5802843	5530546	6.10	cps
Bromine	81-1	15431	14571	14461	14821	3.59	cps
Bromine	81-2	117	87	113	106	15.58	cps
Cadmium	108-1	9280	9306	8946	9177	2.19	cps
Cadmium	106-1	17958	17934	17134	17675	2.66	cps
Cadmium	111-1	116218	116433	115714	116122	0.32	cps
Calcium	43-1	118911	117322	116738	117657	0.96	cps
Calcium	44-1	1822715	1822553	1833684	1826318	0.35	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	190659	192022	190588	191090	0.42	cps
Cobalt	59-2	292144	293257	290520	291974	0.47	cps
Copper	63-2	2092116	2044534	2045374	2060674	1.32	cps
Dysprosium	156-1	27	23	17	22	22.91	cps
Dysprosium	156-2	37	27	37	33	17.32	cps
Erbium	164-1	67	47	57	57	17.65	cps
Erbium	164-2	47	30	43	40	22.05	cps
Gadolinium	160-1	40	30	43	38	18.36	cps
Gadolinium	160-2	400	330	403	378	10.96	cps
Holmium	165-1	11233692	11191468	11078348	11167836	0.72	cps
Holmium	165-2	7944238	7200801	8070855	7738631	6.07	cps
Indium	115-1	9103067	9045720	8873770	9007519	1.32	cps
Indium	115-2	3501228	3129840	3514779	3381949	6.46	cps
Iron	56-2	8972353	8925293	8801777	8899807	0.99	cps
Iron	57-2	227314	229587	227745	228215	0.53	cps
Iron	54-2	500617	504356	499211	501395	0.53	cps
Krypton	83-1	143	107	117	122	15.51	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S03 Instrumnet Name : P7
Client Sample ID : S03 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:31:52 DataFile Name : 006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1901358	1889818	1917363	1902846	0.73	cps
Lead	207-1	1540408	1548145	1556066	1548206	0.51	cps
Lead	208-1	7586687	7574799	7556852	7572779	0.20	cps
Lithium	6-1	889616	880526	882865	884335	0.53	cps
Magnesium	24-2	1675652	1686727	1676660	1679680	0.36	cps
Manganese	55-2	1520300	1542178	1518973	1527150	0.85	cps
Molybdenum	94-1	1637036	1595637	1617071	1616581	1.28	cps
Molybdenum	95-1	2368371	2412280	2343672	2374774	1.46	cps
Molybdenum	96-1	2579622	2617977	2560272	2585957	1.14	cps
Molybdenum	97-1	1461448	1468622	1435565	1455212	1.19	cps
Molybdenum	98-1	3804027	3775744	3745276	3775016	0.78	cps
Neodymium	150-1	43	30	43	39	19.79	cps
Neodymium	150-2	13	17	30	20	44.10	cps
Nickel	60-2	76507	75947	75760	76072	0.51	cps
Phosphorus	31-2	10037	10057	9950	10014	0.57	cps
Potassium	39-2	1200425	1204926	1195324	1200225	0.40	cps
Rhodium	103-1	8535467	8387650	8224728	8382615	1.85	cps
Rhodium	103-2	4932286	4523662	5019344	4825097	5.48	cps
Scandium	45-1	4566125	4463837	4416190	4482051	1.71	cps
Scandium	45-2	432932	382477	435756	417055	7.19	cps
Selenium	82-1	7720	7430	7524	7558	1.96	cps
Selenium	77-2	800	807	770	792	2.47	cps
Selenium	78-2	3220	3210	3274	3235	1.05	cps
Silicon	28-1	1262487	1253062	1269748	1261766	0.66	cps
Silver	107-1	604420	603554	598203	602059	0.56	cps
Silver	109-1	573706	574642	572807	573718	0.16	cps
Sodium	23-2	2611536	2635589	2624051	2623725	0.46	cps
Strontium	86-1	149109	148755	146678	148181	0.89	cps
Strontium	88-1	1279482	1284437	1275378	1279766	0.35	cps
Sulfur	34-1	182769	182347	180222	181779	0.75	cps
Terbium	159-1	11620259	11562276	11312617	11498384	1.42	cps
Terbium	159-2	7816020	7154525	8046001	7672182	6.03	cps
Thallium	203-1	436565	438624	443748	439646	0.84	cps
Thallium	205-1	1040504	1050718	1052277	1047833	0.61	cps
Tin	118-1	387916	387392	387475	387594	0.07	cps
Titanium	47-1	541011	541107	537521	539880	0.38	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S03 Instrumnet Name : P7
Client Sample ID : S03 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:31:52 DataFile Name : 006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1379834	1385862	1388874	1384857	0.33	cps
Vanadium	51-2	166823	168134	166240	167066	0.58	cps
Yttrium	89-1	15513081	15285815	15112378	15303758	1.31	cps
Yttrium	89-2	4327252	3964679	4391889	4227940	5.45	cps
Zinc	66-2	361087	363741	361774	362201	0.38	cps
Zirconium	90-1	794508	789081	787972	790521	0.44	cps
Zirconium	91-1	175435	175013	174996	175148	0.14	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S04 Instrumnet Name : P7
Client Sample ID : S04 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:34:57 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	457926	455462	455590	456326	0.30	cps
Antimony	121-1	1128021	1136408	1130525	1131651	0.38	cps
Arsenic	75-2	61132	61406	61098	61212	0.28	cps
Barium	135-1	1458242	1467070	1465956	1463756	0.33	cps
Barium	137-1	2694269	2655300	2697107	2682225	0.87	cps
Beryllium	9-1	122867	122703	121762	122444	0.49	cps
Bismuth	209-1	7108963	7069649	7090086	7089566	0.28	cps
Bismuth	209-2	5692290	5740761	5749377	5727476	0.54	cps
Bromine	81-1	14474	14047	13456	13992	3.65	cps
Bromine	81-2	137	80	93	103	28.67	cps
Cadmium	108-1	22027	21973	21806	21936	0.52	cps
Cadmium	106-1	35092	35326	35510	35310	0.59	cps
Cadmium	111-1	279359	281986	278887	280077	0.60	cps
Calcium	43-1	281237	281628	276879	279915	0.94	cps
Calcium	44-1	4327598	4316576	4352750	4332308	0.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	461163	456272	456642	458026	0.59	cps
Cobalt	59-2	702663	703564	694416	700214	0.72	cps
Copper	63-2	4919126	4924319	4824566	4889337	1.15	cps
Dysprosium	156-1	20	47	27	31	44.61	cps
Dysprosium	156-2	83	67	100	83	20.00	cps
Erbium	164-1	57	77	67	67	15.00	cps
Erbium	164-2	60	43	27	43	38.46	cps
Gadolinium	160-1	20	57	53	43	46.79	cps
Gadolinium	160-2	450	410	360	407	11.09	cps
Holmium	165-1	11208396	11216383	11145450	11190076	0.35	cps
Holmium	165-2	8054518	7969516	8064926	8029653	0.65	cps
Indium	115-1	8945378	8785299	8816761	8849146	0.96	cps
Indium	115-2	3470228	3466254	3404069	3446850	1.08	cps
Iron	56-2	21487748	21140342	21204513	21277534	0.87	cps
Iron	57-2	548521	547373	543518	546471	0.48	cps
Iron	54-2	1198514	1195445	1192507	1195489	0.25	cps
Krypton	83-1	173	180	177	177	1.88	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S04 Instrumnet Name : P7
Client Sample ID : S04 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:34:57 DataFile Name : 007CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4874532	4975133	4852682	4900782	1.33	cps
Lead	207-1	4265349	4342984	4221694	4276676	1.44	cps
Lead	208-1	19493618	19751984	19493224	19579609	0.76	cps
Lithium	6-1	890658	895650	887902	891403	0.44	cps
Magnesium	24-2	4035266	4026691	3995277	4019078	0.52	cps
Manganese	55-2	3685213	3658716	3643115	3662348	0.58	cps
Molybdenum	94-1	3952905	3942360	3920763	3938676	0.42	cps
Molybdenum	95-1	5799683	5745613	5725076	5756791	0.67	cps
Molybdenum	96-1	6279953	6303094	6298286	6293778	0.19	cps
Molybdenum	97-1	3641429	3595442	3544303	3593725	1.35	cps
Molybdenum	98-1	9329187	9228496	9206080	9254588	0.71	cps
Neodymium	150-1	103	80	117	100	18.56	cps
Neodymium	150-2	23	37	23	28	27.73	cps
Nickel	60-2	179926	179064	178269	179086	0.46	cps
Phosphorus	31-2	24106	23842	23658	23869	0.94	cps
Potassium	39-2	2707188	2708335	2754049	2723191	0.98	cps
Rhodium	103-1	8126037	8013398	7906812	8015416	1.37	cps
Rhodium	103-2	4893037	4921021	4832261	4882107	0.93	cps
Scandium	45-1	4326892	4220232	4198861	4248662	1.61	cps
Scandium	45-2	419295	418076	417832	418401	0.19	cps
Selenium	82-1	17579	17470	17271	17440	0.90	cps
Selenium	77-2	1967	2087	2260	2105	7.01	cps
Selenium	78-2	7335	7342	7145	7274	1.54	cps
Silicon	28-1	1514563	1454377	1457696	1475546	2.29	cps
Silver	107-1	1448321	1447740	1441470	1445844	0.26	cps
Silver	109-1	1391244	1391202	1386851	1389766	0.18	cps
Sodium	23-2	6399029	6345952	6331581	6358854	0.56	cps
Strontium	86-1	356598	356018	356750	356456	0.11	cps
Strontium	88-1	3228063	3189112	3173360	3196845	0.88	cps
Sulfur	34-1	216664	212888	211503	213685	1.25	cps
Terbium	159-1	11648311	11352875	11500987	11500725	1.28	cps
Terbium	159-2	7987097	8057736	8026341	8023725	0.44	cps
Thallium	203-1	1095042	1111279	1111879	1106067	0.86	cps
Thallium	205-1	2866476	2892251	2874733	2877820	0.46	cps
Tin	118-1	952431	953145	946768	950782	0.37	cps
Titanium	47-1	1295658	1262681	1284922	1281087	1.31	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S04 Instrumnet Name : P7
Client Sample ID : S04 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:34:57 DataFile Name : 007CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	3926666	3914577	3893073	3911439	0.44	cps
Vanadium	51-2	404958	399887	401752	402199	0.64	cps
Yttrium	89-1	15001720	14960459	14793886	14918688	0.74	cps
Yttrium	89-2	4351591	4279568	4286073	4305744	0.93	cps
Zinc	66-2	878677	872212	878333	876407	0.42	cps
Zirconium	90-1	1963891	1972024	1944909	1960275	0.71	cps
Zirconium	91-1	427688	429157	424370	427072	0.57	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S05 Instrumnet Name : P7
Client Sample ID : S05 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:37:54 DataFile Name : 008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	892536	884057	874779	883790	1.00	cps
Antimony	121-1	2362187	2327945	2349536	2346556	0.74	cps
Arsenic	75-2	118384	117272	118525	118060	0.58	cps
Barium	135-1	3110435	3050019	3077694	3079382	0.98	cps
Barium	137-1	5319445	5318634	5259803	5299294	0.65	cps
Beryllium	9-1	241425	239777	237963	239721	0.72	cps
Bismuth	209-1	7248986	7184719	7162658	7198787	0.62	cps
Bismuth	209-2	5736620	5728773	6255713	5907035	5.11	cps
Bromine	81-1	13139	13520	12842	13167	2.58	cps
Bromine	81-2	93	107	97	99	7.02	cps
Cadmium	108-1	42937	43167	42780	42961	0.45	cps
Cadmium	106-1	64877	65928	63906	64904	1.56	cps
Cadmium	111-1	555197	551836	540968	549334	1.35	cps
Calcium	43-1	539400	535268	529253	534640	0.95	cps
Calcium	44-1	8411918	8247634	8196871	8285474	1.36	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	883211	883998	872392	879867	0.74	cps
Cobalt	59-2	1353700	1348345	1323448	1341831	1.20	cps
Copper	63-2	9500749	9418648	9351321	9423573	0.79	cps
Dysprosium	156-1	60	70	73	68	10.24	cps
Dysprosium	156-2	140	130	167	146	13.02	cps
Erbium	164-1	63	103	57	74	33.90	cps
Erbium	164-2	63	57	60	60	5.55	cps
Gadolinium	160-1	67	90	43	67	35.00	cps
Gadolinium	160-2	393	427	487	436	10.86	cps
Holmium	165-1	11282246	11306246	11223436	11270643	0.38	cps
Holmium	165-2	8111135	7987988	8737755	8278959	4.86	cps
Indium	115-1	8698778	8682901	8609026	8663569	0.55	cps
Indium	115-2	3380466	3396205	3665646	3480772	4.61	cps
Iron	56-2	41826418	41619589	40824936	41423647	1.28	cps
Iron	57-2	1060974	1056793	1048771	1055513	0.59	cps
Iron	54-2	2259039	2292751	2234805	2262198	1.29	cps
Krypton	83-1	133	167	123	141	16.08	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S05 Instrumnet Name : P7
Client Sample ID : S05 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:37:54 DataFile Name : 008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	9959729	9944689	10008630	9971016	0.34	cps
Lead	207-1	8769017	8703661	8710209	8727629	0.41	cps
Lead	208-1	40065585	40030204	40228388	40108059	0.26	cps
Lithium	6-1	892323	895018	896872	894738	0.26	cps
Magnesium	24-2	7861010	7826382	7653830	7780408	1.43	cps
Manganese	55-2	7294031	7154816	7021466	7156771	1.90	cps
Molybdenum	94-1	7840907	7824012	7747942	7804287	0.63	cps
Molybdenum	95-1	11427550	11366530	11273583	11355888	0.68	cps
Molybdenum	96-1	12351720	12299399	12182349	12277822	0.71	cps
Molybdenum	97-1	7117458	7033280	6917789	7022842	1.43	cps
Molybdenum	98-1	18259866	18006618	17938713	18068399	0.94	cps
Neodymium	150-1	127	207	177	170	23.77	cps
Neodymium	150-2	47	53	37	46	18.41	cps
Nickel	60-2	344096	343059	338768	341974	0.83	cps
Phosphorus	31-2	46133	45387	45310	45610	1.00	cps
Potassium	39-2	5156070	5124392	5057987	5112816	0.98	cps
Rhodium	103-1	7770242	7762048	7558982	7697091	1.55	cps
Rhodium	103-2	4758748	4743203	5194302	4898751	5.23	cps
Scandium	45-1	4121742	4085964	3999792	4069166	1.54	cps
Scandium	45-2	408001	404116	440623	417580	4.80	cps
Selenium	82-1	34170	34216	33697	34028	0.85	cps
Selenium	77-2	3924	4034	3837	3932	2.51	cps
Selenium	78-2	13309	13153	13483	13315	1.24	cps
Silicon	28-1	1836790	1833803	1793261	1821284	1.34	cps
Silver	107-1	2990985	2941607	2958779	2963790	0.85	cps
Silver	109-1	2861462	2810863	2763167	2811831	1.75	cps
Sodium	23-2	12400708	12370976	12278498	12350061	0.52	cps
Strontium	86-1	697374	698531	692666	696190	0.45	cps
Strontium	88-1	6286515	6310520	6202187	6266407	0.91	cps
Sulfur	34-1	269090	268785	262996	266957	1.29	cps
Terbium	159-1	11580320	11266500	11492951	11446590	1.41	cps
Terbium	159-2	7911201	7960246	8751978	8207808	5.75	cps
Thallium	203-1	2458364	2471890	2443647	2457967	0.57	cps
Thallium	205-1	5870313	5940365	5984790	5931822	0.97	cps
Tin	118-1	1968928	1940205	1968213	1959115	0.84	cps
Titanium	47-1	2467244	2461095	2424074	2450804	0.95	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S05 Instrumnet Name : P7
Client Sample ID : S05 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:37:54 DataFile Name : 008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	8003064	8039535	8061122	8034574	0.37	cps
Vanadium	51-2	781833	772397	768774	774335	0.87	cps
Yttrium	89-1	14636816	14515301	14358916	14503677	0.96	cps
Yttrium	89-2	4186109	4217768	4482805	4295561	3.79	cps
Zinc	66-2	1725675	1751512	1738789	1738659	0.74	cps
Zirconium	90-1	3902023	3835794	3848346	3862054	0.91	cps
Zirconium	91-1	842955	846534	830721	840070	0.99	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S06 Instrumnet Name : P7
Client Sample ID : S06 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:40:42 DataFile Name : 009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1739836	1723576	1741406	1734939	0.57	cps
Antimony	121-1	4630726	4643240	4594020	4622662	0.55	cps
Arsenic	75-2	228871	229399	231365	229878	0.57	cps
Barium	135-1	6090992	6058103	6031258	6060118	0.49	cps
Barium	137-1	10419780	10467224	10387388	10424797	0.39	cps
Beryllium	9-1	462745	459846	454935	459175	0.86	cps
Bismuth	209-1	7177642	7186550	7176352	7180181	0.08	cps
Bismuth	209-2	5729127	5801012	5731562	5753901	0.71	cps
Bromine	81-1	12455	12809	12495	12587	1.54	cps
Bromine	81-2	137	77	90	101	31.16	cps
Cadmium	108-1	83384	83595	82208	83062	0.90	cps
Cadmium	106-1	120813	121166	120410	120797	0.31	cps
Cadmium	111-1	1058226	1062958	1052616	1057933	0.49	cps
Calcium	43-1	1023043	1016515	1000649	1013402	1.14	cps
Calcium	44-1	15876411	15646938	15780869	15768073	0.73	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1717314	1742726	1707385	1722475	1.06	cps
Cobalt	59-2	2673507	2643048	2663535	2660030	0.58	cps
Copper	63-2	18268245	18080170	18169276	18172564	0.52	cps
Dysprosium	156-1	113	113	130	119	8.10	cps
Dysprosium	156-2	300	340	303	314	7.06	cps
Erbium	164-1	103	77	97	92	15.05	cps
Erbium	164-2	83	70	90	81	12.55	cps
Gadolinium	160-1	100	107	83	97	12.44	cps
Gadolinium	160-2	430	427	357	404	10.24	cps
Holmium	165-1	11412351	11483532	11353847	11416576	0.57	cps
Holmium	165-2	8185023	8228925	8139100	8184349	0.55	cps
Indium	115-1	8497698	8450856	8386866	8445140	0.66	cps
Indium	115-2	3302001	3306881	3292870	3300584	0.22	cps
Iron	56-2	80882334	80399195	80056389	80445973	0.52	cps
Iron	57-2	2043685	2000121	1993021	2012276	1.36	cps
Iron	54-2	4456694	4412728	4384934	4418119	0.82	cps
Krypton	83-1	183	157	153	164	10.00	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S06 Instrumnet Name : P7
Client Sample ID : S06 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:40:42 DataFile Name : 009CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19957663	19756503	20108775	19940980	0.89	cps
Lead	207-1	17596822	17594198	17561646	17584222	0.11	cps
Lead	208-1	80114675	80064462	80471081	80216739	0.28	cps
Lithium	6-1	890424	895367	890473	892088	0.32	cps
Magnesium	24-2	15474630	15259213	15114872	15282905	1.18	cps
Manganese	55-2	13952546	14024406	13879479	13952144	0.52	cps
Molybdenum	94-1	15174839	15015419	15093889	15094716	0.53	cps
Molybdenum	95-1	21904530	21894270	21851640	21883480	0.13	cps
Molybdenum	96-1	24094014	23977144	23849984	23973714	0.51	cps
Molybdenum	97-1	13695715	13773065	13550453	13673078	0.83	cps
Molybdenum	98-1	35416928	35282369	34809676	35169658	0.91	cps
Neodymium	150-1	383	330	260	324	19.06	cps
Neodymium	150-2	80	70	90	80	12.50	cps
Nickel	60-2	652289	650744	651793	651609	0.12	cps
Phosphorus	31-2	86747	86147	86576	86490	0.36	cps
Potassium	39-2	9946196	9786337	9928623	9887052	0.89	cps
Rhodium	103-1	7564018	7452203	7400902	7472374	1.12	cps
Rhodium	103-2	4668286	4677900	4613861	4653349	0.74	cps
Scandium	45-1	3943399	3883588	3897181	3908056	0.80	cps
Scandium	45-2	394222	391995	392147	392788	0.32	cps
Selenium	82-1	64619	63994	64061	64225	0.53	cps
Selenium	77-2	7662	7489	7225	7459	2.95	cps
Selenium	78-2	25545	25599	25175	25440	0.91	cps
Silicon	28-1	2607832	2580129	2543452	2577138	1.25	cps
Silver	107-1	5659294	5689585	5549776	5632885	1.31	cps
Silver	109-1	5471189	5406010	5385904	5421034	0.82	cps
Sodium	23-2	23921012	24245738	24089831	24085527	0.67	cps
Strontium	86-1	1348951	1347829	1333194	1343325	0.65	cps
Strontium	88-1	12118209	12103431	12093249	12104963	0.10	cps
Sulfur	34-1	382007	377136	374420	377854	1.02	cps
Terbium	159-1	11588151	11775432	11668873	11677485	0.80	cps
Terbium	159-2	8110425	8017516	8060440	8062794	0.58	cps
Thallium	203-1	4968139	4958664	4946629	4957811	0.22	cps
Thallium	205-1	11926161	11829747	11962581	11906163	0.58	cps
Tin	118-1	3858466	3866591	3812012	3845690	0.77	cps
Titanium	47-1	4704555	4698846	4631902	4678434	0.86	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S06 Instrumnet Name : P7
Client Sample ID : S06 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:40:42 DataFile Name : 009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16247264	16452463	16192700	16297475	0.84	cps
Vanadium	51-2	1511129	1494838	1498910	1501626	0.56	cps
Yttrium	89-1	14062431	14065545	14116554	14081510	0.22	cps
Yttrium	89-2	4091460	4134693	4116434	4114195	0.53	cps
Zinc	66-2	3383235	3348466	3322454	3351385	0.91	cps
Zirconium	90-1	7416847	7367300	7430395	7404847	0.45	cps
Zirconium	91-1	1658021	1613510	1628998	1633510	1.38	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S07 Instrumnet Name : P7
Client Sample ID : S07 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:43:28 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3384141	3449535	3429298	3420991	0.98	cps
Antimony	121-1	9114576	9141991	9203215	9153261	0.50	cps
Arsenic	75-2	453097	451706	452431	452411	0.15	cps
Barium	135-1	11929524	12067859	11981243	11992875	0.58	cps
Barium	137-1	20604364	20915101	20864378	20794614	0.80	cps
Beryllium	9-1	877690	885574	883088	882117	0.46	cps
Bismuth	209-1	7336833	7181971	7144177	7220994	1.41	cps
Bismuth	209-2	5604817	5608834	5639677	5617776	0.34	cps
Bromine	81-1	13253	12889	13046	13063	1.40	cps
Bromine	81-2	93	87	70	83	14.42	cps
Cadmium	108-1	159687	162613	161713	161338	0.93	cps
Cadmium	106-1	230578	231789	230321	230896	0.34	cps
Cadmium	111-1	2136411	2169924	2151244	2152526	0.78	cps
Calcium	43-1	1917650	1925579	1918176	1920468	0.23	cps
Calcium	44-1	30950557	31086340	30880882	30972593	0.34	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3365308	3344269	3428985	3379521	1.31	cps
Cobalt	59-2	5181336	5129154	5144952	5151814	0.52	cps
Copper	63-2	35279384	35156331	35477232	35304316	0.46	cps
Dysprosium	156-1	207	240	250	232	9.77	cps
Dysprosium	156-2	663	660	610	644	4.64	cps
Erbium	164-1	183	173	223	193	13.68	cps
Erbium	164-2	120	163	167	150	17.36	cps
Gadolinium	160-1	160	157	167	161	3.16	cps
Gadolinium	160-2	450	473	457	460	2.61	cps
Holmium	165-1	11726261	11313128	11361452	11466947	1.97	cps
Holmium	165-2	8143428	8164683	8099678	8135929	0.41	cps
Indium	115-1	8550243	8239570	8223113	8337642	2.21	cps
Indium	115-2	3230161	3187115	3231369	3216215	0.78	cps
Iron	56-2	158108058	159673014	157600691	158460588	0.68	cps
Iron	57-2	4004888	3943644	3935394	3961309	0.96	cps
Iron	54-2	8626790	8565573	8649914	8614092	0.51	cps
Krypton	83-1	167	127	153	149	13.68	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S07 Instrumnet Name : P7
Client Sample ID : S07 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:43:28 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	39746669	39565771	39478181	39596874	0.35	cps
Lead	207-1	34753169	34924891	34861360	34846473	0.25	cps
Lead	208-1	158659443	160306438	159344627	159436836	0.52	cps
Lithium	6-1	889636	882857	877846	883446	0.67	cps
Magnesium	24-2	29846684	30012453	29950384	29936507	0.28	cps
Manganese	55-2	27552511	27464480	27314258	27443750	0.44	cps
Molybdenum	94-1	29458665	29786827	29853936	29699810	0.71	cps
Molybdenum	95-1	42723187	43031046	42981543	42911925	0.39	cps
Molybdenum	96-1	47328314	46748023	47124149	47066829	0.63	cps
Molybdenum	97-1	26833569	27063487	26924575	26940544	0.43	cps
Molybdenum	98-1	68944071	69265921	69256637	69155543	0.26	cps
Neodymium	150-1	697	733	720	717	2.59	cps
Neodymium	150-2	180	240	173	198	18.57	cps
Nickel	60-2	1259938	1254110	1261202	1258417	0.30	cps
Phosphorus	31-2	171225	168711	170891	170276	0.80	cps
Potassium	39-2	19349636	19529254	19665655	19514849	0.81	cps
Rhodium	103-1	7563263	7235277	7257577	7352039	2.49	cps
Rhodium	103-2	4556349	4574859	4593298	4574835	0.40	cps
Scandium	45-1	3949523	3815297	3848202	3871008	1.81	cps
Scandium	45-2	392111	388891	393044	391349	0.56	cps
Selenium	82-1	124829	124613	124144	124529	0.28	cps
Selenium	77-2	14911	14157	14801	14623	2.79	cps
Selenium	78-2	49362	49008	49546	49305	0.55	cps
Silicon	28-1	4210819	4187155	4096110	4164695	1.45	cps
Silver	107-1	10944597	10906808	10964644	10938683	0.27	cps
Silver	109-1	10435582	10497675	10526429	10486562	0.44	cps
Sodium	23-2	47422344	47545059	47591136	47519513	0.18	cps
Strontium	86-1	2722801	2752610	2696414	2723941	1.03	cps
Strontium	88-1	23699031	23863780	23801610	23788140	0.35	cps
Sulfur	34-1	625427	624101	626346	625292	0.18	cps
Terbium	159-1	11964385	11748431	11450008	11720941	2.20	cps
Terbium	159-2	8173666	7947440	8009498	8043535	1.45	cps
Thallium	203-1	9783790	9863876	9744185	9797284	0.62	cps
Thallium	205-1	23661945	23595623	23591222	23616264	0.17	cps
Tin	118-1	7499053	7614749	7612192	7575331	0.87	cps
Titanium	47-1	9140797	9185553	9179929	9168760	0.27	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S07 Instrumnet Name : P7
Client Sample ID : S07 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:43:28 DataFile Name : 010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	32685747	33001470	32622754	32769990	0.62	cps
Vanadium	51-2	2991924	2962459	3039396	2997926	1.29	cps
Yttrium	89-1	14375201	13832181	13811396	14006260	2.28	cps
Yttrium	89-2	4095274	4052873	4124569	4090905	0.88	cps
Zinc	66-2	6516049	6447784	6535335	6499723	0.71	cps
Zirconium	90-1	14622826	14742249	14769409	14711495	0.53	cps
Zirconium	91-1	3230287	3273277	3241360	3248308	0.69	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S08 Instrumnet Name : P7
Client Sample ID : S08 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:46:12 DataFile Name : 011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	18147959	17939686	17978007	18021884	0.62	cps
Antimony	121-1	2744	2574	2610	2642	3.39	cps
Arsenic	75-2	263	267	250	260	3.39	cps
Barium	135-1	4097	4124	4131	4117	0.43	cps
Barium	137-1	7382	7289	7022	7231	2.59	cps
Beryllium	9-1	313	230	203	249	23.05	cps
Bismuth	209-1	6291134	6202351	6271925	6255137	0.75	cps
Bismuth	209-2	5020832	4993715	4963287	4992611	0.58	cps
Bromine	81-1	13323	13560	13973	13619	2.42	cps
Bromine	81-2	107	103	113	108	4.73	cps
Cadmium	108-1	113	103	67	94	26.02	cps
Cadmium	106-1	4177	4174	4307	4220	1.80	cps
Cadmium	111-1	1026	1026	1125	1059	5.39	cps
Calcium	43-1	9862326	9956774	9921882	9913661	0.48	cps
Calcium	44-1	160908598	161063418	161559618	161177211	0.21	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8429	8897	8613	8646	2.73	cps
Cobalt	59-2	13776	14107	14140	14008	1.43	cps
Copper	63-2	5521	5604	5258	5461	3.31	cps
Dysprosium	156-1	323	407	270	333	20.66	cps
Dysprosium	156-2	283	300	277	287	4.19	cps
Erbium	164-1	393	470	437	433	8.87	cps
Erbium	164-2	323	303	343	323	6.19	cps
Gadolinium	160-1	343	343	330	339	2.27	cps
Gadolinium	160-2	613	603	683	633	6.88	cps
Holmium	165-1	10904112	10799990	10848772	10850958	0.48	cps
Holmium	165-2	7735784	7769926	7801228	7768979	0.42	cps
Indium	115-1	7854380	7854220	7924097	7877566	0.51	cps
Indium	115-2	3095819	3148461	3185216	3143165	1.43	cps
Iron	56-2	787368388	782110522	789795642	786424851	0.50	cps
Iron	57-2	19913622	19991319	19763133	19889358	0.58	cps
Iron	54-2	42491259	42146792	42416429	42351494	0.43	cps
Krypton	83-1	163	217	203	194	14.27	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S08 Instrumnet Name : P7
Client Sample ID : S08 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:46:12 DataFile Name : 011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3624	3564	3347	3512	4.15	cps
Lead	207-1	3174	3287	2904	3122	6.31	cps
Lead	208-1	14353	14513	13626	14164	3.34	cps
Lithium	6-1	840780	848750	842792	844107	0.49	cps
Magnesium	24-2	156725518	156378008	156069941	156391155	0.21	cps
Manganese	55-2	13763	14327	14387	14159	2.43	cps
Molybdenum	94-1	12555	12726	12642	12641	0.67	cps
Molybdenum	95-1	4754	5051	5028	4944	3.34	cps
Molybdenum	96-1	16680	16686	16186	16517	1.74	cps
Molybdenum	97-1	3227	3134	3190	3184	1.48	cps
Molybdenum	98-1	7595	7572	7138	7435	3.46	cps
Neodymium	150-1	180	223	230	211	12.86	cps
Neodymium	150-2	120	147	123	130	11.18	cps
Nickel	60-2	6501	6425	6598	6508	1.34	cps
Phosphorus	31-2	183	187	170	180	4.90	cps
Potassium	39-2	102011945	101147002	101825762	101661570	0.45	cps
Rhodium	103-1	6636203	6717437	6775791	6709810	1.04	cps
Rhodium	103-2	4162446	4191500	4248504	4200817	1.04	cps
Scandium	45-1	3780795	3887862	3892753	3853803	1.64	cps
Scandium	45-2	399146	397505	398518	398390	0.21	cps
Selenium	82-1	416	406	353	392	8.53	cps
Selenium	77-2	0	10	3	4	114.60	cps
Selenium	78-2	363	313	363	347	8.33	cps
Silicon	28-1	619004	623675	619221	620634	0.42	cps
Silver	107-1	1093	983	980	1019	6.33	cps
Silver	109-1	1030	777	793	867	16.35	cps
Sodium	23-2	245940463	244344590	246458850	245581301	0.45	cps
Strontium	86-1	9306	8836	9216	9120	2.74	cps
Strontium	88-1	77667	77191	77824	77561	0.43	cps
Sulfur	34-1	120104	122674	124518	122432	1.81	cps
Terbium	159-1	11036369	11096907	11054545	11062607	0.28	cps
Terbium	159-2	7731899	7567844	7679586	7659777	1.09	cps
Thallium	203-1	600	543	557	567	5.23	cps
Thallium	205-1	1440	1343	1233	1339	7.72	cps
Tin	118-1	2277	2150	2160	2196	3.21	cps
Titanium	47-1	530	737	653	640	16.25	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : S08 Instrumnet Name : P7
Client Sample ID : S08 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 17:46:12 DataFile Name : 011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1010	743	757	837	17.96	cps
Vanadium	51-2	857	850	810	839	3.01	cps
Yttrium	89-1	13503272	13653968	13705107	13620783	0.77	cps
Yttrium	89-2	4006787	4048797	4099252	4051612	1.14	cps
Zinc	66-2	2970	3027	3350	3116	6.58	cps
Zirconium	90-1	25405	25873	25806	25695	0.98	cps
Zirconium	91-1	5708	5654	5564	5642	1.28	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICV004 Instrumnet Name : P7
Client Sample ID : ICV004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:02:02 DataFile Name : 014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	85037	84715	84397	84716	0.38	cps
Antimony	121-1	1881482	1865710	1878899	1875364	0.45	cps
Arsenic	75-2	97937	95679	96189	96601	1.23	cps
Barium	135-1	233653	236867	235401	235307	0.68	cps
Barium	137-1	408052	410989	409641	409560	0.36	cps
Beryllium	9-1	94320	94109	93096	93842	0.70	cps
Bismuth	209-1	7388593	7253856	7278518	7306989	0.98	cps
Bismuth	209-2	5884676	5862012	5877059	5874582	0.20	cps
Bromine	81-1	13039	12976	13043	13019	0.29	cps
Bromine	81-2	117	100	107	108	7.78	cps
Cadmium	108-1	25302	24297	24411	24670	2.23	cps
Cadmium	106-1	40329	40403	41245	40659	1.25	cps
Cadmium	111-1	222822	225128	226145	224698	0.76	cps
Calcium	43-1	45358	45508	45561	45476	0.23	cps
Calcium	44-1	699862	700129	696829	698940	0.26	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	359068	356253	360760	358694	0.63	cps
Cobalt	59-2	549357	548152	547338	548283	0.19	cps
Copper	63-2	378012	377496	375292	376934	0.38	cps
Dysprosium	156-1	13	13	13	13	0.00	cps
Dysprosium	156-2	30	27	33	30	11.10	cps
Erbium	164-1	33	67	47	49	34.32	cps
Erbium	164-2	50	57	40	49	17.16	cps
Gadolinium	160-1	30	33	43	36	19.51	cps
Gadolinium	160-2	420	470	413	434	7.13	cps
Holmium	165-1	11301938	11235027	11162645	11233203	0.62	cps
Holmium	165-2	8049485	7991076	8056462	8032341	0.45	cps
Indium	115-1	8603665	8515867	8371037	8496856	1.38	cps
Indium	115-2	3376172	3320451	3337308	3344644	0.85	cps
Iron	56-2	6608847	6543324	6521979	6558050	0.69	cps
Iron	57-2	170013	167710	166109	167944	1.17	cps
Iron	54-2	378322	376719	374016	376352	0.58	cps
Krypton	83-1	143	170	123	146	16.09	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICV004 Instrumnet Name : P7
Client Sample ID : ICV004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:02:02 DataFile Name : 014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1519848	1524269	1532814	1525644	0.43	cps
Lead	207-1	1268823	1280548	1275891	1275087	0.46	cps
Lead	208-1	6275943	6231574	6273981	6260499	0.40	cps
Lithium	6-1	886297	886606	882227	885043	0.28	cps
Magnesium	24-2	345171	342730	343831	343911	0.36	cps
Manganese	55-2	282951	280801	282020	281924	0.38	cps
Molybdenum	94-1	14784598	14752603	14671652	14736284	0.40	cps
Molybdenum	95-1	21263468	21197629	21118908	21193335	0.34	cps
Molybdenum	96-1	23460116	23345315	23044695	23283375	0.92	cps
Molybdenum	97-1	13191851	13211036	13161882	13188256	0.19	cps
Molybdenum	98-1	34227075	34049834	34074814	34117241	0.28	cps
Neodymium	150-1	23	33	20	26	27.15	cps
Neodymium	150-2	10	17	10	12	31.50	cps
Nickel	60-2	142145	141685	141298	141709	0.30	cps
Phosphorus	31-2	163	150	133	149	10.09	cps
Potassium	39-2	856463	850401	848236	851700	0.50	cps
Rhodium	103-1	7722379	7688675	7696623	7702559	0.23	cps
Rhodium	103-2	4850561	4796171	4813488	4820073	0.58	cps
Scandium	45-1	3938957	3869518	3875333	3894603	0.99	cps
Scandium	45-2	399235	398190	396759	398062	0.31	cps
Selenium	82-1	27604	27762	27476	27614	0.52	cps
Selenium	77-2	3374	3347	3144	3288	3.83	cps
Selenium	78-2	11124	11281	11148	11184	0.76	cps
Silicon	28-1	2338726	2340873	2331700	2337100	0.21	cps
Silver	107-1	545399	545177	541899	544159	0.36	cps
Silver	109-1	520604	519156	515095	518285	0.55	cps
Sodium	23-2	971134	963975	960746	965285	0.55	cps
Strontium	86-1	1331372	1324381	1321806	1325853	0.37	cps
Strontium	88-1	12079661	12058675	12008434	12048923	0.30	cps
Sulfur	34-1	113793	111043	110560	111798	1.56	cps
Terbium	159-1	11539255	11565768	11398465	11501163	0.78	cps
Terbium	159-2	8009817	8070073	7946896	8008929	0.77	cps
Thallium	203-1	2043018	2034552	2008575	2028715	0.88	cps
Thallium	205-1	4919962	4864158	4838782	4874301	0.85	cps
Tin	118-1	3999762	3949620	3922960	3957447	0.99	cps
Titanium	47-1	4588760	4488932	4515157	4530950	1.14	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICV004 Instrumnet Name : P7
Client Sample ID : ICV004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:02:02 DataFile Name : 014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15434134	15635016	15368942	15479364	0.90	cps
Vanadium	51-2	306318	303614	304835	304923	0.44	cps
Yttrium	89-1	14237449	14256718	14179642	14224603	0.28	cps
Yttrium	89-2	4222821	4147767	4146935	4172508	1.04	cps
Zinc	66-2	134640	133829	134173	134214	0.30	cps
Zirconium	90-1	7267435	7249403	7263063	7259967	0.13	cps
Zirconium	91-1	1619391	1587605	1612145	1606380	1.04	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICB004 Instrumnet Name : P7
Client Sample ID : ICB004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:09:02 DataFile Name : 016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	163	187	200	183	10.12	cps
Antimony	121-1	110	123	110	114	6.72	cps
Arsenic	75-2	13	3	3	7	86.65	cps
Barium	135-1	73	57	63	64	13.01	cps
Barium	137-1	133	133	70	112	32.59	cps
Beryllium	9-1	310	93	90	164	76.67	cps
Bismuth	209-1	7029003	7234813	7186009	7149942	1.50	cps
Bismuth	209-2	5883344	5795185	5891149	5856559	0.91	cps
Bromine	81-1	13733	13720	13957	13803	0.96	cps
Bromine	81-2	50	80	43	58	33.81	cps
Cadmium	108-1	3	10	3	6	69.34	cps
Cadmium	106-1	3987	4267	4244	4166	3.73	cps
Cadmium	111-1	818	860	860	846	2.82	cps
Calcium	43-1	910	193	240	448	89.57	cps
Calcium	44-1	13809	5921	5538	8423	55.43	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	623	683	677	661	4.97	cps
Cobalt	59-2	97	127	140	121	18.32	cps
Copper	63-2	1210	1293	1387	1297	6.82	cps
Dysprosium	156-1	10	17	3	10	66.70	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	47	40	60	49	20.83	cps
Erbium	164-2	40	47	60	49	20.83	cps
Gadolinium	160-1	47	67	27	47	42.85	cps
Gadolinium	160-2	433	427	437	432	1.18	cps
Holmium	165-1	10878968	11190286	11137844	11069032	1.51	cps
Holmium	165-2	7999121	7963911	8043576	8002203	0.50	cps
Indium	115-1	8394581	8725930	8731700	8617404	2.24	cps
Indium	115-2	3465062	3408574	3422656	3432097	0.86	cps
Iron	56-2	14711	14924	14250	14628	2.35	cps
Iron	57-2	1027	1020	973	1007	2.89	cps
Iron	54-2	1857	1890	1787	1845	2.86	cps
Krypton	83-1	127	150	130	136	9.31	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICB004 Instrumnet Name : P7
Client Sample ID : ICB004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:09:02 DataFile Name : 016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	843	693	753	763	9.89	cps
Lead	207-1	627	667	643	646	3.11	cps
Lead	208-1	3174	2880	2973	3009	4.98	cps
Lithium	6-1	877973	882315	887107	882465	0.52	cps
Magnesium	24-2	687	730	737	718	3.78	cps
Manganese	55-2	187	203	137	176	19.76	cps
Molybdenum	94-1	880	303	307	497	66.87	cps
Molybdenum	95-1	707	217	207	377	75.91	cps
Molybdenum	96-1	747	220	277	415	69.78	cps
Molybdenum	97-1	393	110	100	201	82.82	cps
Molybdenum	98-1	747	270	300	439	60.85	cps
Neodymium	150-1	10	3	7	7	50.03	cps
Neodymium	150-2	0	0	0	0	0.00	cps
Nickel	60-2	1333	1307	1383	1341	2.90	cps
Phosphorus	31-2	167	113	170	150	21.20	cps
Potassium	39-2	44893	45738	45327	45319	0.93	cps
Rhodium	103-1	7539507	7810753	7816104	7722122	2.05	cps
Rhodium	103-2	4946567	4849491	4901687	4899248	0.99	cps
Scandium	45-1	3867051	4077653	3960538	3968414	2.66	cps
Scandium	45-2	405922	402682	397758	402121	1.02	cps
Selenium	82-1	286	311	286	294	4.84	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	347	360	333	347	3.85	cps
Silicon	28-1	613145	610604	611146	611632	0.22	cps
Silver	107-1	150	90	120	120	25.00	cps
Silver	109-1	73	50	57	60	20.03	cps
Sodium	23-2	19079	18715	18301	18698	2.08	cps
Strontium	86-1	393	277	293	321	19.65	cps
Strontium	88-1	587	197	210	331	66.88	cps
Sulfur	34-1	122607	125678	125335	124540	1.35	cps
Terbium	159-1	11044650	11600919	11406840	11350803	2.49	cps
Terbium	159-2	7998307	8039279	7931517	7989701	0.68	cps
Thallium	203-1	257	227	320	268	17.80	cps
Thallium	205-1	620	553	637	603	7.31	cps
Tin	118-1	1473	1387	1217	1359	9.61	cps
Titanium	47-1	1188	83	63	445	144.67	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICB004 Instrumnet Name : P7
Client Sample ID : ICB004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:09:02 DataFile Name : 016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	2297	67	33	799	162.38	cps
Vanadium	51-2	13	17	23	18	28.64	cps
Yttrium	89-1	13883516	14341293	14323931	14182914	1.83	cps
Yttrium	89-2	4278362	4227761	4219642	4241922	0.75	cps
Zinc	66-2	420	497	433	450	9.10	cps
Zirconium	90-1	830	480	580	630	28.62	cps
Zirconium	91-1	160	100	97	119	29.98	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICSA004 Instrumnet Name : P7
Client Sample ID : ICSA004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:12:19 DataFile Name : 017ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16646861	16349621	16402813	16466431	0.96	cps
Antimony	121-1	10214	10294	10207	10238	0.47	cps
Arsenic	75-2	167	170	163	167	2.00	cps
Barium	135-1	3504	3357	3671	3510	4.47	cps
Barium	137-1	5918	5981	6038	5979	1.00	cps
Beryllium	9-1	337	323	327	329	2.11	cps
Bismuth	209-1	6755284	6542918	6916140	6738114	2.78	cps
Bismuth	209-2	5525399	5510435	5538906	5524913	0.26	cps
Bromine	81-1	13333	13743	13840	13639	1.97	cps
Bromine	81-2	133	200	127	153	26.44	cps
Cadmium	108-1	1523	1300	1397	1407	7.96	cps
Cadmium	106-1	4051	3814	4047	3971	3.42	cps
Cadmium	111-1	1567	1560	1495	1541	2.57	cps
Calcium	43-1	1981110	2027402	2023890	2010801	1.28	cps
Calcium	44-1	32207651	32639920	32023955	32290509	0.98	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	72520	71070	71465	71685	1.05	cps
Cobalt	59-2	6778	7075	6928	6927	2.14	cps
Copper	63-2	29239	29359	29893	29497	1.18	cps
Dysprosium	156-1	33	33	30	32	5.97	cps
Dysprosium	156-2	27	43	50	40	30.04	cps
Erbium	164-1	83	83	110	92	16.70	cps
Erbium	164-2	43	53	63	53	18.75	cps
Gadolinium	160-1	67	63	90	73	19.81	cps
Gadolinium	160-2	447	467	457	457	2.19	cps
Holmium	165-1	11173320	10503103	11452193	11042872	4.42	cps
Holmium	165-2	8092377	8018775	8113079	8074743	0.61	cps
Indium	115-1	8170511	7671772	8302497	8048260	4.13	cps
Indium	115-2	3281046	3264522	3330554	3292041	1.04	cps
Iron	56-2	331864135	331344662	332958588	332055795	0.25	cps
Iron	57-2	8328631	8223962	8303039	8285211	0.66	cps
Iron	54-2	18034342	17808261	17904210	17915604	0.63	cps
Krypton	83-1	163	110	170	148	22.25	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICSA004 Instrumnet Name : P7
Client Sample ID : ICSA004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:12:19 DataFile Name : 017ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	39417	37919	37936	38424	2.24	cps
Lead	207-1	31767	30133	30431	30777	2.83	cps
Lead	208-1	149264	144794	141934	145331	2.54	cps
Lithium	6-1	852387	829067	862155	847869	2.01	cps
Magnesium	24-2	28862275	28808712	28904944	28858643	0.17	cps
Manganese	55-2	22527	22484	22347	22452	0.42	cps
Molybdenum	94-1	4908774	4896204	4938940	4914639	0.45	cps
Molybdenum	95-1	8752260	8763962	8811788	8776003	0.36	cps
Molybdenum	96-1	9304242	9411182	9462946	9392790	0.86	cps
Molybdenum	97-1	5411184	5474994	5527676	5471285	1.07	cps
Molybdenum	98-1	14063510	14127636	13990675	14060607	0.49	cps
Neodymium	150-1	63	43	27	44	41.30	cps
Neodymium	150-2	20	20	23	21	9.11	cps
Nickel	60-2	8683	8886	9056	8875	2.11	cps
Phosphorus	31-2	897367	888849	888269	891495	0.57	cps
Potassium	39-2	40122384	40368325	40187088	40225932	0.32	cps
Rhodium	103-1	7137464	6706664	7196064	7013397	3.81	cps
Rhodium	103-2	4560068	4552419	4592421	4568303	0.46	cps
Scandium	45-1	3817357	3597268	3865005	3759877	3.80	cps
Scandium	45-2	393261	392987	390397	392215	0.40	cps
Selenium	82-1	308	337	260	302	12.95	cps
Selenium	77-2	0	7	3	3	100.05	cps
Selenium	78-2	350	347	343	347	0.96	cps
Silicon	28-1	621004	624100	631766	625623	0.89	cps
Silver	107-1	287	353	343	328	10.97	cps
Silver	109-1	287	357	383	342	14.59	cps
Sodium	23-2	49160474	49217791	49194471	49190912	0.06	cps
Strontium	86-1	94899	95715	95731	95449	0.50	cps
Strontium	88-1	820391	826412	832553	826452	0.74	cps
Sulfur	34-1	2830476	2827696	2809335	2822502	0.41	cps
Terbium	159-1	11399404	10811665	11763866	11324978	4.24	cps
Terbium	159-2	7998270	7887523	8019619	7968471	0.89	cps
Thallium	203-1	1517	1570	1513	1533	2.07	cps
Thallium	205-1	3480	3787	3657	3642	4.23	cps
Tin	118-1	3957	4134	3894	3995	3.11	cps
Titanium	47-1	1916718	1904774	1930560	1917351	0.67	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICSA004 Instrumnet Name : P7
Client Sample ID : ICSA004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:12:19 DataFile Name : 017ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	563	540	513	539	4.64	cps
Vanadium	51-2	647	643	617	636	2.59	cps
Yttrium	89-1	13822743	13074660	13912926	13603443	3.38	cps
Yttrium	89-2	4132117	4148859	4176083	4152353	0.53	cps
Zinc	66-2	7882	8096	7996	7991	1.34	cps
Zirconium	90-1	757	727	843	776	7.81	cps
Zirconium	91-1	173	150	183	169	10.13	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICSAB004 Instrumnet Name : P7
Client Sample ID : ICSAB004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:15:24 DataFile Name : 018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	16746531	16882874	16759182	16796196	0.45	cps
Antimony	121-1	195983	195638	196064	195895	0.12	cps
Arsenic	75-2	9973	10003	10204	10060	1.24	cps
Barium	135-1	51406	52198	52811	52138	1.35	cps
Barium	137-1	88312	89110	89727	89050	0.80	cps
Beryllium	9-1	19339	19399	19335	19358	0.18	cps
Bismuth	209-1	7080534	7070440	6957222	7036065	0.97	cps
Bismuth	209-2	5638345	5583735	5555514	5592531	0.75	cps
Bromine	81-1	14471	14547	14304	14440	0.86	cps
Bromine	81-2	207	227	177	203	12.38	cps
Cadmium	108-1	4524	4307	4547	4460	2.97	cps
Cadmium	106-1	8292	8362	8236	8297	0.77	cps
Cadmium	111-1	45434	45108	45329	45291	0.37	cps
Calcium	43-1	2049609	2071290	2030887	2050595	0.99	cps
Calcium	44-1	33248903	33046054	33095825	33130261	0.32	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	145151	145386	143922	144820	0.54	cps
Cobalt	59-2	117169	117012	116652	116944	0.23	cps
Copper	63-2	102376	103091	103280	102916	0.46	cps
Dysprosium	156-1	37	60	57	51	24.69	cps
Dysprosium	156-2	57	30	63	50	35.28	cps
Erbium	164-1	103	73	107	94	19.44	cps
Erbium	164-2	60	77	67	68	12.38	cps
Gadolinium	160-1	73	57	57	62	15.46	cps
Gadolinium	160-2	400	480	393	424	11.36	cps
Holmium	165-1	11502786	11584108	11424532	11503809	0.69	cps
Holmium	165-2	8197853	8222711	8133667	8184743	0.56	cps
Indium	115-1	8415586	8572305	8396054	8461315	1.14	cps
Indium	115-2	3384495	3387252	3325182	3365643	1.04	cps
Iron	56-2	336113415	334974908	336107528	335731951	0.20	cps
Iron	57-2	8332066	8490083	8356570	8392906	1.01	cps
Iron	54-2	18087177	18168794	18126350	18127440	0.23	cps
Krypton	83-1	193	103	127	141	33.10	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICSAB004 Instrumnet Name : P7
Client Sample ID : ICSAB004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:15:24 DataFile Name : 018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	188197	188734	187447	188126	0.34	cps
Lead	207-1	156698	157413	156431	156847	0.32	cps
Lead	208-1	732612	727336	728057	729335	0.39	cps
Lithium	6-1	880088	881219	871506	877604	0.61	cps
Magnesium	24-2	29280721	29414233	29044885	29246613	0.64	cps
Manganese	55-2	79267	79100	79002	79123	0.17	cps
Molybdenum	94-1	5079604	5001608	5005151	5028788	0.88	cps
Molybdenum	95-1	8958348	8897541	8911603	8922497	0.36	cps
Molybdenum	96-1	9646711	9617399	9570822	9611644	0.40	cps
Molybdenum	97-1	5630842	5604091	5565293	5600075	0.59	cps
Molybdenum	98-1	14410383	14436546	14319306	14388745	0.43	cps
Neodymium	150-1	30	57	23	37	48.11	cps
Neodymium	150-2	37	13	40	30	48.44	cps
Nickel	60-2	36240	36224	35883	36116	0.56	cps
Phosphorus	31-2	906686	908684	905084	906818	0.20	cps
Potassium	39-2	41121453	41162933	40863232	41049206	0.40	cps
Rhodium	103-1	7469099	7466538	7334792	7423477	1.03	cps
Rhodium	103-2	4643705	4659812	4611808	4638442	0.53	cps
Scandium	45-1	4003772	3964434	3874591	3947599	1.68	cps
Scandium	45-2	404012	410007	403681	405900	0.88	cps
Selenium	82-1	2961	3041	3037	3013	1.49	cps
Selenium	77-2	363	317	310	330	8.81	cps
Selenium	78-2	1470	1423	1477	1457	2.00	cps
Silicon	28-1	672353	667451	669627	669810	0.37	cps
Silver	107-1	215867	216601	215670	216046	0.23	cps
Silver	109-1	205943	205900	206475	206106	0.16	cps
Sodium	23-2	49642671	49988541	49251879	49627697	0.74	cps
Strontium	86-1	97540	97963	98409	97971	0.44	cps
Strontium	88-1	853423	852944	847446	851271	0.39	cps
Sulfur	34-1	2839260	2864349	2875698	2859769	0.65	cps
Terbium	159-1	11766532	11587644	11515427	11623201	1.11	cps
Terbium	159-2	8206150	8102707	8174492	8161116	0.65	cps
Thallium	203-1	189066	190083	190529	189893	0.39	cps
Thallium	205-1	454600	453821	454771	454398	0.11	cps
Tin	118-1	2774	2730	2694	2733	1.47	cps
Titanium	47-1	1978972	1950013	1977796	1968927	0.83	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : ICSAB004 Instrumnet Name : P7
Client Sample ID : ICSAB004 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:15:24 DataFile Name : 018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	550	550	557	552	0.70	cps
Vanadium	51-2	64165	63992	63818	63992	0.27	cps
Yttrium	89-1	14607162	14479208	14175991	14420787	1.54	cps
Yttrium	89-2	4245302	4219707	4227630	4230880	0.31	cps
Zinc	66-2	21385	21626	20851	21287	1.86	cps
Zirconium	90-1	807	720	693	740	8.01	cps
Zirconium	91-1	187	153	187	176	10.96	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV015 Instrumnet Name : P7
Client Sample ID : CCV015 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:39:53 DataFile Name : 021CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8853634	8733074	8985211	8857306	1.42	cps
Antimony	121-1	4533106	4547369	4467820	4516099	0.94	cps
Arsenic	75-2	223714	221741	224851	223435	0.70	cps
Barium	135-1	5987978	5955218	5975633	5972943	0.28	cps
Barium	137-1	10249662	10385472	10268621	10301251	0.71	cps
Beryllium	9-1	455819	459290	458478	457862	0.40	cps
Bismuth	209-1	6672827	6766064	6729498	6722796	0.70	cps
Bismuth	209-2	5373679	5330369	5343960	5349336	0.41	cps
Bromine	81-1	13063	12776	12789	12876	1.26	cps
Bromine	81-2	123	70	100	98	27.35	cps
Cadmium	108-1	78343	78913	78310	78522	0.43	cps
Cadmium	106-1	113184	113240	113720	113381	0.26	cps
Cadmium	111-1	988531	986639	990467	988545	0.19	cps
Calcium	43-1	4939835	4796515	4796691	4844347	1.71	cps
Calcium	44-1	78994140	78053694	78243334	78430389	0.63	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1725273	1718934	1745939	1730048	0.82	cps
Cobalt	59-2	2584908	2604195	2613591	2600898	0.56	cps
Copper	63-2	17255457	17309994	17144501	17236651	0.49	cps
Dysprosium	156-1	227	243	210	227	7.35	cps
Dysprosium	156-2	393	420	427	413	4.27	cps
Erbium	164-1	277	220	287	261	13.77	cps
Erbium	164-2	170	167	197	178	9.25	cps
Gadolinium	160-1	207	250	200	219	12.40	cps
Gadolinium	160-2	463	483	523	490	6.23	cps
Holmium	165-1	11293912	11138244	11181059	11204405	0.72	cps
Holmium	165-2	7919151	8046378	7879614	7948381	1.10	cps
Indium	115-1	8221698	8158331	8200145	8193392	0.39	cps
Indium	115-2	3219219	3182843	3184885	3195649	0.64	cps
Iron	56-2	396302887	391330288	397575541	395069572	0.84	cps
Iron	57-2	9847127	9826134	9900474	9857912	0.39	cps
Iron	54-2	21390953	21184741	21474199	21349964	0.70	cps
Krypton	83-1	210	160	207	192	14.54	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV015 Instrumnet Name : P7
Client Sample ID : CCV015 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:39:53 DataFile Name : 021CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18918373	19160435	19020959	19033256	0.64	cps
Lead	207-1	16701809	16916622	16637229	16751887	0.87	cps
Lead	208-1	76163391	77321928	76741465	76742261	0.75	cps
Lithium	6-1	865402	870955	876012	870790	0.61	cps
Magnesium	24-2	76691879	76125829	76928442	76582050	0.54	cps
Manganese	55-2	13944343	13825094	14075171	13948202	0.90	cps
Molybdenum	94-1	15081188	15199439	15195440	15158689	0.44	cps
Molybdenum	95-1	22083427	21864472	22098146	22015348	0.59	cps
Molybdenum	96-1	23977816	23922180	24077093	23992363	0.33	cps
Molybdenum	97-1	13735974	13640702	13683357	13686678	0.35	cps
Molybdenum	98-1	35320805	35283944	35220806	35275185	0.14	cps
Neodymium	150-1	437	353	480	423	15.21	cps
Neodymium	150-2	167	173	187	176	5.80	cps
Nickel	60-2	623299	623983	620327	622537	0.31	cps
Phosphorus	31-2	88128	87820	89302	88417	0.88	cps
Potassium	39-2	49090951	49259634	49574411	49308332	0.50	cps
Rhodium	103-1	7140183	7110585	7107023	7119264	0.26	cps
Rhodium	103-2	4443797	4424796	4391952	4420182	0.59	cps
Scandium	45-1	3996695	3907608	3996386	3966896	1.29	cps
Scandium	45-2	398965	397672	401885	399507	0.54	cps
Selenium	82-1	60284	59382	60494	60054	0.98	cps
Selenium	77-2	6612	6988	7319	6973	5.07	cps
Selenium	78-2	24457	23602	24664	24241	2.32	cps
Silicon	28-1	2705969	2692331	2654241	2684180	1.00	cps
Silver	107-1	5304779	5346474	5295216	5315490	0.51	cps
Silver	109-1	5121307	5061395	5022605	5068436	0.98	cps
Sodium	23-2	120414242	118770432	120371828	119852167	0.78	cps
Strontium	86-1	1339835	1343153	1337827	1340272	0.20	cps
Strontium	88-1	12156876	12151558	12176939	12161791	0.11	cps
Sulfur	34-1	390090	384977	385937	387001	0.70	cps
Terbium	159-1	11405732	11389396	11442234	11412454	0.24	cps
Terbium	159-2	7755464	7856991	7940267	7850908	1.18	cps
Thallium	203-1	4749851	4802304	4763928	4772028	0.57	cps
Thallium	205-1	11303734	11443693	11397005	11381478	0.63	cps
Tin	118-1	3778359	3773045	3770124	3773843	0.11	cps
Titanium	47-1	4793955	4742100	4708961	4748339	0.90	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV015 Instrumnet Name : P7
Client Sample ID : CCV015 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:39:53 DataFile Name : 021CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15959191	16061534	16075863	16032196	0.40	cps
Vanadium	51-2	1546660	1528513	1568158	1547777	1.28	cps
Yttrium	89-1	14155385	14117548	14086525	14119819	0.24	cps
Yttrium	89-2	4136779	4125009	4118553	4126781	0.22	cps
Zinc	66-2	3143171	3142775	3182895	3156280	0.73	cps
Zirconium	90-1	7517049	7535997	7537604	7530217	0.15	cps
Zirconium	91-1	1670250	1661920	1661371	1664514	0.30	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB015 Instrumnet Name : P7
Client Sample ID : CCB015 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:45:05 DataFile Name : 022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	240	183	200	208	14.01	cps
Antimony	121-1	170	180	190	180	5.56	cps
Arsenic	75-2	3	3	7	4	43.40	cps
Barium	135-1	70	63	77	70	9.53	cps
Barium	137-1	117	113	87	106	15.58	cps
Beryllium	9-1	110	93	83	96	14.10	cps
Bismuth	209-1	7399144	7305844	7369591	7358193	0.65	cps
Bismuth	209-2	6251550	5083331	5916852	5750578	10.46	cps
Bromine	81-1	13022	13216	13279	13173	1.02	cps
Bromine	81-2	67	63	70	67	5.00	cps
Cadmium	108-1	13	7	23	14	58.06	cps
Cadmium	106-1	3917	3851	4067	3945	2.81	cps
Cadmium	111-1	804	792	834	810	2.65	cps
Calcium	43-1	263	310	220	264	17.02	cps
Calcium	44-1	6065	6078	6211	6118	1.33	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	823	783	793	800	2.60	cps
Cobalt	59-2	100	90	97	96	5.33	cps
Copper	63-2	1420	1287	1387	1365	5.09	cps
Dysprosium	156-1	7	13	7	9	43.25	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	57	67	57	60	9.62	cps
Erbium	164-2	27	33	30	30	11.10	cps
Gadolinium	160-1	40	47	27	38	26.95	cps
Gadolinium	160-2	470	363	460	431	13.66	cps
Holmium	165-1	11491500	11293112	11383604	11389405	0.87	cps
Holmium	165-2	8553168	6973798	8159383	7895450	10.41	cps
Indium	115-1	8959840	8892380	8898174	8916798	0.42	cps
Indium	115-2	3687061	3002357	3465848	3385089	10.32	cps
Iron	56-2	17450	16903	17243	17199	1.61	cps
Iron	57-2	1133	1103	1180	1139	3.39	cps
Iron	54-2	2073	1970	2150	2065	4.38	cps
Krypton	83-1	180	133	167	160	15.02	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB015 Instrumnet Name : P7
Client Sample ID : CCB015 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:45:05 DataFile Name : 022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	933	880	937	917	3.47	cps
Lead	207-1	807	753	767	776	3.58	cps
Lead	208-1	3774	3690	3697	3720	1.24	cps
Lithium	6-1	896800	895450	896995	896415	0.09	cps
Magnesium	24-2	923	923	810	886	7.39	cps
Manganese	55-2	387	357	333	359	7.45	cps
Molybdenum	94-1	410	310	247	322	25.56	cps
Molybdenum	95-1	240	187	230	219	12.95	cps
Molybdenum	96-1	333	263	250	282	15.86	cps
Molybdenum	97-1	163	113	140	139	18.02	cps
Molybdenum	98-1	387	330	330	349	9.38	cps
Neodymium	150-1	13	3	10	9	57.30	cps
Neodymium	150-2	3	7	3	4	43.40	cps
Nickel	60-2	1470	1173	1380	1341	11.34	cps
Phosphorus	31-2	137	173	160	157	11.85	cps
Potassium	39-2	46852	47948	47420	47407	1.16	cps
Rhodium	103-1	7968079	7909005	7869774	7915620	0.63	cps
Rhodium	103-2	5211356	4289103	4965323	4821927	9.90	cps
Scandium	45-1	4066358	4022130	4086216	4058235	0.81	cps
Scandium	45-2	435708	350690	409683	398694	10.93	cps
Selenium	82-1	290	267	257	271	6.36	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	457	340	340	379	17.78	cps
Silicon	28-1	625866	625291	631036	627398	0.50	cps
Silver	107-1	217	210	177	201	10.66	cps
Silver	109-1	153	143	133	143	6.98	cps
Sodium	23-2	26530	26299	26366	26398	0.45	cps
Strontium	86-1	280	247	237	254	8.92	cps
Strontium	88-1	167	203	197	189	10.34	cps
Sulfur	34-1	125288	126226	126515	126010	0.51	cps
Terbium	159-1	11748675	11555253	11601576	11635168	0.87	cps
Terbium	159-2	8550069	6918517	8218148	7895578	10.92	cps
Thallium	203-1	470	503	473	482	3.81	cps
Thallium	205-1	1157	1153	1170	1160	0.76	cps
Tin	118-1	1350	1593	1257	1400	12.42	cps
Titanium	47-1	83	80	93	86	8.11	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB015 Instrumnet Name : P7
Client Sample ID : CCB015 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:45:05 DataFile Name : 022CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	70	53	50	58	18.55	cps
Vanadium	51-2	23	3	17	14	70.51	cps
Yttrium	89-1	14691884	14631273	14558664	14627274	0.46	cps
Yttrium	89-2	4520349	3731642	4327953	4193314	9.81	cps
Zinc	66-2	493	463	603	520	14.18	cps
Zirconium	90-1	613	587	587	596	2.58	cps
Zirconium	91-1	140	123	90	118	21.62	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-01 Instrumnet Name : P7
Client Sample ID : LOD-MDL-SOIL-01-QT4- Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:53:42 DataFile Name : 024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2960	3057	2864	2960	3.27	cps
Antimony	121-1	6975	7475	7232	7227	3.46	cps
Arsenic	75-2	373	430	380	394	7.85	cps
Barium	135-1	8796	9360	9010	9055	3.14	cps
Barium	137-1	15272	15639	15435	15449	1.19	cps
Beryllium	9-1	743	857	833	811	7.38	cps
Bismuth	209-1	7732802	7287113	7270006	7429974	3.53	cps
Bismuth	209-2	5792375	5949547	5922846	5888256	1.43	cps
Bromine	81-1	14150	14561	14611	14440	1.75	cps
Bromine	81-2	87	110	67	88	24.71	cps
Cadmium	108-1	113	147	160	140	17.17	cps
Cadmium	106-1	4484	4397	4311	4397	1.97	cps
Cadmium	111-1	2524	2577	2517	2539	1.29	cps
Calcium	43-1	1927	1863	1953	1915	2.41	cps
Calcium	44-1	31897	32354	33173	32475	1.99	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3440	3414	3534	3463	1.82	cps
Cobalt	59-2	4607	4411	4534	4517	2.20	cps
Copper	63-2	7625	7722	7269	7539	3.17	cps
Dysprosium	156-1	7	7	0	4	86.60	cps
Dysprosium	156-2	0	7	3	3	100.05	cps
Erbium	164-1	53	50	57	53	6.25	cps
Erbium	164-2	33	57	60	50	29.06	cps
Gadolinium	160-1	47	37	67	50	30.55	cps
Gadolinium	160-2	347	310	400	352	12.85	cps
Holmium	165-1	12231164	11255157	11162969	11549763	5.12	cps
Holmium	165-2	7989284	8075639	8144228	8069717	0.96	cps
Indium	115-1	9426177	8826291	8813144	9021871	3.88	cps
Indium	115-2	3465049	3506279	3536934	3502754	1.03	cps
Iron	56-2	152151	151336	153336	152274	0.66	cps
Iron	57-2	4464	4247	4601	4437	4.02	cps
Iron	54-2	9663	9873	9413	9650	2.39	cps
Krypton	83-1	173	150	190	171	11.74	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-01 Instrumnet Name : P7
Client Sample ID : LOD-MDL-SOIL-01-QT4- Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:53:42 DataFile Name : 024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6161	6515	6542	6406	3.31	cps
Lead	207-1	5258	5745	5645	5549	4.63	cps
Lead	208-1	24966	25656	25653	25425	1.56	cps
Lithium	6-1	970224	899859	892426	920836	4.66	cps
Magnesium	24-2	25171	25515	24940	25209	1.15	cps
Manganese	55-2	4601	4761	4734	4699	1.83	cps
Molybdenum	94-1	6108	6235	6251	6198	1.27	cps
Molybdenum	95-1	3437	3470	3430	3446	0.62	cps
Molybdenum	96-1	4474	4367	4471	4437	1.37	cps
Molybdenum	97-1	2257	2057	2150	2155	4.65	cps
Molybdenum	98-1	5548	5411	5571	5510	1.57	cps
Neodymium	150-1	10	7	0	6	91.64	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	2534	2564	2540	2546	0.62	cps
Phosphorus	31-2	327	287	257	290	12.11	cps
Potassium	39-2	64533	64590	64382	64501	0.17	cps
Rhodium	103-1	8505342	7954271	7959079	8139564	3.89	cps
Rhodium	103-2	4995605	5009378	5019730	5008238	0.24	cps
Scandium	45-1	4409519	4165269	4137858	4237549	3.53	cps
Scandium	45-2	411547	415274	414550	413790	0.48	cps
Selenium	82-1	376	423	348	382	9.86	cps
Selenium	77-2	13	17	10	13	25.01	cps
Selenium	78-2	410	380	387	392	4.02	cps
Silicon	28-1	640271	646476	650560	645769	0.80	cps
Silver	107-1	8799	9256	9106	9054	2.57	cps
Silver	109-1	7979	8686	8903	8523	5.67	cps
Sodium	23-2	59297	59916	59752	59655	0.54	cps
Strontium	86-1	2264	2410	2514	2396	5.24	cps
Strontium	88-1	18692	19303	19143	19046	1.66	cps
Sulfur	34-1	133890	134791	134401	134361	0.34	cps
Terbium	159-1	12479701	11675764	11591680	11915715	4.11	cps
Terbium	159-2	8010400	7984957	8148354	8047903	1.09	cps
Thallium	203-1	7552	7322	7656	7510	2.27	cps
Thallium	205-1	17395	18115	18136	17882	2.36	cps
Tin	118-1	6755	7139	7022	6972	2.82	cps
Titanium	47-1	763	907	840	837	8.57	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-01 Instrumnet Name : P7
Client Sample ID : LOD-MDL-SOIL-01-QT4- Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:53:42 DataFile Name : 024SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	21735	21868	22215	21939	1.13	cps
Vanadium	51-2	2630	2404	2520	2518	4.50	cps
Yttrium	89-1	15604046	14757728	14766139	15042638	3.23	cps
Yttrium	89-2	4293376	4336723	4359872	4329990	0.78	cps
Zinc	66-2	1653	1477	1507	1546	6.12	cps
Zirconium	90-1	11274	11738	11918	11644	2.85	cps
Zirconium	91-1	2497	2400	2500	2466	2.30	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-03 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-03-QT4-2024 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:57:00 DataFile Name : 025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1957	1930	2030	1972	2.63	cps
Antimony	121-1	3994	3897	3937	3943	1.23	cps
Arsenic	75-2	227	163	200	197	16.17	cps
Barium	135-1	4854	5148	4738	4913	4.30	cps
Barium	137-1	8369	8379	8379	8376	0.07	cps
Beryllium	9-1	477	450	453	460	3.16	cps
Bismuth	209-1	7369883	7441996	7338561	7383480	0.72	cps
Bismuth	209-2	5974293	5880618	5842053	5898988	1.15	cps
Bromine	81-1	13980	14731	14434	14382	2.63	cps
Bromine	81-2	110	100	73	94	20.07	cps
Cadmium	108-1	77	73	83	78	6.55	cps
Cadmium	106-1	4477	4878	4424	4593	5.40	cps
Cadmium	111-1	1739	1868	1793	1800	3.60	cps
Calcium	43-1	5261	5311	5134	5235	1.74	cps
Calcium	44-1	88272	88422	89039	88578	0.46	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2307	2227	2317	2284	2.16	cps
Cobalt	59-2	2487	2477	2410	2458	1.70	cps
Copper	63-2	4717	4687	4607	4671	1.22	cps
Dysprosium	156-1	10	7	17	11	45.82	cps
Dysprosium	156-2	10	0	3	4	114.60	cps
Erbium	164-1	60	73	43	59	25.53	cps
Erbium	164-2	23	40	10	24	61.49	cps
Gadolinium	160-1	30	37	30	32	11.95	cps
Gadolinium	160-2	437	380	440	419	8.05	cps
Holmium	165-1	11384424	11467538	11414238	11422067	0.37	cps
Holmium	165-2	8212531	8147069	8011531	8123710	1.26	cps
Indium	115-1	8883907	8994233	8889428	8922523	0.70	cps
Indium	115-2	3588175	3536739	3553263	3559392	0.74	cps
Iron	56-2	138332	138948	139290	138857	0.35	cps
Iron	57-2	4171	3921	4347	4146	5.17	cps
Iron	54-2	8906	8709	8953	8856	1.46	cps
Krypton	83-1	153	140	210	168	22.15	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-03 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-03-QT4-2024 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:57:00 DataFile Name : 025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3627	3754	3834	3738	2.79	cps
Lead	207-1	3177	3277	3354	3269	2.71	cps
Lead	208-1	14847	14840	15000	14896	0.61	cps
Lithium	6-1	895802	896928	890869	894533	0.36	cps
Magnesium	24-2	75625	74794	74821	75080	0.63	cps
Manganese	55-2	2697	2600	2607	2635	2.05	cps
Molybdenum	94-1	3604	3524	3307	3478	4.41	cps
Molybdenum	95-1	2097	1950	1930	1992	4.57	cps
Molybdenum	96-1	2244	2440	2307	2330	4.31	cps
Molybdenum	97-1	1250	1193	1200	1215	2.55	cps
Molybdenum	98-1	3184	3127	3050	3120	2.14	cps
Neodymium	150-1	0	10	13	8	89.21	cps
Neodymium	150-2	3	13	0	6	124.93	cps
Nickel	60-2	1963	2017	2107	2029	3.57	cps
Phosphorus	31-2	240	267	260	256	5.43	cps
Potassium	39-2	113912	113653	114852	114139	0.55	cps
Rhodium	103-1	8107439	8218552	8141827	8155939	0.70	cps
Rhodium	103-2	5122894	5056574	5007676	5062382	1.14	cps
Scandium	45-1	4179970	4182534	4158640	4173715	0.31	cps
Scandium	45-2	424395	420055	420394	421615	0.57	cps
Selenium	82-1	1080	1095	1017	1064	3.87	cps
Selenium	77-2	87	63	90	80	18.17	cps
Selenium	78-2	717	700	663	693	3.93	cps
Silicon	28-1	653354	654322	655772	654483	0.19	cps
Silver	107-1	4901	4838	4788	4842	1.17	cps
Silver	109-1	4544	4621	4634	4600	1.06	cps
Sodium	23-2	137631	137400	138075	137702	0.25	cps
Strontium	86-1	1383	1303	1347	1345	2.98	cps
Strontium	88-1	10024	10167	10080	10090	0.72	cps
Sulfur	34-1	137576	137878	138319	137925	0.27	cps
Terbium	159-1	11635581	11572059	11723720	11643787	0.65	cps
Terbium	159-2	8307414	8055089	8068045	8143516	1.74	cps
Thallium	203-1	4007	3981	4131	4040	1.98	cps
Thallium	205-1	10060	9640	9704	9801	2.31	cps
Tin	118-1	4564	4251	4194	4336	4.60	cps
Titanium	47-1	540	467	433	480	11.37	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-03 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-03-QT4-2024 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 18:57:00 DataFile Name : 025SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11662	11832	11855	11783	0.90	cps
Vanadium	51-2	1397	1520	1337	1418	6.59	cps
Yttrium	89-1	14756815	14932126	14781789	14823577	0.64	cps
Yttrium	89-2	4407441	4393096	4362382	4387640	0.52	cps
Zinc	66-2	1037	1090	1180	1102	6.57	cps
Zirconium	90-1	6408	6388	6515	6437	1.06	cps
Zirconium	91-1	1500	1367	1457	1441	4.72	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-07 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-01-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:00:16 DataFile Name : 026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3157	2960	2990	3036	3.49	cps
Antimony	121-1	7472	7138	7252	7287	2.33	cps
Arsenic	75-2	373	430	453	419	9.82	cps
Barium	135-1	9113	8923	9053	9030	1.08	cps
Barium	137-1	15819	15332	16083	15744	2.42	cps
Beryllium	9-1	837	833	783	818	3.65	cps
Bismuth	209-1	7125654	7199058	7176644	7167119	0.52	cps
Bismuth	209-2	5745922	5519925	5699158	5655002	2.11	cps
Bromine	81-1	14814	14367	14360	14514	1.79	cps
Bromine	81-2	70	70	70	70	0.00	cps
Cadmium	108-1	117	137	143	132	10.50	cps
Cadmium	106-1	4607	4641	4571	4606	0.76	cps
Cadmium	111-1	2587	2669	2644	2633	1.61	cps
Calcium	43-1	2047	1753	1967	1922	7.89	cps
Calcium	44-1	33821	33504	33290	33538	0.80	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3550	3604	3590	3582	0.78	cps
Cobalt	59-2	4671	4337	4474	4494	3.73	cps
Copper	63-2	8620	7522	7579	7907	7.82	cps
Dysprosium	156-1	13	3	0	6	124.93	cps
Dysprosium	156-2	0	10	3	4	114.60	cps
Erbium	164-1	37	43	43	41	9.35	cps
Erbium	164-2	37	37	30	34	11.18	cps
Gadolinium	160-1	50	30	30	37	31.49	cps
Gadolinium	160-2	410	423	360	398	8.39	cps
Holmium	165-1	11203916	11145602	11193889	11181135	0.28	cps
Holmium	165-2	7951673	7658656	7795356	7801895	1.88	cps
Indium	115-1	8906486	8845656	8758683	8836942	0.84	cps
Indium	115-2	3488108	3376316	3368507	3410977	1.96	cps
Iron	56-2	233608	155876	154894	181460	24.89	cps
Iron	57-2	6344	4604	4381	5110	21.04	cps
Iron	54-2	12679	9576	10030	10762	15.57	cps
Krypton	83-1	163	157	127	149	13.12	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-07 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-01-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:00:16 DataFile Name : 026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6358	6108	6305	6257	2.11	cps
Lead	207-1	5801	5321	5618	5580	4.34	cps
Lead	208-1	26280	24682	25286	25416	3.17	cps
Lithium	6-1	886666	885173	890267	887369	0.30	cps
Magnesium	24-2	25732	25194	25461	25462	1.06	cps
Manganese	55-2	6834	4694	4891	5473	21.61	cps
Molybdenum	94-1	6458	6251	6178	6296	2.31	cps
Molybdenum	95-1	3604	3504	3417	3508	2.66	cps
Molybdenum	96-1	4697	4254	4451	4467	4.97	cps
Molybdenum	97-1	2270	2127	2170	2189	3.36	cps
Molybdenum	98-1	5905	5534	5554	5664	3.67	cps
Neodymium	150-1	3	13	7	8	65.47	cps
Neodymium	150-2	3	0	10	4	114.60	cps
Nickel	60-2	2524	2404	2414	2447	2.72	cps
Phosphorus	31-2	303	290	357	317	11.14	cps
Potassium	39-2	65423	64787	66099	65437	1.00	cps
Rhodium	103-1	7941797	7934656	8011994	7962816	0.54	cps
Rhodium	103-2	5022993	4821910	4867211	4904038	2.15	cps
Scandium	45-1	4194026	4131145	4112913	4146028	1.03	cps
Scandium	45-2	415738	400092	406417	407416	1.93	cps
Selenium	82-1	410	331	375	372	10.58	cps
Selenium	77-2	20	10	7	12	56.76	cps
Selenium	78-2	443	407	400	417	5.60	cps
Silicon	28-1	668169	672953	675254	672125	0.54	cps
Silver	107-1	9173	8923	9166	9087	1.57	cps
Silver	109-1	8839	8416	8586	8614	2.47	cps
Sodium	23-2	61217	58176	58972	59455	2.65	cps
Strontium	86-1	2467	2644	2454	2521	4.21	cps
Strontium	88-1	19146	19009	19596	19250	1.60	cps
Sulfur	34-1	137434	137741	137499	137558	0.12	cps
Terbium	159-1	11436076	11410463	11329610	11392050	0.49	cps
Terbium	159-2	8000523	7589269	7717873	7769221	2.71	cps
Thallium	203-1	7362	7439	7002	7268	3.21	cps
Thallium	205-1	17224	17181	17385	17263	0.62	cps
Tin	118-1	6768	6768	6912	6816	1.21	cps
Titanium	47-1	860	900	860	873	2.64	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-07 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-01-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:00:16 DataFile Name : 026SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	21611	21531	21815	21652	0.68	cps
Vanadium	51-2	2544	2574	2574	2564	0.68	cps
Yttrium	89-1	14704029	14681662	14638006	14674565	0.23	cps
Yttrium	89-2	4361877	4140773	4233466	4245372	2.62	cps
Zinc	66-2	3604	3284	3160	3349	6.83	cps
Zirconium	90-1	12229	11708	11808	11915	2.32	cps
Zirconium	91-1	2654	2680	2590	2641	1.75	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-09 Instrumnet Name : P7
Client Sample ID : MDL-WATER-03-QT4-20 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:03:35 DataFile Name : 027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1997	1867	1897	1920	3.55	cps
Antimony	121-1	3887	4057	4121	4022	3.00	cps
Arsenic	75-2	247	173	250	223	19.40	cps
Barium	135-1	4918	4661	4674	4751	3.04	cps
Barium	137-1	8086	8529	8546	8387	3.11	cps
Beryllium	9-1	497	423	493	471	8.79	cps
Bismuth	209-1	7341891	7257977	7252586	7284151	0.69	cps
Bismuth	209-2	5843635	5882470	5803988	5843364	0.67	cps
Bromine	81-1	13723	13893	14267	13961	1.99	cps
Bromine	81-2	73	77	67	72	7.05	cps
Cadmium	108-1	60	77	53	63	18.98	cps
Cadmium	106-1	4404	4264	4201	4290	2.43	cps
Cadmium	111-1	1899	1789	1800	1829	3.31	cps
Calcium	43-1	5181	5841	5474	5499	6.02	cps
Calcium	44-1	89716	89579	88057	89117	1.03	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2230	2344	2137	2237	4.63	cps
Cobalt	59-2	2470	2484	2370	2441	2.54	cps
Copper	63-2	4701	4721	4634	4685	0.97	cps
Dysprosium	156-1	7	3	3	4	43.40	cps
Dysprosium	156-2	0	17	0	6	173.21	cps
Erbium	164-1	70	47	47	54	24.74	cps
Erbium	164-2	50	47	23	40	36.33	cps
Gadolinium	160-1	53	47	37	46	18.41	cps
Gadolinium	160-2	400	350	440	397	11.37	cps
Holmium	165-1	11318752	11304854	11235046	11286217	0.40	cps
Holmium	165-2	8059417	8229840	8124612	8137956	1.06	cps
Indium	115-1	8888945	9016078	8898342	8934455	0.79	cps
Indium	115-2	3549394	3590546	3510478	3550139	1.13	cps
Iron	56-2	139826	138948	138914	139229	0.37	cps
Iron	57-2	4274	4254	4397	4308	1.80	cps
Iron	54-2	8973	9053	8939	8988	0.65	cps
Krypton	83-1	180	147	170	166	10.33	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-09 Instrumnet Name : P7
Client Sample ID : MDL-WATER-03-QT4-20 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:03:35 DataFile Name : 027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3520	3530	3440	3497	1.41	cps
Lead	207-1	3220	3404	3210	3278	3.32	cps
Lead	208-1	14416	14880	14066	14454	2.82	cps
Lithium	6-1	889965	880956	879250	883390	0.65	cps
Magnesium	24-2	74914	76583	76686	76061	1.31	cps
Manganese	55-2	2830	2737	2627	2731	3.73	cps
Molybdenum	94-1	3527	3537	3567	3544	0.59	cps
Molybdenum	95-1	1867	1773	2067	1902	7.88	cps
Molybdenum	96-1	2440	2637	2657	2578	4.65	cps
Molybdenum	97-1	1163	1100	1230	1165	5.58	cps
Molybdenum	98-1	3047	2964	3104	3038	2.32	cps
Neodymium	150-1	3	3	7	4	43.40	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	1927	2087	2090	2035	4.59	cps
Phosphorus	31-2	233	170	153	186	22.75	cps
Potassium	39-2	115363	115195	114469	115009	0.41	cps
Rhodium	103-1	8111001	8116001	8183339	8136780	0.50	cps
Rhodium	103-2	5087699	5092506	5074681	5084962	0.18	cps
Scandium	45-1	4215467	4221297	4261461	4232742	0.59	cps
Scandium	45-2	427607	424267	425671	425848	0.39	cps
Selenium	82-1	1077	1063	1067	1069	0.66	cps
Selenium	77-2	127	133	90	117	20.00	cps
Selenium	78-2	727	683	763	724	5.53	cps
Silicon	28-1	700608	692677	698940	697408	0.60	cps
Silver	107-1	4871	4984	5018	4958	1.55	cps
Silver	109-1	4624	4664	4764	4684	1.54	cps
Sodium	23-2	137558	137087	136790	137145	0.28	cps
Strontium	86-1	1373	1410	1370	1385	1.60	cps
Strontium	88-1	10204	10000	10120	10108	1.01	cps
Sulfur	34-1	137085	137744	138084	137638	0.37	cps
Terbium	159-1	11539049	11586967	11461086	11529034	0.55	cps
Terbium	159-2	8059295	8037645	8100604	8065848	0.40	cps
Thallium	203-1	4021	4064	3937	4007	1.61	cps
Thallium	205-1	9400	9630	9367	9466	1.52	cps
Tin	118-1	4464	4417	4354	4412	1.25	cps
Titanium	47-1	557	487	553	532	7.42	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-09 Instrumnet Name : P7
Client Sample ID : MDL-WATER-03-QT4-20 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:03:35 DataFile Name : 027SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11635	11602	11078	11438	2.73	cps
Vanadium	51-2	1350	1397	1383	1377	1.75	cps
Yttrium	89-1	15047104	15107796	14960867	15038589	0.49	cps
Yttrium	89-2	4395720	4392150	4425912	4404594	0.42	cps
Zinc	66-2	1070	1143	1060	1091	4.17	cps
Zirconium	90-1	6381	6295	6351	6343	0.69	cps
Zirconium	91-1	1387	1570	1387	1448	7.31	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-10 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-04-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:06:53 DataFile Name : 028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3067	3124	2900	3030	3.83	cps
Antimony	121-1	7169	6858	7192	7073	2.63	cps
Arsenic	75-2	343	360	493	399	20.61	cps
Barium	135-1	8776	8856	8766	8799	0.56	cps
Barium	137-1	15432	15115	15428	15325	1.19	cps
Beryllium	9-1	817	817	737	790	5.85	cps
Bismuth	209-1	7273086	7239725	7255542	7256118	0.23	cps
Bismuth	209-2	5875581	5952398	5895270	5907750	0.68	cps
Bromine	81-1	14150	14180	14197	14176	0.17	cps
Bromine	81-2	120	93	77	97	22.61	cps
Cadmium	108-1	117	190	150	152	24.12	cps
Cadmium	106-1	4531	4227	4601	4453	4.46	cps
Cadmium	111-1	2641	2376	2735	2584	7.21	cps
Calcium	43-1	2114	2107	1983	2068	3.54	cps
Calcium	44-1	33611	33420	33350	33460	0.40	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3377	3667	3344	3463	5.14	cps
Cobalt	59-2	4614	4514	4474	4534	1.59	cps
Copper	63-2	7375	7445	7455	7425	0.59	cps
Dysprosium	156-1	7	10	27	14	74.18	cps
Dysprosium	156-2	3	7	3	4	43.40	cps
Erbium	164-1	37	50	57	48	21.31	cps
Erbium	164-2	40	50	10	33	62.45	cps
Gadolinium	160-1	33	30	37	33	10.01	cps
Gadolinium	160-2	420	437	383	413	6.60	cps
Holmium	165-1	11345744	11333812	11220615	11300057	0.61	cps
Holmium	165-2	8162128	8110449	8095465	8122681	0.43	cps
Indium	115-1	8953464	8952130	9115049	9006881	1.04	cps
Indium	115-2	3572175	3557380	3515517	3548357	0.83	cps
Iron	56-2	150955	152898	152167	152007	0.65	cps
Iron	57-2	4421	4624	4534	4526	2.25	cps
Iron	54-2	9773	9660	9606	9680	0.88	cps
Krypton	83-1	167	200	150	172	14.78	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-10 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-04-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:06:53 DataFile Name : 028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	6058	6085	6255	6133	1.74	cps
Lead	207-1	5281	5448	5448	5392	1.78	cps
Lead	208-1	24252	24626	24579	24485	0.83	cps
Lithium	6-1	879520	888123	876649	881431	0.68	cps
Magnesium	24-2	25114	25024	25000	25046	0.24	cps
Manganese	55-2	4764	4661	4817	4747	1.68	cps
Molybdenum	94-1	6161	6205	6421	6263	2.23	cps
Molybdenum	95-1	3540	3490	3674	3568	2.66	cps
Molybdenum	96-1	4407	4234	4301	4314	2.03	cps
Molybdenum	97-1	2097	2044	2100	2080	1.53	cps
Molybdenum	98-1	5501	5354	5514	5457	1.63	cps
Neodymium	150-1	10	7	7	8	24.71	cps
Neodymium	150-2	7	0	0	2	173.21	cps
Nickel	60-2	2614	2404	2584	2534	4.48	cps
Phosphorus	31-2	237	227	307	257	16.98	cps
Potassium	39-2	66062	66377	65871	66104	0.39	cps
Rhodium	103-1	8177128	8173022	8163987	8171379	0.08	cps
Rhodium	103-2	5080979	5028783	5122350	5077371	0.92	cps
Scandium	45-1	4251455	4253725	4258546	4254576	0.09	cps
Scandium	45-2	425887	428574	426069	426844	0.35	cps
Selenium	82-1	390	351	466	402	14.58	cps
Selenium	77-2	7	23	37	22	67.63	cps
Selenium	78-2	507	387	437	443	13.60	cps
Silicon	28-1	709056	710073	710772	709967	0.12	cps
Silver	107-1	9120	8859	9203	9061	1.98	cps
Silver	109-1	8449	8306	8756	8504	2.70	cps
Sodium	23-2	57426	57704	57028	57386	0.59	cps
Strontium	86-1	2507	2397	2237	2380	5.70	cps
Strontium	88-1	18685	18862	19173	18907	1.30	cps
Sulfur	34-1	138232	137391	137926	137849	0.31	cps
Terbium	159-1	11362150	11496274	11413712	11424046	0.59	cps
Terbium	159-2	8069284	8042696	8119287	8077089	0.48	cps
Thallium	203-1	6742	6975	7179	6965	3.14	cps
Thallium	205-1	16874	16697	16740	16770	0.55	cps
Tin	118-1	6478	7088	7068	6878	5.04	cps
Titanium	47-1	807	887	827	840	4.96	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-10 Instrumnet Name : P7
Client Sample ID : LOD-MDL-WATER-04-Q1 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:06:53 DataFile Name : 028SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	20930	21361	20836	21042	1.33	cps
Vanadium	51-2	2577	2540	2364	2494	4.58	cps
Yttrium	89-1	14960622	15132380	15126724	15073242	0.65	cps
Yttrium	89-2	4397481	4412560	4439198	4416413	0.48	cps
Zinc	66-2	1570	1597	1753	1640	6.04	cps
Zirconium	90-1	11575	11535	11785	11631	1.16	cps
Zirconium	91-1	2674	2674	2667	2671	0.14	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-12 Instrumnet Name : P7
Client Sample ID : MDL-WATER-06-QT4-20 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:10:12 DataFile Name : 029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1837	1840	1880	1852	1.30	cps
Antimony	121-1	3891	3901	3807	3866	1.33	cps
Arsenic	75-2	217	160	213	197	16.17	cps
Barium	135-1	4811	5078	5021	4970	2.83	cps
Barium	137-1	8803	8586	8563	8650	1.53	cps
Beryllium	9-1	480	437	400	439	9.12	cps
Bismuth	209-1	7411236	7286989	7334419	7344215	0.85	cps
Bismuth	209-2	5976832	5966259	5906903	5949998	0.63	cps
Bromine	81-1	14828	14714	15084	14875	1.28	cps
Bromine	81-2	90	83	67	80	15.02	cps
Cadmium	108-1	90	70	73	78	13.78	cps
Cadmium	106-1	4684	4611	4237	4511	5.31	cps
Cadmium	111-1	1731	1883	1846	1820	4.38	cps
Calcium	43-1	5855	5368	5678	5633	4.37	cps
Calcium	44-1	91004	92546	92006	91852	0.85	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2294	2540	2357	2397	5.35	cps
Cobalt	59-2	2344	2597	2530	2490	5.27	cps
Copper	63-2	4767	4777	4777	4774	0.12	cps
Dysprosium	156-1	7	13	7	9	43.25	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	73	33	70	59	37.69	cps
Erbium	164-2	33	37	43	38	13.48	cps
Gadolinium	160-1	67	20	53	47	51.51	cps
Gadolinium	160-2	427	460	427	438	4.40	cps
Holmium	165-1	11462525	11470779	11442146	11458483	0.13	cps
Holmium	165-2	8220652	8347992	8269338	8279328	0.78	cps
Indium	115-1	9063448	9191415	9031823	9095562	0.93	cps
Indium	115-2	3602422	3634153	3607747	3614774	0.47	cps
Iron	56-2	141740	141390	141384	141505	0.14	cps
Iron	57-2	4381	4174	4634	4396	5.24	cps
Iron	54-2	8889	8723	8939	8850	1.28	cps
Krypton	83-1	130	163	207	167	23.07	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-12 Instrumnet Name : P7
Client Sample ID : MDL-WATER-06-QT4-20 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:10:12 DataFile Name : 029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3567	3427	3591	3528	2.50	cps
Lead	207-1	3187	3150	3140	3159	0.78	cps
Lead	208-1	14570	14363	14457	14463	0.72	cps
Lithium	6-1	898113	897436	891903	895817	0.38	cps
Magnesium	24-2	77366	76984	77544	77298	0.37	cps
Manganese	55-2	2524	2574	2550	2549	0.98	cps
Molybdenum	94-1	3614	3614	3457	3562	2.54	cps
Molybdenum	95-1	1983	1897	1960	1947	2.30	cps
Molybdenum	96-1	2567	2490	2590	2549	2.05	cps
Molybdenum	97-1	1193	1240	1187	1207	2.41	cps
Molybdenum	98-1	3240	3027	3077	3115	3.58	cps
Neodymium	150-1	3	10	10	8	49.52	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	2200	2174	2157	2177	1.00	cps
Phosphorus	31-2	243	273	243	253	6.84	cps
Potassium	39-2	117294	117704	116602	117200	0.48	cps
Rhodium	103-1	8336910	8333892	8241851	8304218	0.65	cps
Rhodium	103-2	5210830	5272641	5160511	5214661	1.08	cps
Scandium	45-1	4368528	4349932	4372802	4363754	0.28	cps
Scandium	45-2	436598	435188	435050	435612	0.20	cps
Selenium	82-1	1197	1065	1107	1123	6.01	cps
Selenium	77-2	107	77	73	86	21.46	cps
Selenium	78-2	673	650	803	709	11.66	cps
Silicon	28-1	707035	721451	715665	714717	1.02	cps
Silver	107-1	5031	5014	4948	4998	0.88	cps
Silver	109-1	4858	4757	4801	4805	1.04	cps
Sodium	23-2	137662	137971	137571	137735	0.15	cps
Strontium	86-1	1377	1500	1493	1457	4.76	cps
Strontium	88-1	10140	10564	10227	10310	2.17	cps
Sulfur	34-1	139789	140596	141619	140668	0.65	cps
Terbium	159-1	11752468	11776183	11697114	11741921	0.35	cps
Terbium	159-2	8136975	8184331	8298364	8206557	1.01	cps
Thallium	203-1	4181	4027	3937	4048	3.04	cps
Thallium	205-1	9563	9490	9170	9408	2.22	cps
Tin	118-1	4938	4527	4327	4598	6.77	cps
Titanium	47-1	493	463	470	476	3.31	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4368-12 Instrumnet Name : P7
Client Sample ID : MDL-WATER-06-QT4-20 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:10:12 DataFile Name : 029SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11699	11475	11378	11517	1.43	cps
Vanadium	51-2	1370	1487	1357	1405	5.09	cps
Yttrium	89-1	15287999	15306404	15296867	15297090	0.06	cps
Yttrium	89-2	4506688	4528500	4463993	4499727	0.73	cps
Zinc	66-2	1077	1203	1053	1111	7.26	cps
Zirconium	90-1	6511	6722	6418	6550	2.37	cps
Zirconium	91-1	1277	1360	1450	1362	6.36	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4776-02 Instrumnet Name : P7
Client Sample ID : MDL-WATER-QT4-2024- Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:13:28 DataFile Name : 030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1843	1863	1883	1863	1.07	cps
Antimony	121-1	3871	3907	3941	3906	0.90	cps
Arsenic	75-2	203	233	243	227	9.18	cps
Barium	135-1	4901	5084	4901	4962	2.13	cps
Barium	137-1	8589	8406	8666	8554	1.56	cps
Beryllium	9-1	470	443	483	466	4.37	cps
Bismuth	209-1	7321391	7348072	7311921	7327128	0.26	cps
Bismuth	209-2	5882970	5966113	5930691	5926591	0.70	cps
Bromine	81-1	15281	15215	15178	15225	0.34	cps
Bromine	81-2	40	97	87	74	40.63	cps
Cadmium	108-1	70	77	80	76	6.74	cps
Cadmium	106-1	4794	4701	4507	4667	3.13	cps
Cadmium	111-1	1810	1840	1796	1815	1.25	cps
Calcium	43-1	5651	5461	5281	5464	3.39	cps
Calcium	44-1	92822	92462	92124	92469	0.38	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2384	2397	2344	2375	1.17	cps
Cobalt	59-2	2534	2557	2420	2504	2.92	cps
Copper	63-2	7135	7235	6755	7042	3.60	cps
Dysprosium	156-1	7	3	7	6	34.70	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	50	70	53	58	18.55	cps
Erbium	164-2	27	37	60	41	41.60	cps
Gadolinium	160-1	57	27	47	43	35.25	cps
Gadolinium	160-2	397	380	453	410	9.38	cps
Holmium	165-1	11605191	11362806	11658149	11542049	1.36	cps
Holmium	165-2	8050762	8243584	8226714	8173687	1.31	cps
Indium	115-1	9151082	9213448	9134823	9166451	0.45	cps
Indium	115-2	3525261	3654580	3617609	3599150	1.85	cps
Iron	56-2	143816	144146	141501	143154	1.01	cps
Iron	57-2	4387	4431	4494	4437	1.21	cps
Iron	54-2	9220	9126	9083	9143	0.76	cps
Krypton	83-1	147	157	110	138	17.83	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4776-02 Instrumnet Name : P7
Client Sample ID : MDL-WATER-QT4-2024- Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:13:28 DataFile Name : 030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3677	3751	3664	3697	1.26	cps
Lead	207-1	3294	3480	3384	3386	2.76	cps
Lead	208-1	14710	14890	15003	14868	1.00	cps
Lithium	6-1	896025	893277	894054	894452	0.16	cps
Magnesium	24-2	77363	77015	77537	77305	0.34	cps
Manganese	55-2	2670	2747	2640	2686	2.05	cps
Molybdenum	94-1	3474	3430	3711	3538	4.26	cps
Molybdenum	95-1	1783	1880	1900	1855	3.36	cps
Molybdenum	96-1	2494	2624	2550	2556	2.55	cps
Molybdenum	97-1	1277	1223	1213	1238	2.75	cps
Molybdenum	98-1	3270	3154	3194	3206	1.85	cps
Neodymium	150-1	0	3	0	1	173.21	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	2540	2580	2244	2455	7.49	cps
Phosphorus	31-2	230	233	230	231	0.83	cps
Potassium	39-2	118016	118765	117684	118155	0.47	cps
Rhodium	103-1	8318506	8315505	8337507	8323839	0.14	cps
Rhodium	103-2	5067926	5180179	5137702	5128602	1.11	cps
Scandium	45-1	4366888	4386116	4338748	4363917	0.55	cps
Scandium	45-2	419943	438048	433787	430593	2.20	cps
Selenium	82-1	1185	1121	1173	1160	2.94	cps
Selenium	77-2	83	113	127	108	20.60	cps
Selenium	78-2	850	657	657	721	15.48	cps
Silicon	28-1	719731	723400	716481	719871	0.48	cps
Silver	107-1	5044	4928	4784	4919	2.65	cps
Silver	109-1	4751	4861	4814	4809	1.15	cps
Sodium	23-2	140248	139000	138250	139166	0.73	cps
Strontium	86-1	1477	1537	1433	1482	3.50	cps
Strontium	88-1	10894	10751	10704	10783	0.92	cps
Sulfur	34-1	143490	143291	143762	143514	0.16	cps
Terbium	159-1	11712867	11708304	11690654	11703942	0.10	cps
Terbium	159-2	7933207	8265710	8099816	8099578	2.05	cps
Thallium	203-1	4184	3844	3884	3971	4.68	cps
Thallium	205-1	9437	9477	9423	9446	0.29	cps
Tin	118-1	4661	4544	4858	4687	3.38	cps
Titanium	47-1	490	443	467	467	5.00	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4776-02 Instrumnet Name : P7
Client Sample ID : MDL-WATER-QT4-2024- Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:13:28 DataFile Name : 030SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11355	11862	11288	11502	2.73	cps
Vanadium	51-2	1320	1400	1397	1372	3.30	cps
Yttrium	89-1	15547526	15513391	15241718	15434212	1.09	cps
Yttrium	89-2	4377429	4464531	4484762	4442241	1.28	cps
Zinc	66-2	1237	1237	1233	1236	0.16	cps
Zirconium	90-1	6708	6722	6548	6659	1.45	cps
Zirconium	91-1	1510	1473	1693	1559	7.56	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4776-04 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-QT4-2024-08 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:16:47 DataFile Name : 031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1770	1903	1857	1843	3.67	cps
Antimony	121-1	4034	4011	4031	4025	0.31	cps
Arsenic	75-2	227	200	220	216	6.44	cps
Barium	135-1	5084	4941	4968	4998	1.53	cps
Barium	137-1	8456	8416	8569	8480	0.94	cps
Beryllium	9-1	440	507	450	466	7.72	cps
Bismuth	209-1	7469926	7312067	7311526	7364506	1.24	cps
Bismuth	209-2	5963574	5919952	5856975	5913501	0.91	cps
Bromine	81-1	15211	15328	15789	15443	1.98	cps
Bromine	81-2	93	100	83	92	9.10	cps
Cadmium	108-1	70	67	83	73	12.02	cps
Cadmium	106-1	4607	4637	4664	4636	0.61	cps
Cadmium	111-1	1876	1861	1895	1877	0.90	cps
Calcium	43-1	5764	5511	5601	5626	2.28	cps
Calcium	44-1	93391	93257	92369	93006	0.60	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2350	2347	2427	2375	1.91	cps
Cobalt	59-2	2554	2660	2637	2617	2.14	cps
Copper	63-2	18168	17657	17841	17889	1.45	cps
Dysprosium	156-1	7	10	10	9	21.63	cps
Dysprosium	156-2	3	10	0	4	114.60	cps
Erbium	164-1	53	47	53	51	7.52	cps
Erbium	164-2	47	20	23	30	48.44	cps
Gadolinium	160-1	53	53	70	59	16.34	cps
Gadolinium	160-2	430	370	427	409	8.25	cps
Holmium	165-1	11513137	11334974	11462792	11436967	0.80	cps
Holmium	165-2	8289183	8176178	8249284	8238215	0.70	cps
Indium	115-1	9380790	9132920	9148792	9220834	1.50	cps
Indium	115-2	3616093	3604459	3647571	3622708	0.62	cps
Iron	56-2	145072	144994	144796	144954	0.10	cps
Iron	57-2	4277	4591	4677	4515	4.66	cps
Iron	54-2	9273	9173	9123	9190	0.83	cps
Krypton	83-1	160	140	143	148	7.25	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4776-04 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-QT4-2024-08 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:16:47 DataFile Name : 031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	4184	4274	4324	4261	1.67	cps
Lead	207-1	3764	3704	3754	3741	0.86	cps
Lead	208-1	17471	17068	17034	17191	1.41	cps
Lithium	6-1	900660	894682	886772	894038	0.78	cps
Magnesium	24-2	78234	78954	78204	78464	0.54	cps
Manganese	55-2	2814	2740	2664	2739	2.74	cps
Molybdenum	94-1	3484	3547	3444	3492	1.49	cps
Molybdenum	95-1	2010	2033	1847	1963	5.18	cps
Molybdenum	96-1	2437	2430	2647	2505	4.92	cps
Molybdenum	97-1	1297	1240	1187	1241	4.43	cps
Molybdenum	98-1	3374	3167	3404	3315	3.89	cps
Neodymium	150-1	7	0	10	6	91.64	cps
Neodymium	150-2	13	0	3	6	124.93	cps
Nickel	60-2	4044	4167	4044	4085	1.74	cps
Phosphorus	31-2	277	233	287	266	10.67	cps
Potassium	39-2	120139	120694	120824	120552	0.30	cps
Rhodium	103-1	8394475	8307277	8327629	8343127	0.55	cps
Rhodium	103-2	5214409	5162020	5158265	5178231	0.61	cps
Scandium	45-1	4493365	4346722	4333213	4391100	2.02	cps
Scandium	45-2	437965	436505	437941	437471	0.19	cps
Selenium	82-1	1204	1171	1153	1176	2.21	cps
Selenium	77-2	117	90	83	97	18.25	cps
Selenium	78-2	767	747	723	746	2.91	cps
Silicon	28-1	719182	718678	721875	719912	0.24	cps
Silver	107-1	5111	4934	4934	4993	2.04	cps
Silver	109-1	4617	5011	4771	4800	4.13	cps
Sodium	23-2	140924	139737	139333	139998	0.59	cps
Strontium	86-1	1553	1430	1400	1461	5.56	cps
Strontium	88-1	10407	10777	10557	10581	1.76	cps
Sulfur	34-1	144970	146100	147346	146139	0.81	cps
Terbium	159-1	11840100	11776521	11726931	11781184	0.48	cps
Terbium	159-2	8097337	8202207	8226560	8175368	0.84	cps
Thallium	203-1	3864	3907	4191	3987	4.45	cps
Thallium	205-1	9937	9657	9507	9700	2.25	cps
Tin	118-1	4794	5034	4941	4923	2.46	cps
Titanium	47-1	527	517	543	529	2.55	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : P4776-04 Instrumnet Name : P7
Client Sample ID : MDL-SOIL-QT4-2024-08 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:16:47 DataFile Name : 031SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	11648	11615	11502	11588	0.66	cps
Vanadium	51-2	1470	1453	1303	1409	6.52	cps
Yttrium	89-1	15599759	15417389	15332275	15449808	0.88	cps
Yttrium	89-2	4552545	4536732	4459428	4516235	1.10	cps
Zinc	66-2	1900	1783	1937	1873	4.27	cps
Zirconium	90-1	6868	6922	6798	6863	0.90	cps
Zirconium	91-1	1413	1587	1473	1491	5.90	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166507BL Instrumnet Name : P7
Client Sample ID : PBW507 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:20:04 DataFile Name : 032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	193	233	210	212	9.47	cps
Antimony	121-1	43	53	43	47	12.37	cps
Arsenic	75-2	10	7	17	11	45.82	cps
Barium	135-1	37	33	47	39	17.85	cps
Barium	137-1	83	40	60	61	35.49	cps
Beryllium	9-1	77	47	100	74	35.91	cps
Bismuth	209-1	7296895	7243450	7156872	7232406	0.98	cps
Bismuth	209-2	5867839	5842761	5820762	5843787	0.40	cps
Bromine	81-1	15768	15401	15995	15722	1.91	cps
Bromine	81-2	100	90	97	96	5.33	cps
Cadmium	108-1	13	7	13	11	34.61	cps
Cadmium	106-1	4727	4501	4291	4506	4.85	cps
Cadmium	111-1	943	922	859	908	4.82	cps
Calcium	43-1	343	233	290	289	19.04	cps
Calcium	44-1	6038	6265	6371	6225	2.74	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	693	570	703	656	11.33	cps
Cobalt	59-2	90	117	100	102	13.18	cps
Copper	63-2	1447	1260	1353	1353	6.90	cps
Dysprosium	156-1	7	10	3	7	50.03	cps
Dysprosium	156-2	3	0	10	4	114.60	cps
Erbium	164-1	57	53	53	54	3.54	cps
Erbium	164-2	57	40	30	42	31.91	cps
Gadolinium	160-1	30	30	33	31	6.18	cps
Gadolinium	160-2	413	390	377	393	4.72	cps
Holmium	165-1	11256492	11384729	11286116	11309112	0.59	cps
Holmium	165-2	8136813	8101870	8178732	8139138	0.47	cps
Indium	115-1	9052667	9205650	8990290	9082869	1.22	cps
Indium	115-2	3543425	3565660	3581839	3563641	0.54	cps
Iron	56-2	15164	15141	15264	15190	0.43	cps
Iron	57-2	1090	1170	1277	1179	7.94	cps
Iron	54-2	2230	2070	2124	2141	3.81	cps
Krypton	83-1	190	153	200	181	13.56	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166507BL Instrumnet Name : P7
Client Sample ID : PBW507 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:20:04 DataFile Name : 032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	640	563	637	613	7.07	cps
Lead	207-1	577	503	520	533	7.21	cps
Lead	208-1	2537	2307	2433	2426	4.75	cps
Lithium	6-1	881811	874758	869231	875267	0.72	cps
Magnesium	24-2	753	790	883	809	8.29	cps
Manganese	55-2	180	177	257	204	22.14	cps
Molybdenum	94-1	213	273	200	229	17.07	cps
Molybdenum	95-1	103	70	123	99	27.25	cps
Molybdenum	96-1	163	190	143	166	14.14	cps
Molybdenum	97-1	50	77	43	57	31.13	cps
Molybdenum	98-1	147	163	157	156	5.39	cps
Neodymium	150-1	7	7	7	7	0.00	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	1570	1470	1403	1481	5.66	cps
Phosphorus	31-2	133	103	140	126	15.56	cps
Potassium	39-2	51968	50854	51778	51534	1.16	cps
Rhodium	103-1	8250203	8245922	8271502	8255876	0.17	cps
Rhodium	103-2	5112244	5105911	5131105	5116420	0.26	cps
Scandium	45-1	4358410	4367169	4381407	4368995	0.27	cps
Scandium	45-2	434691	432525	430001	432406	0.54	cps
Selenium	82-1	237	320	278	278	14.80	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	380	417	347	381	9.19	cps
Silicon	28-1	730504	722918	727120	726848	0.52	cps
Silver	107-1	103	53	90	82	31.49	cps
Silver	109-1	53	33	27	38	36.73	cps
Sodium	23-2	16589	16779	16606	16658	0.63	cps
Strontium	86-1	287	320	297	301	5.68	cps
Strontium	88-1	177	187	173	179	3.88	cps
Sulfur	34-1	148561	146343	146918	147274	0.78	cps
Terbium	159-1	11504179	11712829	11433014	11550008	1.26	cps
Terbium	159-2	8175280	8094295	8133426	8134334	0.50	cps
Thallium	203-1	257	220	267	248	9.92	cps
Thallium	205-1	577	660	687	641	8.95	cps
Tin	118-1	1203	1050	1107	1120	6.92	cps
Titanium	47-1	67	83	67	72	13.32	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166507BL Instrumnet Name : P7
Client Sample ID : PBW507 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:20:04 DataFile Name : 032CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	97	57	53	69	35.01	cps
Vanadium	51-2	13	10	17	13	25.01	cps
Yttrium	89-1	15046094	15304138	15085920	15145384	0.92	cps
Yttrium	89-2	4465493	4453869	4443648	4454337	0.25	cps
Zinc	66-2	520	530	520	523	1.10	cps
Zirconium	90-1	493	560	500	518	7.09	cps
Zirconium	91-1	133	63	100	99	35.41	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV016 Instrumnet Name : P7
Client Sample ID : CCV016 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:26:13 DataFile Name : 033CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8744649	8753460	8619036	8705715	0.86	cps
Antimony	121-1	4495144	4456216	4460188	4470516	0.48	cps
Arsenic	75-2	223087	222123	219870	221693	0.74	cps
Barium	135-1	5922163	5983113	5895115	5933464	0.76	cps
Barium	137-1	10247229	10431811	10246382	10308474	1.04	cps
Beryllium	9-1	462452	457260	458414	459375	0.59	cps
Bismuth	209-1	6585271	6690121	6584646	6620013	0.92	cps
Bismuth	209-2	5283730	5252303	5237277	5257770	0.45	cps
Bromine	81-1	12916	12799	12716	12810	0.79	cps
Bromine	81-2	93	77	130	100	27.28	cps
Cadmium	108-1	78451	78001	78856	78436	0.55	cps
Cadmium	106-1	116469	114315	112891	114558	1.57	cps
Cadmium	111-1	990455	981084	987074	986204	0.48	cps
Calcium	43-1	4887451	4805917	4781602	4824990	1.15	cps
Calcium	44-1	79168824	77342032	77463002	77991286	1.31	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1713313	1713447	1695854	1707538	0.59	cps
Cobalt	59-2	2580498	2563368	2553757	2565874	0.53	cps
Copper	63-2	17250195	17083988	17088239	17140807	0.55	cps
Dysprosium	156-1	267	257	200	241	14.91	cps
Dysprosium	156-2	400	450	363	404	10.76	cps
Erbium	164-1	293	243	263	267	9.44	cps
Erbium	164-2	173	180	170	174	2.92	cps
Gadolinium	160-1	190	247	197	211	14.67	cps
Gadolinium	160-2	510	487	567	521	7.89	cps
Holmium	165-1	10947690	10936634	10839050	10907791	0.55	cps
Holmium	165-2	7857292	7877727	7917531	7884183	0.39	cps
Indium	115-1	8110305	7962832	7935931	8003023	1.17	cps
Indium	115-2	3134140	3162498	3097206	3131282	1.05	cps
Iron	56-2	393094354	388623154	389128728	390282079	0.63	cps
Iron	57-2	9770717	9705578	9690674	9722323	0.44	cps
Iron	54-2	20935004	21129122	21026998	21030375	0.46	cps
Krypton	83-1	177	183	177	179	2.15	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV016 Instrumnet Name : P7
Client Sample ID : CCV016 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:26:13 DataFile Name : 033CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	18981333	18777957	18950459	18903250	0.58	cps
Lead	207-1	16649864	16537767	16704852	16630828	0.51	cps
Lead	208-1	76090078	76011674	76162109	76087953	0.10	cps
Lithium	6-1	864253	870039	866970	867087	0.33	cps
Magnesium	24-2	76073634	75987682	74792456	75617924	0.95	cps
Manganese	55-2	13743328	13702066	13860211	13768535	0.60	cps
Molybdenum	94-1	15249538	14924952	14973352	15049281	1.16	cps
Molybdenum	95-1	22092703	21677217	21684855	21818258	1.09	cps
Molybdenum	96-1	24369128	23910150	23658718	23979332	1.50	cps
Molybdenum	97-1	13836678	13649335	13364882	13616965	1.74	cps
Molybdenum	98-1	35650914	35005454	34675198	35110522	1.41	cps
Neodymium	150-1	380	440	483	434	11.94	cps
Neodymium	150-2	123	97	110	110	12.12	cps
Nickel	60-2	620677	618974	613780	617810	0.58	cps
Phosphorus	31-2	87820	87354	86583	87252	0.72	cps
Potassium	39-2	48575618	48728841	48157846	48487435	0.61	cps
Rhodium	103-1	7088338	6998016	6851831	6979395	1.71	cps
Rhodium	103-2	4353774	4368161	4385566	4369167	0.36	cps
Scandium	45-1	3939097	3887778	3816965	3881280	1.58	cps
Scandium	45-2	389487	394572	391592	391883	0.65	cps
Selenium	82-1	60415	60274	59756	60148	0.58	cps
Selenium	77-2	6898	6862	7135	6965	2.13	cps
Selenium	78-2	24003	23909	23252	23721	1.73	cps
Silicon	28-1	2694277	2655708	2655361	2668449	0.84	cps
Silver	107-1	5310730	5211493	5236145	5252789	0.98	cps
Silver	109-1	5133966	5076567	4985091	5065208	1.48	cps
Sodium	23-2	119242785	117189428	117819278	118083830	0.89	cps
Strontium	86-1	1346908	1330814	1327393	1335039	0.78	cps
Strontium	88-1	12139899	12032674	12036012	12069528	0.51	cps
Sulfur	34-1	398792	386983	382876	389550	2.12	cps
Terbium	159-1	11109149	11166550	10991079	11088926	0.81	cps
Terbium	159-2	7772213	7780888	7805712	7786271	0.22	cps
Thallium	203-1	4682614	4712266	4785521	4726800	1.12	cps
Thallium	205-1	11252248	11156107	11398766	11269040	1.08	cps
Tin	118-1	3725862	3729733	3744122	3733239	0.26	cps
Titanium	47-1	4843784	4705292	4673003	4740693	1.91	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV016 Instrumnet Name : P7
Client Sample ID : CCV016 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:26:13 DataFile Name : 033CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15909047	16059210	15996999	15988419	0.47	cps
Vanadium	51-2	1534778	1520029	1529420	1528076	0.49	cps
Yttrium	89-1	13802806	13687795	13636590	13709064	0.62	cps
Yttrium	89-2	4046939	4041690	3996191	4028273	0.69	cps
Zinc	66-2	3164590	3096083	3106698	3122457	1.18	cps
Zirconium	90-1	7537315	7477547	7404071	7472977	0.89	cps
Zirconium	91-1	1672024	1634812	1633996	1646944	1.32	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB016 Instrumnet Name : P7
Client Sample ID : CCB016 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:28:59 DataFile Name : 034CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1067	1097	1067	1077	1.61	cps
Antimony	121-1	783	623	737	714	11.52	cps
Arsenic	75-2	33	27	47	36	28.64	cps
Barium	135-1	467	360	513	447	17.60	cps
Barium	137-1	763	833	767	788	5.01	cps
Beryllium	9-1	147	173	163	161	8.36	cps
Bismuth	209-1	7253232	7359269	7258601	7290367	0.82	cps
Bismuth	209-2	5945676	5929797	5868443	5914638	0.69	cps
Bromine	81-1	11985	12145	12332	12154	1.43	cps
Bromine	81-2	77	77	73	76	2.55	cps
Cadmium	108-1	27	10	13	17	52.93	cps
Cadmium	106-1	4057	3941	3784	3927	3.49	cps
Cadmium	111-1	883	904	877	888	1.61	cps
Calcium	43-1	607	653	613	624	4.04	cps
Calcium	44-1	11451	11541	11861	11618	1.86	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	853	903	877	878	2.85	cps
Cobalt	59-2	290	410	390	363	17.69	cps
Copper	63-2	3114	3124	3184	3140	1.21	cps
Dysprosium	156-1	13	3	3	7	86.65	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	63	73	63	67	8.66	cps
Erbium	164-2	60	37	30	42	37.31	cps
Gadolinium	160-1	43	50	47	47	7.15	cps
Gadolinium	160-2	430	467	373	423	11.11	cps
Holmium	165-1	11206337	11268196	11184148	11219560	0.39	cps
Holmium	165-2	8084733	7982307	8006021	8024354	0.67	cps
Indium	115-1	8594135	8685371	8611196	8630234	0.56	cps
Indium	115-2	3472773	3442675	3407161	3440870	0.95	cps
Iron	56-2	52612	54726	57008	54782	4.01	cps
Iron	57-2	2104	2030	1937	2023	4.13	cps
Iron	54-2	4107	4227	4261	4198	1.92	cps
Krypton	83-1	123	133	123	127	4.56	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB016 Instrumnet Name : P7
Client Sample ID : CCB016 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:28:59 DataFile Name : 034CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	2507	2337	2234	2359	5.85	cps
Lead	207-1	2074	1994	2144	2070	3.63	cps
Lead	208-1	9735	9175	9281	9397	3.17	cps
Lithium	6-1	895176	900490	897107	897591	0.30	cps
Magnesium	24-2	7905	8436	8196	8179	3.25	cps
Manganese	55-2	1853	1813	1860	1842	1.37	cps
Molybdenum	94-1	1400	1400	1533	1445	5.33	cps
Molybdenum	95-1	1900	2104	1923	1976	5.63	cps
Molybdenum	96-1	1980	2164	1973	2039	5.29	cps
Molybdenum	97-1	1233	1053	1193	1160	8.15	cps
Molybdenum	98-1	2954	2980	3124	3019	3.03	cps
Neodymium	150-1	7	3	0	3	100.05	cps
Neodymium	150-2	7	3	0	3	100.05	cps
Nickel	60-2	1450	1403	1387	1413	2.32	cps
Phosphorus	31-2	167	170	153	163	5.40	cps
Potassium	39-2	52410	52707	52527	52548	0.29	cps
Rhodium	103-1	7646865	7695658	7779979	7707501	0.87	cps
Rhodium	103-2	4915916	4867580	4838876	4874124	0.80	cps
Scandium	45-1	3888815	3937640	3869307	3898587	0.90	cps
Scandium	45-2	402253	403177	399311	401581	0.50	cps
Selenium	82-1	275	259	263	266	3.18	cps
Selenium	77-2	7	0	3	3	100.05	cps
Selenium	78-2	370	357	337	354	4.73	cps
Silicon	28-1	598574	597496	603423	599831	0.53	cps
Silver	107-1	773	680	670	708	8.05	cps
Silver	109-1	620	613	620	618	0.62	cps
Sodium	23-2	40771	39404	40543	40239	1.82	cps
Strontium	86-1	363	340	367	357	4.07	cps
Strontium	88-1	1120	1070	1087	1092	2.33	cps
Sulfur	34-1	120827	121011	121105	120981	0.12	cps
Terbium	159-1	11449238	11393583	11630830	11491217	1.08	cps
Terbium	159-2	8057136	7960021	7979361	7998839	0.64	cps
Thallium	203-1	780	707	673	720	7.58	cps
Thallium	205-1	1790	1687	1750	1742	2.99	cps
Tin	118-1	1740	1723	1547	1670	6.42	cps
Titanium	47-1	377	337	363	359	5.68	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB016 Instrumnet Name : P7
Client Sample ID : CCB016 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:28:59 DataFile Name : 034CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	1063	1133	1187	1128	5.48	cps
Vanadium	51-2	150	127	143	140	8.58	cps
Yttrium	89-1	14133443	14153184	14085254	14123960	0.25	cps
Yttrium	89-2	4286203	4216203	4183892	4228766	1.24	cps
Zinc	66-2	810	833	793	812	2.47	cps
Zirconium	90-1	1290	1120	1053	1155	10.57	cps
Zirconium	91-1	287	303	277	289	4.66	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166507BS Instrumnet Name : P7
Client Sample ID : LCS507 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:48:32 DataFile Name : 039LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	7512	7969	7519	7666	3.42	cps
Antimony	121-1	37539	36780	37542	37287	1.18	cps
Arsenic	75-2	1103	1147	1120	1123	1.95	cps
Barium	135-1	47171	47342	46773	47095	0.62	cps
Barium	137-1	81522	82075	82745	82114	0.75	cps
Beryllium	9-1	2017	2157	2114	2096	3.42	cps
Bismuth	209-1	7220369	7251899	7319518	7263929	0.70	cps
Bismuth	209-2	5922512	5892376	5868776	5894555	0.46	cps
Bromine	81-1	14350	14377	14761	14496	1.58	cps
Bromine	81-2	147	110	103	120	19.45	cps
Cadmium	108-1	397	407	343	382	8.91	cps
Cadmium	106-1	4594	4621	4784	4666	2.21	cps
Cadmium	111-1	5282	5470	5547	5433	2.51	cps
Calcium	43-1	22390	22801	22003	22398	1.78	cps
Calcium	44-1	361942	365420	364798	364053	0.51	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	15682	15385	15425	15497	1.04	cps
Cobalt	59-2	12365	11838	12068	12090	2.19	cps
Copper	63-2	18642	18662	18298	18534	1.10	cps
Dysprosium	156-1	3	3	0	2	86.60	cps
Dysprosium	156-2	7	10	10	9	21.63	cps
Erbium	164-1	67	57	47	57	17.65	cps
Erbium	164-2	23	23	33	27	21.65	cps
Gadolinium	160-1	47	43	27	39	27.55	cps
Gadolinium	160-2	423	373	410	402	6.44	cps
Holmium	165-1	11316884	11333639	11297172	11315898	0.16	cps
Holmium	165-2	8257024	8187101	8071579	8171901	1.15	cps
Indium	115-1	8932229	8960196	8892162	8928196	0.38	cps
Indium	115-2	3536146	3482455	3529449	3516017	0.83	cps
Iron	56-2	1453790	1426421	1428353	1436188	1.06	cps
Iron	57-2	36959	37944	37046	37316	1.46	cps
Iron	54-2	80761	80855	81354	80990	0.39	cps
Krypton	83-1	120	137	120	126	7.67	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166507BS Instrumnet Name : P7
Client Sample ID : LCS507 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:48:32 DataFile Name : 039LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	15793	15496	15956	15748	1.48	cps
Lead	207-1	13584	13944	13800	13776	1.32	cps
Lead	208-1	62704	62430	63184	62772	0.61	cps
Lithium	6-1	888258	886410	893263	889311	0.40	cps
Magnesium	24-2	306831	305431	305585	305949	0.25	cps
Manganese	55-2	6181	6391	6375	6316	1.85	cps
Molybdenum	94-1	37939	37628	37087	37551	1.15	cps
Molybdenum	95-1	45494	45634	45089	45406	0.62	cps
Molybdenum	96-1	50788	50784	50102	50558	0.78	cps
Molybdenum	97-1	28247	28331	28391	28323	0.25	cps
Molybdenum	98-1	72257	72958	73973	73062	1.18	cps
Neodymium	150-1	23	20	13	19	26.96	cps
Neodymium	150-2	0	0	10	3	173.21	cps
Nickel	60-2	4164	4657	4627	4483	6.17	cps
Phosphorus	31-2	587	607	640	611	4.41	cps
Potassium	39-2	498020	495874	498698	497531	0.30	cps
Rhodium	103-1	8070840	8097947	8026539	8065109	0.45	cps
Rhodium	103-2	5118069	5097015	5071172	5095419	0.46	cps
Scandium	45-1	4153357	4216196	4199828	4189794	0.78	cps
Scandium	45-2	425915	420439	420754	422369	0.73	cps
Selenium	82-1	1849	1835	1785	1823	1.85	cps
Selenium	77-2	137	197	193	176	19.21	cps
Selenium	78-2	970	987	1023	993	2.75	cps
Silicon	28-1	732893	736842	738705	736147	0.40	cps
Silver	107-1	24007	23579	23840	23808	0.90	cps
Silver	109-1	22708	22902	21823	22478	2.56	cps
Sodium	23-2	525313	527710	524687	525903	0.30	cps
Strontium	86-1	5768	5991	5925	5895	1.95	cps
Strontium	88-1	50028	50794	50510	50444	0.77	cps
Sulfur	34-1	136910	139062	139914	138628	1.12	cps
Terbium	159-1	11622118	11507352	11615151	11581541	0.56	cps
Terbium	159-2	8149838	8112077	8141069	8134328	0.24	cps
Thallium	203-1	19000	19113	19404	19172	1.09	cps
Thallium	205-1	44676	45479	44656	44937	1.04	cps
Tin	118-1	79022	77781	77758	78187	0.92	cps
Titanium	47-1	12168	12652	12482	12434	1.97	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166507BS Instrumnet Name : P7
Client Sample ID : LCS507 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:48:32 DataFile Name : 039LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	57021	56389	56874	56761	0.58	cps
Vanadium	51-2	34055	34095	33260	33803	1.39	cps
Yttrium	89-1	14799721	14778448	14851611	14809927	0.25	cps
Yttrium	89-2	4425357	4384749	4396926	4402344	0.47	cps
Zinc	66-2	7772	7769	7689	7743	0.61	cps
Zirconium	90-1	30779	31300	31601	31227	1.33	cps
Zirconium	91-1	6765	6838	6858	6821	0.72	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166509BL Instrumnet Name : P7
Client Sample ID : PBS509 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:51:47 DataFile Name : 040CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	330	283	297	303	7.92	cps
Antimony	121-1	63	53	67	61	11.36	cps
Arsenic	75-2	13	0	7	7	99.98	cps
Barium	135-1	37	23	27	29	24.03	cps
Barium	137-1	67	70	50	62	17.22	cps
Beryllium	9-1	50	67	60	59	14.25	cps
Bismuth	209-1	7242243	7164489	7149505	7185412	0.69	cps
Bismuth	209-2	5917934	5824779	5820284	5854332	0.94	cps
Bromine	81-1	14541	14948	15084	14858	1.90	cps
Bromine	81-2	100	107	130	112	14.04	cps
Cadmium	108-1	17	13	17	16	12.40	cps
Cadmium	106-1	4761	4367	4531	4553	4.34	cps
Cadmium	111-1	947	877	904	910	3.86	cps
Calcium	43-1	273	290	307	290	5.75	cps
Calcium	44-1	5988	5968	5751	5902	2.22	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	720	663	607	663	8.54	cps
Cobalt	59-2	97	137	173	136	28.29	cps
Copper	63-2	1357	1350	1390	1366	1.57	cps
Dysprosium	156-1	7	0	10	6	91.64	cps
Dysprosium	156-2	0	3	3	2	86.60	cps
Erbium	164-1	53	50	67	57	15.57	cps
Erbium	164-2	43	37	37	39	9.89	cps
Gadolinium	160-1	20	30	40	30	33.33	cps
Gadolinium	160-2	397	463	390	417	9.73	cps
Holmium	165-1	11392982	11301099	11201990	11298691	0.85	cps
Holmium	165-2	8108924	8083303	8169125	8120450	0.54	cps
Indium	115-1	8901628	8956968	8878134	8912243	0.45	cps
Indium	115-2	3507438	3537461	3505998	3516966	0.51	cps
Iron	56-2	14991	14270	14347	14536	2.72	cps
Iron	57-2	1000	1073	1047	1040	3.57	cps
Iron	54-2	1977	1903	2244	2041	8.77	cps
Krypton	83-1	163	170	157	163	4.08	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166509BL Instrumnet Name : P7
Client Sample ID : PBS509 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:51:47 DataFile Name : 040CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	760	647	680	696	8.37	cps
Lead	207-1	577	590	617	594	3.43	cps
Lead	208-1	2787	2737	2680	2735	1.95	cps
Lithium	6-1	890652	885125	886214	887330	0.33	cps
Magnesium	24-2	703	773	807	761	6.93	cps
Manganese	55-2	220	270	173	221	21.86	cps
Molybdenum	94-1	253	217	207	226	10.89	cps
Molybdenum	95-1	90	80	113	94	18.11	cps
Molybdenum	96-1	153	167	137	152	9.87	cps
Molybdenum	97-1	60	70	63	64	7.90	cps
Molybdenum	98-1	127	140	160	142	11.80	cps
Neodymium	150-1	0	10	7	6	91.64	cps
Neodymium	150-2	0	0	7	2	173.21	cps
Nickel	60-2	1533	1407	1367	1436	6.06	cps
Phosphorus	31-2	160	153	190	168	11.64	cps
Potassium	39-2	49176	48099	48624	48633	1.11	cps
Rhodium	103-1	8095473	8072612	8086613	8084900	0.14	cps
Rhodium	103-2	5021853	5083822	5052293	5052656	0.61	cps
Scandium	45-1	4271285	4192162	4208867	4224104	0.99	cps
Scandium	45-2	423037	422976	422244	422752	0.10	cps
Selenium	82-1	277	245	298	273	9.75	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	363	390	377	377	3.54	cps
Silicon	28-1	681754	675230	673384	676789	0.65	cps
Silver	107-1	97	93	123	104	15.75	cps
Silver	109-1	20	30	43	31	37.62	cps
Sodium	23-2	16412	16592	16215	16407	1.15	cps
Strontium	86-1	270	263	240	258	6.11	cps
Strontium	88-1	200	130	163	164	21.29	cps
Sulfur	34-1	139298	139322	140714	139778	0.58	cps
Terbium	159-1	11508855	11707534	11564247	11593546	0.88	cps
Terbium	159-2	8136957	8070035	8092229	8099740	0.42	cps
Thallium	203-1	430	393	440	421	5.83	cps
Thallium	205-1	1060	973	927	987	6.86	cps
Tin	118-1	1070	1040	1087	1066	2.22	cps
Titanium	47-1	77	63	43	61	27.46	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166509BL Instrumnet Name : P7
Client Sample ID : PBS509 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:51:47 DataFile Name : 040CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	23	13	23	20	28.87	cps
Vanadium	51-2	13	17	3	11	62.48	cps
Yttrium	89-1	15083018	14704664	15102874	14963519	1.50	cps
Yttrium	89-2	4445979	4367127	4424558	4412555	0.92	cps
Zinc	66-2	423	493	487	468	8.26	cps
Zirconium	90-1	623	510	550	561	10.24	cps
Zirconium	91-1	97	90	60	82	23.76	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166509BS Instrumnet Name : P7
Client Sample ID : LCS509 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:55:06 DataFile Name : 041LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8419	8342	8092	8285	2.06	cps
Antimony	121-1	40554	39207	40129	39963	1.72	cps
Arsenic	75-2	1203	1227	1113	1181	5.07	cps
Barium	135-1	51325	50278	51606	51070	1.37	cps
Barium	137-1	87295	87701	87369	87455	0.25	cps
Beryllium	9-1	2093	2260	2237	2197	4.11	cps
Bismuth	209-1	7270547	7162741	7250942	7228077	0.79	cps
Bismuth	209-2	5815268	5844384	5863469	5841040	0.42	cps
Bromine	81-1	14531	14731	14697	14653	0.73	cps
Bromine	81-2	113	107	160	127	22.94	cps
Cadmium	108-1	370	387	400	386	3.90	cps
Cadmium	106-1	5071	4918	5061	5016	1.71	cps
Cadmium	111-1	5846	5737	5946	5843	1.79	cps
Calcium	43-1	23505	24156	24356	24006	1.85	cps
Calcium	44-1	390833	391870	393808	392170	0.39	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	16342	16479	16082	16301	1.24	cps
Cobalt	59-2	12829	13206	13072	13036	1.47	cps
Copper	63-2	19937	19726	19797	19820	0.54	cps
Dysprosium	156-1	20	23	20	21	9.11	cps
Dysprosium	156-2	13	7	20	13	49.99	cps
Erbium	164-1	53	63	77	64	18.17	cps
Erbium	164-2	37	40	27	34	20.14	cps
Gadolinium	160-1	53	57	33	48	26.42	cps
Gadolinium	160-2	393	383	440	406	7.46	cps
Holmium	165-1	11028879	11305560	11338310	11224250	1.51	cps
Holmium	165-2	8016563	8195603	8183193	8131786	1.23	cps
Indium	115-1	8843600	8840879	9012826	8899101	1.11	cps
Indium	115-2	3578462	3561474	3519305	3553080	0.86	cps
Iron	56-2	1540372	1533856	1516748	1530325	0.80	cps
Iron	57-2	40641	39843	40317	40267	1.00	cps
Iron	54-2	87995	86305	87231	87177	0.97	cps
Krypton	83-1	147	190	187	174	13.82	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166509BS Instrumnet Name : P7
Client Sample ID : LCS509 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:55:06 DataFile Name : 041LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	16377	16453	16724	16518	1.10	cps
Lead	207-1	13991	14615	14661	14422	2.60	cps
Lead	208-1	65155	66741	66814	66237	1.42	cps
Lithium	6-1	891847	886274	885790	887971	0.38	cps
Magnesium	24-2	329357	329961	329598	329639	0.09	cps
Manganese	55-2	6832	6685	6572	6696	1.95	cps
Molybdenum	94-1	39901	40265	39921	40029	0.51	cps
Molybdenum	95-1	48393	48868	48008	48423	0.89	cps
Molybdenum	96-1	54163	54006	54354	54174	0.32	cps
Molybdenum	97-1	30308	30518	30859	30562	0.91	cps
Molybdenum	98-1	78298	78647	78931	78625	0.40	cps
Neodymium	150-1	17	17	10	14	26.66	cps
Neodymium	150-2	3	3	0	2	86.60	cps
Nickel	60-2	4407	4691	4644	4581	3.32	cps
Phosphorus	31-2	643	657	673	658	2.28	cps
Potassium	39-2	533193	536115	533713	534340	0.29	cps
Rhodium	103-1	8051471	8084473	8123475	8086473	0.45	cps
Rhodium	103-2	5063961	5043573	5030450	5045995	0.33	cps
Scandium	45-1	4223567	4194544	4247111	4221741	0.62	cps
Scandium	45-2	425461	426523	425712	425899	0.13	cps
Selenium	82-1	1847	1720	1809	1792	3.64	cps
Selenium	77-2	203	153	167	174	14.84	cps
Selenium	78-2	907	1030	953	963	6.46	cps
Silicon	28-1	760752	766941	763620	763771	0.41	cps
Silver	107-1	25275	24841	25262	25126	0.98	cps
Silver	109-1	23967	23916	24067	23983	0.32	cps
Sodium	23-2	567148	563837	565619	565535	0.29	cps
Strontium	86-1	6348	6391	6301	6347	0.71	cps
Strontium	88-1	54139	53744	54450	54111	0.65	cps
Sulfur	34-1	143432	143338	145364	144045	0.79	cps
Terbium	159-1	11418782	11368459	11540794	11442678	0.77	cps
Terbium	159-2	8163319	8089977	8056178	8103158	0.68	cps
Thallium	203-1	20425	20302	19948	20225	1.22	cps
Thallium	205-1	47894	48690	48754	48446	0.99	cps
Tin	118-1	83872	84523	83983	84126	0.41	cps
Titanium	47-1	12919	12622	12655	12732	1.28	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166509BS Instrumnet Name : P7
Client Sample ID : LCS509 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:55:06 DataFile Name : 041LCSE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	61150	61689	59800	60879	1.60	cps
Vanadium	51-2	36360	36444	35933	36246	0.76	cps
Yttrium	89-1	14846459	14902392	15005453	14918101	0.54	cps
Yttrium	89-2	4424575	4361502	4382385	4389487	0.73	cps
Zinc	66-2	8376	8456	8586	8472	1.25	cps
Zirconium	90-1	33598	33154	33298	33350	0.68	cps
Zirconium	91-1	7349	7339	7462	7383	0.93	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166539BL Instrumnet Name : P7
Client Sample ID : PBS539 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:58:21 DataFile Name : 042CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	207	270	207	228	16.05	cps
Antimony	121-1	40	73	40	51	37.65	cps
Arsenic	75-2	3	3	3	3	0.00	cps
Barium	135-1	63	47	23	44	45.21	cps
Barium	137-1	47	80	97	74	34.20	cps
Beryllium	9-1	70	77	77	74	5.17	cps
Bismuth	209-1	7142366	7303742	7126653	7190920	1.36	cps
Bismuth	209-2	5853042	5880680	5757869	5830530	1.10	cps
Bromine	81-1	14951	15094	14737	14928	1.20	cps
Bromine	81-2	87	97	93	92	5.52	cps
Cadmium	108-1	7	17	3	9	78.08	cps
Cadmium	106-1	4494	4397	4314	4402	2.05	cps
Cadmium	111-1	897	871	864	877	2.02	cps
Calcium	43-1	323	333	250	302	15.06	cps
Calcium	44-1	6101	6055	5928	6028	1.49	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	617	603	617	612	1.26	cps
Cobalt	59-2	100	130	123	118	13.38	cps
Copper	63-2	1313	1367	1360	1347	2.16	cps
Dysprosium	156-1	3	10	3	6	69.34	cps
Dysprosium	156-2	0	3	7	3	100.05	cps
Erbium	164-1	43	43	73	53	32.48	cps
Erbium	164-2	40	37	33	37	9.10	cps
Gadolinium	160-1	37	37	33	36	5.42	cps
Gadolinium	160-2	397	387	460	414	9.59	cps
Holmium	165-1	11300394	11338024	11191620	11276679	0.67	cps
Holmium	165-2	8154903	8008919	8045958	8069927	0.94	cps
Indium	115-1	8826060	8948395	8999102	8924519	1.00	cps
Indium	115-2	3574836	3565679	3556853	3565789	0.25	cps
Iron	56-2	14824	14150	14397	14457	2.36	cps
Iron	57-2	1030	1107	1200	1112	7.65	cps
Iron	54-2	1910	2043	2007	1987	3.47	cps
Krypton	83-1	133	150	177	153	14.25	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166539BL Instrumnet Name : P7
Client Sample ID : PBS539 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:58:21 DataFile Name : 042CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	767	617	637	673	12.10	cps
Lead	207-1	533	610	587	577	6.82	cps
Lead	208-1	3110	2643	2697	2817	9.07	cps
Lithium	6-1	883090	879620	875260	879323	0.45	cps
Magnesium	24-2	670	843	677	730	13.45	cps
Manganese	55-2	173	153	160	162	6.28	cps
Molybdenum	94-1	197	227	253	226	12.57	cps
Molybdenum	95-1	70	123	73	89	33.62	cps
Molybdenum	96-1	147	120	177	148	19.18	cps
Molybdenum	97-1	57	77	73	69	15.55	cps
Molybdenum	98-1	130	143	117	130	10.26	cps
Neodymium	150-1	3	7	0	3	100.05	cps
Neodymium	150-2	3	0	7	3	100.05	cps
Nickel	60-2	1453	1390	1367	1403	3.20	cps
Phosphorus	31-2	150	150	173	158	8.54	cps
Potassium	39-2	49567	49239	48915	49240	0.66	cps
Rhodium	103-1	8129792	8136810	8101070	8122557	0.23	cps
Rhodium	103-2	5073733	5126210	5048240	5082728	0.78	cps
Scandium	45-1	4201944	4225053	4261727	4229575	0.71	cps
Scandium	45-2	424448	424640	423373	424154	0.16	cps
Selenium	82-1	307	338	222	289	20.73	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	407	457	487	450	8.98	cps
Silicon	28-1	691471	692235	703382	695696	0.96	cps
Silver	107-1	100	87	103	97	9.12	cps
Silver	109-1	30	30	37	32	11.95	cps
Sodium	23-2	16082	15651	16412	16048	2.38	cps
Strontium	86-1	240	303	273	272	11.64	cps
Strontium	88-1	113	167	207	162	28.87	cps
Sulfur	34-1	143684	142645	142760	143030	0.40	cps
Terbium	159-1	11560754	11441258	11539086	11513699	0.55	cps
Terbium	159-2	7958106	7938221	7993482	7963269	0.35	cps
Thallium	203-1	453	363	343	387	15.15	cps
Thallium	205-1	1000	947	883	943	6.19	cps
Tin	118-1	1050	1057	1067	1058	0.79	cps
Titanium	47-1	77	50	77	68	22.72	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166539BL Instrumnet Name : P7
Client Sample ID : PBS539 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 19:58:21 DataFile Name : 042CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	27	20	27	24	15.75	cps
Vanadium	51-2	0	7	20	9	114.55	cps
Yttrium	89-1	15018136	14999551	14959155	14992281	0.20	cps
Yttrium	89-2	4378049	4383151	4393976	4385059	0.19	cps
Zinc	66-2	483	457	477	472	2.94	cps
Zirconium	90-1	540	510	527	526	2.86	cps
Zirconium	91-1	90	97	107	98	8.58	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166539BS Instrumnet Name : P7
Client Sample ID : LCS539 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:01:40 DataFile Name : 043LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1762285	1754175	1746849	1754436	0.44	cps
Antimony	121-1	4709000	4738073	4662913	4703329	0.81	cps
Arsenic	75-2	234118	230346	230557	231673	0.91	cps
Barium	135-1	6095561	6161688	6168100	6141783	0.65	cps
Barium	137-1	10614790	10765377	10436196	10605454	1.55	cps
Beryllium	9-1	464954	458611	455551	459706	1.04	cps
Bismuth	209-1	7053957	7101762	7154874	7103531	0.71	cps
Bismuth	209-2	5629126	5647856	5716911	5664631	0.82	cps
Bromine	81-1	13286	13279	12932	13166	1.54	cps
Bromine	81-2	93	90	90	91	2.11	cps
Cadmium	108-1	84558	83720	83713	83997	0.58	cps
Cadmium	106-1	123277	122000	120609	121962	1.09	cps
Cadmium	111-1	1071933	1071907	1059970	1067937	0.65	cps
Calcium	43-1	1052367	1041335	1023854	1039186	1.38	cps
Calcium	44-1	16502277	16159620	16088041	16249980	1.36	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1732439	1757492	1767822	1752584	1.04	cps
Cobalt	59-2	2686129	2689338	2663107	2679525	0.53	cps
Copper	63-2	18341025	18386606	18205536	18311056	0.51	cps
Dysprosium	156-1	103	110	80	98	16.11	cps
Dysprosium	156-2	310	307	377	331	11.93	cps
Erbium	164-1	103	107	103	104	1.85	cps
Erbium	164-2	77	63	77	72	10.66	cps
Gadolinium	160-1	60	87	77	74	18.10	cps
Gadolinium	160-2	477	500	417	464	9.26	cps
Holmium	165-1	11191296	11253785	11174902	11206661	0.37	cps
Holmium	165-2	8026171	8090128	8021539	8045946	0.48	cps
Indium	115-1	8598170	8464736	8367029	8476645	1.37	cps
Indium	115-2	3333452	3343082	3338101	3338212	0.14	cps
Iron	56-2	82214102	82051234	81295187	81853508	0.60	cps
Iron	57-2	2036171	2045724	2053440	2045112	0.42	cps
Iron	54-2	4496020	4437176	4447079	4460091	0.71	cps
Krypton	83-1	133	140	163	146	10.82	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166539BS Instrumnet Name : P7
Client Sample ID : LCS539 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:01:40 DataFile Name : 043LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19677438	19509741	19642636	19609938	0.45	cps
Lead	207-1	17203360	17391139	17520636	17371712	0.92	cps
Lead	208-1	79010628	79221157	79812808	79348198	0.52	cps
Lithium	6-1	893375	886511	889311	889732	0.39	cps
Magnesium	24-2	15348677	15258953	15334792	15314141	0.32	cps
Manganese	55-2	14121803	14288722	14021806	14144110	0.95	cps
Molybdenum	94-1	15571562	15351024	15240723	15387769	1.09	cps
Molybdenum	95-1	22605284	22352436	21977236	22311652	1.42	cps
Molybdenum	96-1	24704162	24402198	24306533	24470964	0.85	cps
Molybdenum	97-1	14018671	13880711	13779170	13892851	0.87	cps
Molybdenum	98-1	36236147	35795652	35269464	35767088	1.35	cps
Neodymium	150-1	470	403	413	429	8.38	cps
Neodymium	150-2	67	73	107	82	26.07	cps
Nickel	60-2	655245	655554	655397	655398	0.02	cps
Phosphorus	31-2	87444	87488	87401	87444	0.05	cps
Potassium	39-2	10099953	10115718	10069356	10095009	0.23	cps
Rhodium	103-1	7596283	7663112	7494171	7584522	1.12	cps
Rhodium	103-2	4735536	4706025	4676339	4705967	0.63	cps
Scandium	45-1	4069806	3965485	3968148	4001146	1.49	cps
Scandium	45-2	399123	399202	397513	398613	0.24	cps
Selenium	82-1	66512	64896	64322	65243	1.74	cps
Selenium	77-2	7709	7719	7682	7703	0.25	cps
Selenium	78-2	25599	25676	25248	25508	0.89	cps
Silicon	28-1	2750298	2702076	2656508	2702961	1.74	cps
Silver	107-1	5777491	5705062	5658520	5713691	1.05	cps
Silver	109-1	5574843	5524651	5416174	5505223	1.47	cps
Sodium	23-2	24591403	24382992	24337874	24437423	0.55	cps
Strontium	86-1	1381423	1360745	1359344	1367171	0.90	cps
Strontium	88-1	12654791	12406169	12179505	12413489	1.92	cps
Sulfur	34-1	407546	398411	391432	399130	2.02	cps
Terbium	159-1	11535180	11635600	11467095	11545958	0.73	cps
Terbium	159-2	8002213	8047747	7962274	8004078	0.53	cps
Thallium	203-1	4869854	4814007	4848073	4843978	0.58	cps
Thallium	205-1	11646391	11613030	11693183	11650868	0.35	cps
Tin	118-1	3888339	3920239	3858448	3889009	0.79	cps
Titanium	47-1	4942294	4819018	4762474	4841262	1.90	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166539BS Instrumnet Name : P7
Client Sample ID : LCS539 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:01:40 DataFile Name : 043LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15685304	16178514	15958389	15940736	1.55	cps
Vanadium	51-2	1551818	1565975	1534425	1550739	1.02	cps
Yttrium	89-1	14650982	14433595	14156346	14413641	1.72	cps
Yttrium	89-2	4139697	4185653	4140969	4155440	0.63	cps
Zinc	66-2	3379932	3389446	3409850	3393076	0.45	cps
Zirconium	90-1	7754868	7626413	7509737	7630339	1.61	cps
Zirconium	91-1	1709001	1690919	1639232	1679718	2.16	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166515BL Instrumnet Name : P7
Client Sample ID : PBW515 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:04:25 DataFile Name : 044CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	237	227	247	237	4.23	cps
Antimony	121-1	447	417	390	418	6.79	cps
Arsenic	75-2	0	10	0	3	173.21	cps
Barium	135-1	67	60	37	54	28.93	cps
Barium	137-1	137	87	103	109	23.38	cps
Beryllium	9-1	113	97	120	110	10.92	cps
Bismuth	209-1	7245365	7191503	7247383	7228084	0.44	cps
Bismuth	209-2	5840159	5782739	5794727	5805875	0.52	cps
Bromine	81-1	12399	12782	12649	12610	1.54	cps
Bromine	81-2	90	107	83	93	12.88	cps
Cadmium	108-1	3	3	3	3	0.00	cps
Cadmium	106-1	4014	4027	3777	3939	3.57	cps
Cadmium	111-1	847	840	786	824	4.02	cps
Calcium	43-1	263	277	283	274	3.71	cps
Calcium	44-1	6071	5558	5501	5710	5.50	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	623	610	603	612	1.66	cps
Cobalt	59-2	103	80	123	102	21.22	cps
Copper	63-2	1323	1337	1340	1333	0.66	cps
Dysprosium	156-1	10	10	0	7	86.60	cps
Dysprosium	156-2	0	0	0	0	0.00	cps
Erbium	164-1	47	50	60	52	13.28	cps
Erbium	164-2	37	73	50	53	34.79	cps
Gadolinium	160-1	27	40	23	30	29.40	cps
Gadolinium	160-2	353	357	403	371	7.53	cps
Holmium	165-1	11153552	11132277	11217698	11167842	0.40	cps
Holmium	165-2	7974892	8080806	7948566	8001421	0.87	cps
Indium	115-1	8615537	8565760	8598485	8593261	0.29	cps
Indium	115-2	3421384	3452082	3452481	3441982	0.52	cps
Iron	56-2	13273	13359	13533	13388	0.99	cps
Iron	57-2	957	1073	887	972	9.70	cps
Iron	54-2	1857	1770	2060	1896	7.85	cps
Krypton	83-1	193	133	120	149	26.24	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166515BL Instrumnet Name : P7
Client Sample ID : PBW515 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:04:25 DataFile Name : 044CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1070	913	817	933	13.70	cps
Lead	207-1	807	843	720	790	8.02	cps
Lead	208-1	3890	3590	3187	3556	9.93	cps
Lithium	6-1	874262	881965	876904	877711	0.45	cps
Magnesium	24-2	700	727	640	689	6.44	cps
Manganese	55-2	287	307	307	300	3.85	cps
Molybdenum	94-1	467	400	397	421	9.38	cps
Molybdenum	95-1	427	383	397	402	5.52	cps
Molybdenum	96-1	500	500	667	556	17.34	cps
Molybdenum	97-1	253	250	200	234	12.74	cps
Molybdenum	98-1	627	590	567	594	5.09	cps
Neodymium	150-1	3	3	3	3	0.00	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	1303	1233	1220	1252	3.57	cps
Phosphorus	31-2	133	183	127	148	20.96	cps
Potassium	39-2	45337	44963	46347	45549	1.57	cps
Rhodium	103-1	7740819	7711729	7722677	7725075	0.19	cps
Rhodium	103-2	4859561	4902178	4953322	4905020	0.96	cps
Scandium	45-1	3899353	3919996	3920262	3913204	0.31	cps
Scandium	45-2	399221	399499	399472	399397	0.04	cps
Selenium	82-1	183	327	269	260	27.88	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	357	440	377	391	11.12	cps
Silicon	28-1	617074	610823	614290	614062	0.51	cps
Silver	107-1	343	323	280	316	10.26	cps
Silver	109-1	293	233	270	266	11.39	cps
Sodium	23-2	18047	17670	17547	17755	1.47	cps
Strontium	86-1	267	217	227	237	11.18	cps
Strontium	88-1	197	173	227	199	13.44	cps
Sulfur	34-1	117201	115650	117064	116639	0.74	cps
Terbium	159-1	11512648	11414744	11373567	11433653	0.62	cps
Terbium	159-2	7956998	7944173	7970611	7957261	0.17	cps
Thallium	203-1	337	370	333	347	5.85	cps
Thallium	205-1	1013	910	793	906	12.16	cps
Tin	118-1	1023	1013	953	997	3.80	cps
Titanium	47-1	123	110	77	103	23.26	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166515BL Instrumnet Name : P7
Client Sample ID : PBW515 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:04:25 DataFile Name : 044CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	100	90	83	91	9.21	cps
Vanadium	51-2	23	13	13	17	34.65	cps
Yttrium	89-1	14074006	14281709	14123433	14159716	0.77	cps
Yttrium	89-2	4249377	4207856	4273341	4243525	0.78	cps
Zinc	66-2	520	497	517	511	2.47	cps
Zirconium	90-1	700	647	650	666	4.49	cps
Zirconium	91-1	160	167	120	149	16.95	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166515BS Instrumnet Name : P7
Client Sample ID : LCS515 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:07:45 DataFile Name : 045LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1780812	1736295	1774766	1763958	1.37	cps
Antimony	121-1	4604276	4701713	4704446	4670145	1.22	cps
Arsenic	75-2	235567	234138	233918	234541	0.38	cps
Barium	135-1	5919731	6135949	6176281	6077320	2.27	cps
Barium	137-1	10330068	10534752	10618254	10494358	1.41	cps
Beryllium	9-1	432023	451630	450356	444669	2.47	cps
Bismuth	209-1	7700898	7360226	7219474	7426866	3.33	cps
Bismuth	209-2	5706380	5735808	5711853	5718014	0.27	cps
Bromine	81-1	12589	12679	12475	12581	0.81	cps
Bromine	81-2	117	77	83	92	23.24	cps
Cadmium	108-1	79654	81812	83535	81667	2.38	cps
Cadmium	106-1	117561	122205	121301	120356	2.05	cps
Cadmium	111-1	1028411	1062582	1067579	1052857	2.02	cps
Calcium	43-1	1000878	1030787	1018349	1016671	1.48	cps
Calcium	44-1	15588772	16047355	16096754	15910960	1.76	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1749341	1752054	1762200	1754531	0.39	cps
Cobalt	59-2	2748103	2726545	2685274	2719974	1.17	cps
Copper	63-2	18423562	18336111	18286348	18348674	0.38	cps
Dysprosium	156-1	87	87	113	96	16.11	cps
Dysprosium	156-2	393	270	310	324	19.39	cps
Erbium	164-1	93	117	70	93	25.00	cps
Erbium	164-2	80	127	63	90	36.48	cps
Gadolinium	160-1	97	107	70	91	20.80	cps
Gadolinium	160-2	377	417	417	403	5.73	cps
Holmium	165-1	12152491	11503987	11515977	11724152	3.16	cps
Holmium	165-2	8240878	8193678	8065517	8166691	1.11	cps
Indium	115-1	9056790	8668558	8336459	8687269	4.15	cps
Indium	115-2	3326870	3304730	3294972	3308857	0.49	cps
Iron	56-2	83257452	81514160	81907154	82226255	1.11	cps
Iron	57-2	2062484	2043838	2066524	2057615	0.59	cps
Iron	54-2	4498925	4447642	4498667	4481745	0.66	cps
Krypton	83-1	147	130	137	138	6.09	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166515BS Instrumnet Name : P7
Client Sample ID : LCS515 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:07:45 DataFile Name : 045LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19563446	20040927	19961444	19855273	1.29	cps
Lead	207-1	16954085	17485354	17552894	17330778	1.89	cps
Lead	208-1	78109489	80509739	80355689	79658306	1.69	cps
Lithium	6-1	947621	892684	882977	907761	3.84	cps
Magnesium	24-2	15654535	15362159	15426118	15480937	0.99	cps
Manganese	55-2	14441232	14146999	14232046	14273426	1.06	cps
Molybdenum	94-1	14776860	15309169	15265454	15117161	1.95	cps
Molybdenum	95-1	21603216	22331341	22160461	22031673	1.73	cps
Molybdenum	96-1	23715570	24341884	24055494	24037649	1.30	cps
Molybdenum	97-1	13496819	13859294	13677251	13677788	1.33	cps
Molybdenum	98-1	34935363	35627940	35450980	35338094	1.02	cps
Neodymium	150-1	337	340	390	356	8.40	cps
Neodymium	150-2	60	97	77	78	23.61	cps
Nickel	60-2	661790	661166	660243	661066	0.12	cps
Phosphorus	31-2	87780	87558	87310	87549	0.27	cps
Potassium	39-2	10170354	10131320	10170354	10157343	0.22	cps
Rhodium	103-1	8113106	7627373	7592213	7777564	3.74	cps
Rhodium	103-2	4736255	4686252	4755239	4725915	0.75	cps
Scandium	45-1	4268875	3966621	3940541	4058679	4.50	cps
Scandium	45-2	400794	397071	402073	399979	0.65	cps
Selenium	82-1	62730	64516	63971	63739	1.44	cps
Selenium	77-2	7539	7592	7829	7653	2.02	cps
Selenium	78-2	26287	25716	26197	26066	1.18	cps
Silicon	28-1	2602820	2650882	2637216	2630306	0.94	cps
Silver	107-1	5530780	5645715	5725606	5634033	1.74	cps
Silver	109-1	5306957	5513619	5418946	5413174	1.91	cps
Sodium	23-2	24589730	24625446	24636545	24617240	0.10	cps
Strontium	86-1	1317370	1369519	1357658	1348182	2.03	cps
Strontium	88-1	11986392	12298071	12334859	12206441	1.57	cps
Sulfur	34-1	370678	377084	377382	375048	1.01	cps
Terbium	159-1	12349332	11807991	11677191	11944838	2.98	cps
Terbium	159-2	8158250	8040443	8096229	8098307	0.73	cps
Thallium	203-1	4797369	4980508	4968243	4915373	2.08	cps
Thallium	205-1	11680904	11889489	11814031	11794808	0.90	cps
Tin	118-1	3746788	3894219	3894383	3845130	2.21	cps
Titanium	47-1	4601639	4731489	4773355	4702161	1.90	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166515BS Instrumnet Name : P7
Client Sample ID : LCS515 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:07:45 DataFile Name : 045LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	15652368	16369507	16328924	16116933	2.50	cps
Vanadium	51-2	1572460	1543723	1549635	1555272	0.98	cps
Yttrium	89-1	15381296	14454739	14323817	14719950	3.92	cps
Yttrium	89-2	4276830	4186337	4192940	4218702	1.20	cps
Zinc	66-2	3418951	3424215	3411949	3418372	0.18	cps
Zirconium	90-1	7310135	7483043	7575146	7456108	1.80	cps
Zirconium	91-1	1617439	1671178	1664817	1651145	1.78	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166519BL Instrumnet Name : P7
Client Sample ID : PBW519 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:10:26 DataFile Name : 046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	233	287	253	258	10.45	cps
Antimony	121-1	507	510	457	491	6.08	cps
Arsenic	75-2	20	7	7	11	69.25	cps
Barium	135-1	93	93	113	100	11.55	cps
Barium	137-1	153	133	110	132	16.40	cps
Beryllium	9-1	157	120	127	134	14.53	cps
Bismuth	209-1	7363244	7388489	7366407	7372713	0.19	cps
Bismuth	209-2	5866445	5883989	5903969	5884801	0.32	cps
Bromine	81-1	12565	12599	12625	12597	0.24	cps
Bromine	81-2	70	53	70	64	14.93	cps
Cadmium	108-1	7	20	13	13	49.99	cps
Cadmium	106-1	4141	4164	4001	4102	2.15	cps
Cadmium	111-1	887	872	824	861	3.81	cps
Calcium	43-1	230	280	247	252	10.10	cps
Calcium	44-1	5741	5521	5681	5648	2.01	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	640	623	743	669	9.72	cps
Cobalt	59-2	147	117	113	126	14.62	cps
Copper	63-2	1553	1363	1523	1480	6.90	cps
Dysprosium	156-1	0	3	0	1	173.21	cps
Dysprosium	156-2	10	0	3	4	114.60	cps
Erbium	164-1	110	73	50	78	38.89	cps
Erbium	164-2	40	17	37	31	40.56	cps
Gadolinium	160-1	33	27	17	26	32.81	cps
Gadolinium	160-2	350	413	343	369	10.47	cps
Holmium	165-1	11345573	11306799	11201476	11284616	0.66	cps
Holmium	165-2	8118855	8021882	8010406	8050381	0.74	cps
Indium	115-1	8646613	8619419	8630472	8632168	0.16	cps
Indium	115-2	3505815	3412295	3398511	3438874	1.70	cps
Iron	56-2	14117	13927	14123	14056	0.80	cps
Iron	57-2	1003	843	977	941	9.11	cps
Iron	54-2	1947	1863	2150	1987	7.42	cps
Krypton	83-1	193	167	167	176	8.77	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166519BL Instrumnet Name : P7
Client Sample ID : PBW519 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:10:26 DataFile Name : 046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1120	910	950	993	11.23	cps
Lead	207-1	997	1047	903	982	7.41	cps
Lead	208-1	4517	4104	3934	4185	7.17	cps
Lithium	6-1	887536	883122	885395	885351	0.25	cps
Magnesium	24-2	747	830	847	808	6.63	cps
Manganese	55-2	347	330	363	347	4.81	cps
Molybdenum	94-1	697	477	537	570	19.95	cps
Molybdenum	95-1	603	447	457	502	17.46	cps
Molybdenum	96-1	757	680	590	676	12.35	cps
Molybdenum	97-1	340	397	297	344	14.56	cps
Molybdenum	98-1	997	727	803	842	16.52	cps
Neodymium	150-1	0	3	7	3	100.05	cps
Neodymium	150-2	7	0	0	2	173.21	cps
Nickel	60-2	1233	1247	1257	1246	0.94	cps
Phosphorus	31-2	163	163	130	152	12.64	cps
Potassium	39-2	44448	44695	44816	44653	0.42	cps
Rhodium	103-1	7734573	7733608	7718730	7728970	0.11	cps
Rhodium	103-2	5003501	4914969	4844701	4921057	1.62	cps
Scandium	45-1	3895009	3880042	3883055	3886035	0.20	cps
Scandium	45-2	398948	399271	398500	398907	0.10	cps
Selenium	82-1	194	259	232	229	14.27	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	383	433	383	400	7.22	cps
Silicon	28-1	604604	599327	602662	602198	0.44	cps
Silver	107-1	350	447	350	382	14.60	cps
Silver	109-1	387	293	220	300	27.85	cps
Sodium	23-2	18481	18731	18124	18446	1.65	cps
Strontium	86-1	283	253	247	261	7.48	cps
Strontium	88-1	293	277	200	257	19.39	cps
Sulfur	34-1	113386	113517	112940	113281	0.27	cps
Terbium	159-1	11586498	11459415	11641233	11562382	0.81	cps
Terbium	159-2	8109617	8069509	8049700	8076275	0.38	cps
Thallium	203-1	467	420	347	411	14.72	cps
Thallium	205-1	1103	1043	917	1021	9.33	cps
Tin	118-1	1147	1107	1100	1118	2.26	cps
Titanium	47-1	107	113	93	104	9.75	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166519BL Instrumnet Name : P7
Client Sample ID : PBW519 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:10:26 DataFile Name : 046CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	247	173	143	188	28.31	cps
Vanadium	51-2	20	33	23	26	27.15	cps
Yttrium	89-1	14250475	14181566	14203655	14211899	0.25	cps
Yttrium	89-2	4304413	4195320	4239580	4246437	1.29	cps
Zinc	66-2	457	537	497	497	8.05	cps
Zirconium	90-1	763	757	743	754	1.35	cps
Zirconium	91-1	193	157	170	173	10.71	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166519BS Instrumnet Name : P7
Client Sample ID : LCS519 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:13:45 DataFile Name : 047DLCW.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1767603	1756783	1761352	1761913	0.31	cps
Antimony	121-1	4669471	4716887	4679982	4688780	0.53	cps
Arsenic	75-2	233697	233034	231487	232739	0.49	cps
Barium	135-1	6200068	6138491	6115829	6151463	0.71	cps
Barium	137-1	10692635	10614882	10570902	10626140	0.58	cps
Beryllium	9-1	449991	449470	451516	450326	0.24	cps
Bismuth	209-1	7382641	7316084	7325970	7341565	0.49	cps
Bismuth	209-2	5828130	5722093	5717868	5756030	1.09	cps
Bromine	81-1	12682	12532	13139	12784	2.47	cps
Bromine	81-2	97	50	70	72	32.42	cps
Cadmium	108-1	83351	83089	83814	83418	0.44	cps
Cadmium	106-1	121237	120672	120155	120688	0.45	cps
Cadmium	111-1	1061078	1065359	1065758	1064065	0.24	cps
Calcium	43-1	1018554	1016168	1017881	1017535	0.12	cps
Calcium	44-1	16016354	15860188	15797997	15891513	0.71	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1756644	1756094	1750327	1754355	0.20	cps
Cobalt	59-2	2715421	2702997	2707423	2708614	0.23	cps
Copper	63-2	18314819	18147113	18229721	18230551	0.46	cps
Dysprosium	156-1	107	117	127	117	8.57	cps
Dysprosium	156-2	293	337	330	320	7.29	cps
Erbium	164-1	93	107	93	98	7.88	cps
Erbium	164-2	63	80	67	70	12.60	cps
Gadolinium	160-1	97	90	87	91	5.59	cps
Gadolinium	160-2	410	410	463	428	7.20	cps
Holmium	165-1	11409568	11513652	11559059	11494093	0.67	cps
Holmium	165-2	8317873	8202866	8080634	8200458	1.45	cps
Indium	115-1	8479596	8505818	8416521	8467312	0.54	cps
Indium	115-2	3362104	3353934	3315652	3343896	0.74	cps
Iron	56-2	81861645	82534860	82180434	82192313	0.41	cps
Iron	57-2	2057792	2044360	2064677	2055610	0.50	cps
Iron	54-2	4437860	4420700	4444311	4434290	0.28	cps
Krypton	83-1	147	180	137	154	14.69	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166519BS Instrumnet Name : P7
Client Sample ID : LCS519 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:13:45 DataFile Name : 047DLCW.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	20042222	20414653	20368906	20275260	1.00	cps
Lead	207-1	17678087	17876361	17871240	17808563	0.63	cps
Lead	208-1	81473380	81921363	81762400	81719048	0.28	cps
Lithium	6-1	895664	899704	892939	896102	0.38	cps
Magnesium	24-2	15356485	15408628	15252511	15339208	0.52	cps
Manganese	55-2	14247352	14214804	14319645	14260600	0.38	cps
Molybdenum	94-1	15192224	15185140	15275754	15217706	0.33	cps
Molybdenum	95-1	22212531	22035486	22098521	22115513	0.41	cps
Molybdenum	96-1	24145154	24128626	24127576	24133785	0.04	cps
Molybdenum	97-1	13765827	13799554	13838155	13801179	0.26	cps
Molybdenum	98-1	35581107	35697998	35459148	35579418	0.34	cps
Neodymium	150-1	430	293	383	369	18.83	cps
Neodymium	150-2	87	123	107	106	17.39	cps
Nickel	60-2	654418	653293	659413	655708	0.50	cps
Phosphorus	31-2	88501	86281	87397	87393	1.27	cps
Potassium	39-2	10113653	10159934	10102302	10125296	0.30	cps
Rhodium	103-1	7609336	7595669	7452624	7552543	1.15	cps
Rhodium	103-2	4818717	4723465	4707288	4749823	1.27	cps
Scandium	45-1	3921075	3912891	3883630	3905865	0.50	cps
Scandium	45-2	400502	396010	394359	396957	0.80	cps
Selenium	82-1	64812	64331	64610	64584	0.37	cps
Selenium	77-2	7665	7505	7519	7563	1.17	cps
Selenium	78-2	25368	25689	25459	25505	0.65	cps
Silicon	28-1	2607753	2618871	2574769	2600464	0.88	cps
Silver	107-1	5727835	5703164	5720999	5717333	0.22	cps
Silver	109-1	5468380	5423381	5457551	5449770	0.43	cps
Sodium	23-2	24468800	24513135	24175455	24385797	0.75	cps
Strontium	86-1	1359933	1361449	1358604	1359996	0.10	cps
Strontium	88-1	12296360	12230334	12230065	12252253	0.31	cps
Sulfur	34-1	377638	374076	370259	373991	0.99	cps
Terbium	159-1	11705994	11638754	11650584	11665111	0.31	cps
Terbium	159-2	8125371	8123869	8179937	8143059	0.39	cps
Thallium	203-1	4984797	4982590	5098824	5022070	1.32	cps
Thallium	205-1	11871426	12076974	12147278	12031893	1.19	cps
Tin	118-1	3860858	3879319	3899003	3879727	0.49	cps
Titanium	47-1	4735668	4648847	4641876	4675464	1.12	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : PB166519BS Instrumnet Name : P7
Client Sample ID : LCS519 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:13:45 DataFile Name : 047DLCW.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16665516	16238361	16379684	16427854	1.32	cps
Vanadium	51-2	1554928	1549345	1531564	1545279	0.79	cps
Yttrium	89-1	14308836	14260826	14134258	14234640	0.63	cps
Yttrium	89-2	4278802	4181381	4171698	4210627	1.41	cps
Zinc	66-2	3400749	3412878	3433798	3415808	0.49	cps
Zirconium	90-1	7485197	7469061	7547954	7500737	0.56	cps
Zirconium	91-1	1664919	1654018	1683097	1667344	0.88	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV017 Instrumnet Name : P7
Client Sample ID : CCV017 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:16:26 DataFile Name : 048CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8855908	8849943	8870752	8858868	0.12	cps
Antimony	121-1	4528552	4533543	4538826	4533641	0.11	cps
Arsenic	75-2	223423	223615	224007	223682	0.13	cps
Barium	135-1	5947148	6053423	6090089	6030220	1.23	cps
Barium	137-1	10370032	10404247	10503724	10426001	0.67	cps
Beryllium	9-1	447349	448783	450835	448989	0.39	cps
Bismuth	209-1	6972207	6891873	6959262	6941114	0.62	cps
Bismuth	209-2	5380297	5481985	5468062	5443448	1.01	cps
Bromine	81-1	12852	12746	12946	12848	0.78	cps
Bromine	81-2	93	110	120	108	12.50	cps
Cadmium	108-1	79318	79600	78762	79227	0.54	cps
Cadmium	106-1	113653	116892	115397	115314	1.41	cps
Cadmium	111-1	986901	1003377	1005178	998485	1.01	cps
Calcium	43-1	4705890	4742091	4739552	4729178	0.43	cps
Calcium	44-1	76263131	76771006	76967894	76667343	0.47	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1734213	1734511	1724593	1731106	0.33	cps
Cobalt	59-2	2628780	2590322	2612884	2610662	0.74	cps
Copper	63-2	17201269	17218937	17277412	17232539	0.23	cps
Dysprosium	156-1	267	267	263	266	0.72	cps
Dysprosium	156-2	447	417	450	438	4.19	cps
Erbium	164-1	240	237	250	242	2.87	cps
Erbium	164-2	227	190	190	202	10.47	cps
Gadolinium	160-1	183	190	270	214	22.49	cps
Gadolinium	160-2	527	623	430	527	18.35	cps
Holmium	165-1	11414467	11424570	11429889	11422975	0.07	cps
Holmium	165-2	8104348	8197566	8076268	8126061	0.78	cps
Indium	115-1	8177293	8227814	8094709	8166605	0.82	cps
Indium	115-2	3228180	3239398	3260533	3242704	0.51	cps
Iron	56-2	395559861	395402607	395970821	395644430	0.07	cps
Iron	57-2	9833418	9802075	9874897	9836797	0.37	cps
Iron	54-2	21487008	21309214	21310096	21368772	0.48	cps
Krypton	83-1	207	180	173	187	9.45	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV017 Instrumnet Name : P7
Client Sample ID : CCV017 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:16:26 DataFile Name : 048CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19567018	19510242	19768180	19615147	0.69	cps
Lead	207-1	17181175	17148938	17348533	17226215	0.62	cps
Lead	208-1	78647912	78559320	79451509	78886247	0.62	cps
Lithium	6-1	882884	878614	884143	881880	0.33	cps
Magnesium	24-2	75689099	76246449	76858269	76264606	0.77	cps
Manganese	55-2	13994396	13964711	14074583	14011230	0.41	cps
Molybdenum	94-1	15081156	15243351	15205104	15176537	0.56	cps
Molybdenum	95-1	21748481	21914086	21938162	21866909	0.47	cps
Molybdenum	96-1	23951788	24141362	23882283	23991811	0.56	cps
Molybdenum	97-1	13701903	13759066	13465094	13642021	1.14	cps
Molybdenum	98-1	35059342	35411209	35093571	35188041	0.55	cps
Neodymium	150-1	403	413	407	408	1.25	cps
Neodymium	150-2	180	133	143	152	16.14	cps
Nickel	60-2	621100	623154	621512	621922	0.17	cps
Phosphorus	31-2	87532	87511	87042	87362	0.32	cps
Potassium	39-2	49464913	49050666	49707574	49407718	0.67	cps
Rhodium	103-1	7029509	7069477	7032246	7043744	0.32	cps
Rhodium	103-2	4470168	4445219	4490730	4468706	0.51	cps
Scandium	45-1	3825836	3830180	3851201	3835739	0.35	cps
Scandium	45-2	399007	397831	400595	399144	0.35	cps
Selenium	82-1	60245	60556	60317	60373	0.27	cps
Selenium	77-2	7168	7165	7362	7232	1.56	cps
Selenium	78-2	24430	24474	24293	24399	0.39	cps
Silicon	28-1	2588514	2591234	2585875	2588541	0.10	cps
Silver	107-1	5254110	5299841	5360440	5304797	1.01	cps
Silver	109-1	5137865	5147382	5132376	5139208	0.15	cps
Sodium	23-2	119408912	120298735	120372148	120026598	0.45	cps
Strontium	86-1	1334570	1350140	1346309	1343673	0.60	cps
Strontium	88-1	12175865	12142617	12074863	12131115	0.42	cps
Sulfur	34-1	370782	372495	374445	372574	0.49	cps
Terbium	159-1	11612936	11565786	11609011	11595911	0.23	cps
Terbium	159-2	8059614	7996336	7967475	8007808	0.59	cps
Thallium	203-1	4921099	4885138	4973678	4926638	0.90	cps
Thallium	205-1	11530656	11712965	11895147	11712923	1.56	cps
Tin	118-1	3800636	3790539	3781153	3790776	0.26	cps
Titanium	47-1	4651014	4595901	4663000	4636638	0.77	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV017 Instrumnet Name : P7
Client Sample ID : CCV017 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:16:26 DataFile Name : 048CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16598309	16707271	16638234	16647938	0.33	cps
Vanadium	51-2	1533994	1543573	1548903	1542157	0.49	cps
Yttrium	89-1	14030381	13984915	14018041	14011112	0.17	cps
Yttrium	89-2	4172171	4129345	4121309	4140942	0.66	cps
Zinc	66-2	3205776	3156521	3188280	3183526	0.78	cps
Zirconium	90-1	7479009	7488957	7522835	7496934	0.31	cps
Zirconium	91-1	1648446	1669961	1666845	1661751	0.70	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB017 Instrumnet Name : P7
Client Sample ID : CCB017 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:19:12 DataFile Name : 049CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	327	277	310	304	8.36	cps
Antimony	121-1	757	737	637	710	9.05	cps
Arsenic	75-2	20	23	10	18	39.03	cps
Barium	135-1	267	197	223	229	15.43	cps
Barium	137-1	400	393	410	401	2.09	cps
Beryllium	9-1	193	193	170	186	7.26	cps
Bismuth	209-1	7532029	7464577	6986089	7327565	4.06	cps
Bismuth	209-2	5950234	5969277	6038685	5986065	0.78	cps
Bromine	81-1	13123	13356	13420	13299	1.18	cps
Bromine	81-2	93	163	130	129	27.17	cps
Cadmium	108-1	10	13	10	11	17.30	cps
Cadmium	106-1	4097	4091	3761	3983	4.83	cps
Cadmium	111-1	922	869	835	875	5.03	cps
Calcium	43-1	420	413	413	416	0.93	cps
Calcium	44-1	8199	7749	7669	7872	3.63	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	657	647	710	671	5.07	cps
Cobalt	59-2	157	163	187	169	9.33	cps
Copper	63-2	1840	2060	2003	1968	5.81	cps
Dysprosium	156-1	0	0	3	1	173.21	cps
Dysprosium	156-2	0	3	0	1	173.21	cps
Erbium	164-1	57	70	73	67	13.22	cps
Erbium	164-2	37	37	33	36	5.42	cps
Gadolinium	160-1	47	33	27	36	28.64	cps
Gadolinium	160-2	353	397	410	387	7.66	cps
Holmium	165-1	11612512	11558545	10667941	11279666	4.70	cps
Holmium	165-2	8198787	8200674	8144648	8181369	0.39	cps
Indium	115-1	8691113	8700183	8223664	8538320	3.19	cps
Indium	115-2	3526425	3497203	3473677	3499101	0.76	cps
Iron	56-2	21993	21949	21746	21896	0.60	cps
Iron	57-2	1113	1110	1180	1135	3.48	cps
Iron	54-2	2274	2470	2520	2421	5.39	cps
Krypton	83-1	177	113	207	166	28.78	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB017 Instrumnet Name : P7
Client Sample ID : CCB017 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:19:12 DataFile Name : 049CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1913	1730	1637	1760	8.00	cps
Lead	207-1	1640	1410	1500	1517	7.64	cps
Lead	208-1	7711	6834	6531	7025	8.72	cps
Lithium	6-1	908092	905910	853028	889010	3.51	cps
Magnesium	24-2	2084	2250	2090	2141	4.41	cps
Manganese	55-2	617	563	533	571	7.39	cps
Molybdenum	94-1	987	870	883	913	6.99	cps
Molybdenum	95-1	980	927	880	929	5.39	cps
Molybdenum	96-1	1233	923	1113	1090	14.34	cps
Molybdenum	97-1	677	513	503	564	17.24	cps
Molybdenum	98-1	1720	1457	1523	1567	8.74	cps
Neodymium	150-1	7	7	13	9	43.25	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	1277	1223	1280	1260	2.52	cps
Phosphorus	31-2	147	153	173	158	8.80	cps
Potassium	39-2	48654	48009	47628	48097	1.08	cps
Rhodium	103-1	7782400	7734748	7395884	7637678	2.76	cps
Rhodium	103-2	4937970	4916512	4950216	4934900	0.35	cps
Scandium	45-1	3901708	3970110	3689298	3853705	3.80	cps
Scandium	45-2	404598	399928	403198	402575	0.60	cps
Selenium	82-1	249	298	270	272	8.94	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	343	340	423	369	12.79	cps
Silicon	28-1	585267	585835	587837	586313	0.23	cps
Silver	107-1	413	450	370	411	9.74	cps
Silver	109-1	477	377	317	390	20.73	cps
Sodium	23-2	33239	32134	32053	32475	2.04	cps
Strontium	86-1	293	323	287	301	6.49	cps
Strontium	88-1	583	533	523	547	5.88	cps
Sulfur	34-1	119640	118357	118592	118863	0.57	cps
Terbium	159-1	11578311	11795430	10898490	11424077	4.10	cps
Terbium	159-2	8194959	8110105	8083686	8129583	0.72	cps
Thallium	203-1	650	667	680	666	2.26	cps
Thallium	205-1	1633	1517	1403	1518	7.58	cps
Tin	118-1	1310	1153	1220	1228	6.40	cps
Titanium	47-1	247	167	217	210	19.24	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB017 Instrumnet Name : P7
Client Sample ID : CCB017 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:19:12 DataFile Name : 049CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	537	377	340	418	25.03	cps
Vanadium	51-2	63	37	57	52	26.57	cps
Yttrium	89-1	14437312	14178273	13492187	14035924	3.48	cps
Yttrium	89-2	4328295	4256175	4298691	4294387	0.84	cps
Zinc	66-2	640	637	603	627	3.24	cps
Zirconium	90-1	1123	933	957	1004	10.32	cps
Zirconium	91-1	267	190	217	224	17.34	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : Q1087-22 Instrumnet Name : P7
Client Sample ID : MC0AD6 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:22:28 DataFile Name : 050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	226016	227033	227018	226689	0.26	cps
Antimony	121-1	5332424	5408002	5453178	5397868	1.13	cps
Arsenic	75-2	297780	293772	292814	294788	0.89	cps
Barium	135-1	2954209	2958613	2917194	2943338	0.77	cps
Barium	137-1	5006791	5002719	5068017	5025842	0.73	cps
Beryllium	9-1	131722	134939	133783	133481	1.22	cps
Bismuth	209-1	7920194	7633633	7573820	7709216	2.40	cps
Bismuth	209-2	5947445	5946966	5954688	5949700	0.07	cps
Bromine	81-1	13720	13269	13326	13438	1.83	cps
Bromine	81-2	83	97	77	86	11.90	cps
Cadmium	108-1	99585	101146	100998	100576	0.86	cps
Cadmium	106-1	140233	141205	142605	141347	0.84	cps
Cadmium	111-1	1423941	1459129	1455173	1446081	1.33	cps
Calcium	43-1	1150	1230	1067	1149	7.11	cps
Calcium	44-1	15395	15184	15308	15296	0.69	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1066946	1062854	1061498	1063766	0.27	cps
Cobalt	59-2	1313703	1308352	1299163	1307072	0.56	cps
Copper	63-2	3225722	3270189	3214571	3236827	0.91	cps
Dysprosium	156-1	40	63	33	46	34.58	cps
Dysprosium	156-2	133	127	123	128	3.98	cps
Erbium	164-1	67	53	47	56	18.33	cps
Erbium	164-2	40	40	50	43	13.32	cps
Gadolinium	160-1	50	53	23	42	38.95	cps
Gadolinium	160-2	317	367	433	372	15.73	cps
Holmium	165-1	11795002	11682054	11474362	11650473	1.40	cps
Holmium	165-2	8173623	8130713	8322524	8208953	1.23	cps
Indium	115-1	9065305	8820453	8861605	8915788	1.47	cps
Indium	115-2	3511268	3491588	3498338	3500398	0.29	cps
Iron	56-2	6496862	6471945	6454019	6474275	0.33	cps
Iron	57-2	165843	165493	164118	165151	0.55	cps
Iron	54-2	398223	396577	393657	396152	0.58	cps
Krypton	83-1	167	147	120	144	16.21	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : Q1087-22 Instrumnet Name : P7
Client Sample ID : MC0AD6 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:22:28 DataFile Name : 050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	5977575	6084652	6147424	6069884	1.41	cps
Lead	207-1	5027633	5081384	5090849	5066622	0.67	cps
Lead	208-1	23455429	23869117	23731002	23685182	0.89	cps
Lithium	6-1	932120	912068	920660	921616	1.09	cps
Magnesium	24-2	867	820	937	874	6.72	cps
Manganese	55-2	2166501	2158747	2147589	2157612	0.44	cps
Molybdenum	94-1	1127718	1160909	1151100	1146576	1.49	cps
Molybdenum	95-1	2050689	2087938	2088914	2075847	1.05	cps
Molybdenum	96-1	2204460	2247115	2222940	2224838	0.96	cps
Molybdenum	97-1	1245869	1273419	1269570	1262953	1.18	cps
Molybdenum	98-1	3354426	3317860	3280539	3317608	1.11	cps
Neodymium	150-1	180	217	163	187	14.62	cps
Neodymium	150-2	67	37	53	52	28.78	cps
Nickel	60-2	727785	719659	719015	722153	0.68	cps
Phosphorus	31-2	147	133	150	143	6.15	cps
Potassium	39-2	45999	45200	45297	45499	0.96	cps
Rhodium	103-1	8115422	8027960	7911760	8018381	1.27	cps
Rhodium	103-2	5018501	4940321	4990956	4983259	0.80	cps
Scandium	45-1	4092859	4032458	3994242	4039853	1.23	cps
Scandium	45-2	407715	407291	405258	406755	0.32	cps
Selenium	82-1	32994	32969	33394	33119	0.72	cps
Selenium	77-2	3834	3907	3741	3827	2.18	cps
Selenium	78-2	13536	13880	13500	13639	1.54	cps
Silicon	28-1	590404	588560	586859	588608	0.30	cps
Silver	107-1	8209240	8250623	8268274	8242712	0.37	cps
Silver	109-1	7880445	7989403	7984155	7951334	0.77	cps
Sodium	23-2	25515	24900	25104	25173	1.24	cps
Strontium	86-1	160871	162417	164530	162606	1.13	cps
Strontium	88-1	1395986	1420008	1419373	1411789	0.97	cps
Sulfur	34-1	118935	116604	113696	116412	2.25	cps
Terbium	159-1	12087318	11643843	11776859	11836007	1.92	cps
Terbium	159-2	8066524	8142383	8154813	8121240	0.59	cps
Thallium	203-1	7345376	7425107	7364824	7378436	0.56	cps
Thallium	205-1	17619508	17860596	17903596	17794567	0.86	cps
Tin	118-1	1290	1263	1207	1253	3.40	cps
Titanium	47-1	133	127	140	133	5.00	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : Q1087-22 Instrumnet Name : P7
Client Sample ID : MC0AD6 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:22:28 DataFile Name : 050SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	143	100	90	111	25.52	cps
Vanadium	51-2	5150207	5154178	5116083	5140156	0.41	cps
Yttrium	89-1	14919166	14651765	14528326	14699752	1.36	cps
Yttrium	89-2	4332387	4294729	4269265	4298794	0.74	cps
Zinc	66-2	683653	682090	678428	681390	0.39	cps
Zirconium	90-1	2900	2570	1893	2455	20.91	cps
Zirconium	91-1	1117	1023	973	1038	7.01	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : Q1087-22DLX2 Instrumnet Name : P7
Client Sample ID : MC0AD6 Dilution Factor : 2
Date & Time Acquired : 2025-02-04 20:31:53 DataFile Name : 053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	115893	114442	114895	115077	0.64	cps
Antimony	121-1	2691122	2720122	2728921	2713388	0.73	cps
Arsenic	75-2	149200	150413	149810	149808	0.40	cps
Barium	135-1	1387554	1392239	1392474	1390756	0.20	cps
Barium	137-1	2539370	2533806	2499407	2524194	0.86	cps
Beryllium	9-1	66518	66960	67569	67016	0.79	cps
Bismuth	209-1	7434005	7466014	7460290	7453436	0.23	cps
Bismuth	209-2	5983367	5954833	5879515	5939238	0.90	cps
Bromine	81-1	13476	13763	13900	13713	1.58	cps
Bromine	81-2	117	120	107	114	6.06	cps
Cadmium	108-1	51350	50835	51377	51188	0.60	cps
Cadmium	106-1	73515	73696	72382	73197	0.97	cps
Cadmium	111-1	733432	732895	738730	735019	0.44	cps
Calcium	43-1	753	697	793	748	6.50	cps
Calcium	44-1	11598	11718	11431	11582	1.24	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	540344	541271	541469	541028	0.11	cps
Cobalt	59-2	668859	663985	661869	664904	0.54	cps
Copper	63-2	1629096	1640712	1653802	1641204	0.75	cps
Dysprosium	156-1	13	23	23	20	28.87	cps
Dysprosium	156-2	70	60	67	66	7.77	cps
Erbium	164-1	63	57	80	67	18.03	cps
Erbium	164-2	57	23	30	37	48.11	cps
Gadolinium	160-1	47	53	63	54	15.40	cps
Gadolinium	160-2	310	370	393	358	12.02	cps
Holmium	165-1	11400761	11531704	11470874	11467780	0.57	cps
Holmium	165-2	8288916	8125032	8199606	8204518	1.00	cps
Indium	115-1	8877652	8857008	8916121	8883594	0.34	cps
Indium	115-2	3535946	3528487	3515936	3526790	0.29	cps
Iron	56-2	3343011	3325147	3316698	3328286	0.40	cps
Iron	57-2	84687	84804	84609	84700	0.12	cps
Iron	54-2	204829	202611	203090	203510	0.57	cps
Krypton	83-1	190	163	160	171	9.61	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : Q1087-22DLX2 Instrumnet Name : P7
Client Sample ID : MC0AD6 Dilution Factor : 2
Date & Time Acquired : 2025-02-04 20:31:53 DataFile Name : 053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	3050149	3006658	2982970	3013259	1.13	cps
Lead	207-1	2579782	2509598	2490521	2526634	1.86	cps
Lead	208-1	11931453	11730504	11637271	11766409	1.28	cps
Lithium	6-1	893257	895532	902400	897063	0.53	cps
Magnesium	24-2	1090	1057	1127	1091	3.21	cps
Manganese	55-2	1077379	1078695	1076333	1077469	0.11	cps
Molybdenum	94-1	581813	580285	578951	580350	0.25	cps
Molybdenum	95-1	1023211	1032457	1022043	1025904	0.56	cps
Molybdenum	96-1	1092928	1094997	1094757	1094227	0.10	cps
Molybdenum	97-1	640880	644201	641057	642046	0.29	cps
Molybdenum	98-1	1697225	1678015	1680557	1685266	0.62	cps
Neodymium	150-1	127	67	110	101	30.63	cps
Neodymium	150-2	20	20	20	20	0.00	cps
Nickel	60-2	368021	367018	368191	367743	0.17	cps
Phosphorus	31-2	130	120	160	137	15.23	cps
Potassium	39-2	46317	45759	46247	46107	0.66	cps
Rhodium	103-1	7958868	7905619	7936691	7933726	0.34	cps
Rhodium	103-2	5106455	4981394	5022660	5036836	1.27	cps
Scandium	45-1	4028044	4010639	3995602	4011428	0.40	cps
Scandium	45-2	411867	412649	410451	411656	0.27	cps
Selenium	82-1	16785	16791	16778	16785	0.04	cps
Selenium	77-2	2053	1987	1980	2007	2.02	cps
Selenium	78-2	6908	6705	6895	6836	1.66	cps
Silicon	28-1	606172	603178	596366	601905	0.83	cps
Silver	107-1	4183875	4205175	4177740	4188930	0.34	cps
Silver	109-1	4054198	4059446	4007536	4040393	0.71	cps
Sodium	23-2	20237	20617	20217	20357	1.11	cps
Strontium	86-1	83059	82486	82626	82724	0.36	cps
Strontium	88-1	721305	719373	719122	719934	0.17	cps
Sulfur	34-1	111973	112366	111073	111804	0.59	cps
Terbium	159-1	11688363	11819689	11795861	11767971	0.59	cps
Terbium	159-2	8146082	8126310	8175581	8149324	0.30	cps
Thallium	203-1	3689690	3675280	3677113	3680694	0.21	cps
Thallium	205-1	8935086	8746072	8809314	8830157	1.09	cps
Tin	118-1	1327	1217	1273	1272	4.32	cps
Titanium	47-1	127	83	140	117	25.40	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : Q1087-22DLX2 Instrumnet Name : P7
Client Sample ID : MC0AD6 Dilution Factor : 2
Date & Time Acquired : 2025-02-04 20:31:53 DataFile Name : 053SMPL.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	67	77	93	79	17.07	cps
Vanadium	51-2	2614430	2569800	2630356	2604862	1.21	cps
Yttrium	89-1	14634484	14574982	14589100	14599522	0.21	cps
Yttrium	89-2	4392460	4295691	4328768	4338973	1.13	cps
Zinc	66-2	347049	346289	344846	346061	0.32	cps
Zirconium	90-1	767	703	780	750	5.46	cps
Zirconium	91-1	433	470	370	424	11.92	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV018 Instrumnet Name : P7
Client Sample ID : CCV018 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:38:01 DataFile Name : 055CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	8797623	8825403	8820256	8814427	0.17	cps
Antimony	121-1	4527532	4522195	4533125	4527617	0.12	cps
Arsenic	75-2	223047	225439	225494	224660	0.62	cps
Barium	135-1	6035606	6019761	6097643	6051003	0.68	cps
Barium	137-1	10391645	10431000	10551703	10458116	0.80	cps
Beryllium	9-1	439585	445285	446797	443889	0.86	cps
Bismuth	209-1	6847294	6845753	6896285	6863111	0.42	cps
Bismuth	209-2	5442047	5440132	5423670	5435283	0.19	cps
Bromine	81-1	13173	12939	12876	12996	1.20	cps
Bromine	81-2	87	100	97	94	7.35	cps
Cadmium	108-1	77029	78987	78789	78268	1.38	cps
Cadmium	106-1	115253	114385	116849	115496	1.08	cps
Cadmium	111-1	997773	1001352	999310	999479	0.18	cps
Calcium	43-1	4730231	4754532	4737998	4740921	0.26	cps
Calcium	44-1	77133029	77095956	76787801	77005595	0.25	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1765259	1740625	1751756	1752547	0.70	cps
Cobalt	59-2	2636185	2623498	2610514	2623399	0.49	cps
Copper	63-2	17361273	17285357	17381676	17342769	0.29	cps
Dysprosium	156-1	207	230	217	218	5.37	cps
Dysprosium	156-2	443	430	403	426	4.79	cps
Erbium	164-1	220	247	280	249	12.08	cps
Erbium	164-2	170	200	170	180	9.62	cps
Gadolinium	160-1	187	207	163	186	11.69	cps
Gadolinium	160-2	477	513	537	509	5.94	cps
Holmium	165-1	11143124	11452459	11498363	11364649	1.70	cps
Holmium	165-2	8015763	8062353	8062353	8046823	0.33	cps
Indium	115-1	8195651	8175856	8155046	8175518	0.25	cps
Indium	115-2	3266181	3241147	3239681	3249003	0.46	cps
Iron	56-2	396662447	396674261	397951821	397096176	0.19	cps
Iron	57-2	9900857	9892991	9889863	9894570	0.06	cps
Iron	54-2	21525984	21203910	21293226	21341040	0.78	cps
Krypton	83-1	150	197	153	167	15.62	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV018 Instrumnet Name : P7
Client Sample ID : CCV018 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:38:01 DataFile Name : 055CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	19252242	19387206	19484674	19374708	0.60	cps
Lead	207-1	16999566	16794807	17074074	16956149	0.85	cps
Lead	208-1	77506436	77393836	78576491	77825588	0.84	cps
Lithium	6-1	866066	874343	876796	872402	0.64	cps
Magnesium	24-2	76421119	76307387	76156987	76295164	0.17	cps
Manganese	55-2	13968936	13982974	14139756	14030555	0.68	cps
Molybdenum	94-1	14994671	15228006	15144150	15122276	0.78	cps
Molybdenum	95-1	21924739	22024849	21948947	21966178	0.24	cps
Molybdenum	96-1	23929139	23874454	24072825	23958806	0.43	cps
Molybdenum	97-1	13605630	13682504	13784504	13690879	0.66	cps
Molybdenum	98-1	35274034	35162957	35241629	35226207	0.16	cps
Neodymium	150-1	357	437	450	414	12.18	cps
Neodymium	150-2	150	130	147	142	7.53	cps
Nickel	60-2	629652	627879	631095	629542	0.26	cps
Phosphorus	31-2	88363	89312	87951	88542	0.79	cps
Potassium	39-2	49686088	49458029	49168384	49437500	0.52	cps
Rhodium	103-1	7038896	7113988	7221908	7124931	1.29	cps
Rhodium	103-2	4442201	4515065	4485169	4480812	0.82	cps
Scandium	45-1	3856877	3894140	3862230	3871083	0.52	cps
Scandium	45-2	403592	403281	401582	402818	0.27	cps
Selenium	82-1	60606	60720	60694	60673	0.10	cps
Selenium	77-2	7125	7148	7138	7137	0.16	cps
Selenium	78-2	23916	24397	24230	24181	1.01	cps
Silicon	28-1	2583488	2610659	2607473	2600540	0.57	cps
Silver	107-1	5301333	5324843	5318616	5314931	0.23	cps
Silver	109-1	5118165	5077565	5060877	5085536	0.58	cps
Sodium	23-2	118778105	119116618	119376238	119090320	0.25	cps
Strontium	86-1	1338826	1337511	1345783	1340707	0.33	cps
Strontium	88-1	12153336	12122571	12142231	12139380	0.13	cps
Sulfur	34-1	374435	374763	377037	375411	0.38	cps
Terbium	159-1	11569917	11669211	11517680	11585603	0.66	cps
Terbium	159-2	8011301	8029627	7961335	8000754	0.44	cps
Thallium	203-1	4813445	4854383	4938570	4868799	1.31	cps
Thallium	205-1	11483130	11737901	11692449	11637827	1.17	cps
Tin	118-1	3768736	3789790	3803156	3787227	0.46	cps
Titanium	47-1	4645673	4668271	4645234	4653059	0.28	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCV018 Instrumnet Name : P7
Client Sample ID : CCV018 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:38:01 DataFile Name : 055CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	16326395	16371481	16292822	16330233	0.24	cps
Vanadium	51-2	1555791	1561619	1559472	1558961	0.19	cps
Yttrium	89-1	14047172	14113864	13962206	14041081	0.54	cps
Yttrium	89-2	4184560	4158542	4207628	4183577	0.59	cps
Zinc	66-2	3176718	3208081	3164573	3183124	0.71	cps
Zirconium	90-1	7542651	7507873	7479395	7509973	0.42	cps
Zirconium	91-1	1644845	1652423	1658860	1652043	0.42	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB018 Instrumnet Name : P7
Client Sample ID : CCB018 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:40:44 DataFile Name : 056CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	427	263	237	309	33.31	cps
Antimony	121-1	593	480	500	524	11.53	cps
Arsenic	75-2	17	0	10	9	94.38	cps
Barium	135-1	63	117	73	84	33.58	cps
Barium	137-1	127	110	140	126	11.97	cps
Beryllium	9-1	200	170	180	183	8.33	cps
Bismuth	209-1	7441705	7512799	7375003	7443169	0.93	cps
Bismuth	209-2	5975749	5915998	5959766	5950505	0.52	cps
Bromine	81-1	13413	13997	13500	13636	2.31	cps
Bromine	81-2	103	113	123	113	8.83	cps
Cadmium	108-1	17	0	10	9	94.38	cps
Cadmium	106-1	4481	4374	4337	4397	1.69	cps
Cadmium	111-1	984	975	920	960	3.59	cps
Calcium	43-1	263	263	250	259	2.97	cps
Calcium	44-1	6188	6081	5898	6056	2.42	cps
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	607	597	603	602	0.85	cps
Cobalt	59-2	130	157	183	157	17.02	cps
Copper	63-2	1610	1643	1483	1579	5.35	cps
Dysprosium	156-1	3	10	7	7	50.03	cps
Dysprosium	156-2	3	0	0	1	173.21	cps
Erbium	164-1	70	53	63	62	13.48	cps
Erbium	164-2	53	20	37	37	45.45	cps
Gadolinium	160-1	43	43	60	49	19.69	cps
Gadolinium	160-2	347	410	450	402	12.95	cps
Holmium	165-1	11421654	11290958	11471370	11394660	0.82	cps
Holmium	165-2	8168801	8216553	8132371	8172575	0.52	cps
Indium	115-1	8835686	8727688	8844752	8802709	0.74	cps
Indium	115-2	3512326	3520463	3465502	3499430	0.85	cps
Iron	56-2	17033	16055	15425	16171	5.01	cps
Iron	57-2	1033	980	1017	1010	2.70	cps
Iron	54-2	2060	1887	1897	1948	5.00	cps
Krypton	83-1	143	153	133	143	6.98	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB018 Instrumnet Name : P7
Client Sample ID : CCB018 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:40:44 DataFile Name : 056CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	206-1	1303	1317	1297	1306	0.78	cps
Lead	207-1	1270	1107	1017	1131	11.35	cps
Lead	208-1	5591	5224	4877	5230	6.82	cps
Lithium	6-1	904089	899730	903419	902413	0.26	cps
Magnesium	24-2	1030	993	800	941	13.13	cps
Manganese	55-2	280	350	253	294	16.96	cps
Molybdenum	94-1	677	583	540	600	11.64	cps
Molybdenum	95-1	563	463	470	499	11.21	cps
Molybdenum	96-1	597	570	597	588	2.62	cps
Molybdenum	97-1	323	300	313	312	3.75	cps
Molybdenum	98-1	823	680	737	747	9.67	cps
Neodymium	150-1	3	0	10	4	114.60	cps
Neodymium	150-2	3	0	3	2	86.60	cps
Nickel	60-2	1327	1407	1283	1339	4.67	cps
Phosphorus	31-2	133	173	103	137	25.70	cps
Potassium	39-2	48259	47771	47999	48010	0.51	cps
Rhodium	103-1	7769084	7878091	7871827	7839667	0.78	cps
Rhodium	103-2	5007957	5044275	4945128	4999120	1.00	cps
Scandium	45-1	3977776	3957708	3941900	3959128	0.45	cps
Scandium	45-2	408618	406227	405511	406785	0.40	cps
Selenium	82-1	260	258	258	259	0.55	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	347	357	363	356	2.36	cps
Silicon	28-1	587627	591169	579023	585940	1.07	cps
Silver	107-1	360	333	283	326	11.96	cps
Silver	109-1	413	323	310	349	16.11	cps
Sodium	23-2	30487	29234	28967	29563	2.74	cps
Strontium	86-1	267	240	233	247	7.15	cps
Strontium	88-1	263	223	233	240	8.67	cps
Sulfur	34-1	121058	121979	121357	121465	0.39	cps
Terbium	159-1	11682599	11718613	11652818	11684676	0.28	cps
Terbium	159-2	8179712	8065623	8130572	8125302	0.70	cps
Thallium	203-1	640	717	607	654	8.62	cps
Thallium	205-1	1640	1523	1470	1545	5.63	cps
Tin	118-1	1217	1180	1177	1191	1.86	cps
Titanium	47-1	103	130	70	101	29.73	cps

LB Number : LB134593 Operator : Jaswal
Lab Sample ID : CCB018 Instrumnet Name : P7
Client Sample ID : CCB018 Dilution Factor : 1
Date & Time Acquired : 2025-02-04 20:40:44 DataFile Name : 056CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Uranium	238-1	220	173	147	180	20.62	cps
Vanadium	51-2	30	37	20	29	29.04	cps
Yttrium	89-1	14471970	14487506	14427677	14462384	0.21	cps
Yttrium	89-2	4309466	4299310	4301201	4303326	0.13	cps
Zinc	66-2	550	613	587	583	5.45	cps
Zirconium	90-1	973	807	840	873	10.10	cps
Zirconium	91-1	177	190	167	178	6.58	cps

Prep Standard - Chemical Standard Summary

Order ID : Q1087

Test : Metals CLP MS

Prepbatch ID : PB166136,

Sequence ID/Qc Batch ID: LB134565, LB134593,

Standard ID :

MP83499, MP84041, MP84042, MP84043, MP84044, MP84045, MP84046, MP84047, MP84048, MP84049, MP84050, MP84051, MP84052, MP84053, MP84054, MP84055, MP84056, MP84057, MP84073, MP84074, MP84099,

Chemical ID :

M5288, M5289, M5295, M5298, M5304, M5472, M5476, M5496, M5497, M5498, M5513, M5516, M5519, M5658, M5697, M5739, M5751, M5768, M5798, M5799, M5800, M5801, M5802, M5806, M5815, M5816, M5817, M5819, M5820, M5873, M5874, M5961, M5962, M5976, M5978, M5981, M5983, M5993, M5999, M6021, M6023, M6025, M6028, M6030, M6032, M6055, M6121, M6126, M6127, M6128, W3112,

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
170	1:1HCL	MP83499	12/09/2024	01/30/2025	Eman Mughal	None	None	Sarabjit Jaswal
								12/09/2024

FROM 1250.00000ml of M6121 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
169	1:1HNO3	MP84041	01/14/2025	07/14/2025	Eman Mughal	None	None	Sarabjit Jaswal
								01/16/2025

FROM 1250.00000ml of M6126 + 1250.00000ml of W3112 = Final Quantity: 2500.000 ml

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP84042	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIP ETTE_3 (A)	Mohan Bera 01/16/2025

FROM 25.00000ml of M6121 + 4925.00000ml of W3112 + 50.00000ml of M6126 = Final Quantity: 5000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3947	S7(SFAM,6020,200.8)	MP84043	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIP ETTE_3 (A)	Mohan Bera 01/16/2025

FROM 1.00000ml of M5476 + 1.00000ml of M5799 + 1.00000ml of M5981 + 1.00000ml of M5983 + 1.90000ml of M5496 + 10.00000ml of M5976 + 10.00000ml of M5978 + 10.00000ml of M6126 + 2.00000ml of M5815 + 2.00000ml of M5817 + 4.00000ml of M6025 + 4.00000ml of M6032 + 4.90000ml of M5298 + 4.90000ml of M5519 + 5.00000ml of M6121 + 50.00000ml of M5304 + 830.60000ml of W3112 + 9.00000ml of M5751 + 9.00000ml of M5819 + 9.00000ml of M6128 + 9.90000ml of M5497 + 9.90000ml of M5806 + 9.90000ml of M6127 = Final Quantity: 1000.000 ml

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3948	S6(SFAM,6020,200.8)	MP84044	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 48.50000ml of W3112 + 50.00000ml of MP84043 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3949	S5(SFAM,6020,200.8)	MP84045	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 73.50000ml of W3112 + 25.00000ml of MP84043 = Final Quantity: 100.000 ml

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3954	S4(SFAM,6020,200.8)	MP84046	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 86.00000ml of W3112 + 12.50000ml of MP84043 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3951	S3(SFAM, 6020,200.8)	MP84047	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 88.50000ml of W3112 + 10.00000ml of MP84044 = Final Quantity: 100.000 ml

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3955	S2CONC(SFAM,6020,200.8)	MP84048	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.05000ml of M5476 + 0.05000ml of M5798 + 0.05000ml of M5800 + 0.05000ml of M5801 + 0.05000ml of M5961 + 0.05000ml of M5981 + 0.05000ml of M5983 + 0.05000ml of M6023 + 0.05000ml of M6025 + 0.05000ml of M6028 + 0.05000ml of M6030 + 0.05000ml of M6128 + 0.10000ml of M5496 + 0.10000ml of M5658 + 0.10000ml of M5751 + 0.10000ml of M5802 + 0.25000ml of M5298 + 0.25000ml of M5799 + 0.25000ml of M5819 + 0.25000ml of M5962 + 0.25000ml of M5976 + 0.25000ml of M5978 + 0.25000ml of M6021 + 0.50000ml of M6032 + 2.00000ml of M5815 + 2.00000ml of M5817 + 2.50000ml of M5498 + 2.50000ml of M5519 + 2.50000ml of M5806 + 2.50000ml of M6121 + 2.50000ml of M6127 + 225.25000ml of W3112 + 5.00000ml of M6126
= Final Quantity: 250.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3956	S2(SFAM,6020,200.8)	MP84049	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 98.00000ml of W3112 + 0.50000ml of MP84048 = Final Quantity: 100.000 ml

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3957	S1(SFAM,6020,200.8)	MP84050	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.50000ml of M6121 + 1.00000ml of M6126 + 88.50000ml of W3112 + 10.00000ml of MP84049 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3958	ICV(SFAM)	MP84051	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 2.00000ml of M5295 + 98.00000ml of MP84042 = Final Quantity: 100.000 ml

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3961	CCV	MP84052	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.20000ml of M5513 + 0.50000ml of M5476 + 0.50000ml of M5799 + 0.50000ml of M5981 + 0.50000ml of M5983 + 1.00000ml of M5815 + 1.00000ml of M5817 + 10.00000ml of M6126 + 12.45000ml of M5298 + 12.45000ml of M5519 + 2.00000ml of M6032 + 24.95000ml of M5498 + 24.95000ml of M5806 + 24.95000ml of M6127 + 25.00000ml of M5304 + 4.50000ml of M5751 + 4.50000ml of M5819 + 4.50000ml of M6128 + 4.95000ml of M5496 + 5.00000ml of M5976 + 5.00000ml of M6121 + 830.60000ml of W3112 = Final Quantity: 1000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1142	ICSA ICPMS	MP84053	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 10.00000ml of M5873 + 90.00000ml of MP84042 = Final Quantity: 100.000 ml

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1143	ICSAB ICPMS	MP84054	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 10.00000ml of M5873 + 10.00000ml of M5874 + 80.00000ml of MP84042 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3962	MG 10PPM FOR TUNE	MP84055	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 0.01000ml of M6127 + 9.99000ml of MP84042 = Final Quantity: 100.000 ml

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3894	TUNE 200PPB	MP84056	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 2.00000ml of M6055 + 2.00000ml of MP84055 + 96.00000ml of MP84042 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3903	ISS 3PPM	MP84057	01/14/2025	02/07/2025	Sarabjit Jaswal	None	METALS_PIPETTE_3 (A)	Mohan Bera 01/16/2025

FROM 5.00000ml of M6126 + 75.00000ml of M5739 + 170.00000ml of MP84042 = Final Quantity: 250.000 ml

Metals STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2902	S8 ICPMS	MP84073	01/14/2025	02/07/2025	Janvi Patel	None	None	Mohan Bera
								01/16/2025

FROM 1.00000ml of M5496 + 2.50000ml of M5288 + 2.50000ml of M5298 + 5.00000ml of M5497 + 5.00000ml of M5806 + 5.00000ml of M6127 + 79.00000ml of MP84042 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
870	ICPMS SPIKE SOL.B	MP84074	01/16/2025	02/07/2025	Janvi Patel	None	METALS_PIPETTE_3 (A)	Sarabjit Jaswal
								01/17/2025

FROM 0.45000ml of M5962 + 5.00000ml of M5993 + 5.00000ml of M5999 + 39.55000ml of MP84042 = Final Quantity: 50.000 ml

[illegible]

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58119 / K, 10000 PPM, 500 ml	071122	07/11/2025	09/01/2022 / jaswal	07/21/2022 / jaswal	M5288

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Aluminum (Al) 10,000PPM	070622	07/06/2025	09/02/2022 / jaswal	07/12/2022 / jaswal	M5289

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	ICV-1 / ICV (ICP/ICPMS) STOCK SOLN	ICV-1014	02/05/2025	08/07/2024 / jaswal	04/20/2021 / bin	M5295

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58126 / Fe, 10000 PPM, 500 ml	020422	02/04/2025	05/02/2023 / jaswal	06/15/2022 / jaswal	M5298

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020CAL-1 / Calibration Standard Method 6020	S2-MEB711244	10/20/2026	08/07/2024 / jaswal	04/01/2022 / jaswal	M5304

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57038 / Sr, 1000 PPM, 125 ml	082922	08/29/2025	01/14/2025 / Jaswal	03/16/2023 / jaswal	M5472

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57138 / Sr, 10000 PPM, 125 ml	082922	08/29/2025	07/29/2024 / jaswal	03/16/2023 / jaswal	M5476

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Al, 10000 PPM, 500 ml	011623	01/16/2026	08/15/2023 / jaswal	03/17/2023 / bin	M5496

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Ca, 10000 PPM, 500 ml	031523	03/15/2026	03/18/2023 / bin	03/17/2023 / bin	M5497

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58120 / Ca, 10000 PPM, 500 ml	031523	03/15/2026	08/15/2023 / jaswal	03/17/2023 / bin	M5498

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57182 / Pb, 10000 PPM, 125 ml	061522	06/15/2025	03/19/2023 / bin	03/17/2023 / bin	M5513

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58111 / Na, 10000 PPM, 500 ml	022123	11/06/2025	11/06/2024 / kareem	03/17/2023 / bin	M5516

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57119 / Potassium (K) 10,000PPM	120822	12/08/2025	01/08/2024 / bin	03/17/2023 / bin	M5519

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58024 / Chromium, Cr, 500 ml, 1000 PPM	060523	06/05/2026	08/28/2023 / jaswal	08/25/2023 / jaswal	M5658

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	102523	10/25/2026	04/03/2024 / jaswal	10/27/2023 / jaswal	M5697

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020ISS / 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y	T2-MEB709511	09/03/2026	08/07/2024 / jaswal	04/11/2022 / jaswal	M5739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58029 / Cu, 1000 PPM, 500 ml	071723	07/17/2026	10/01/2024 / Jaswal	08/25/2023 / jaswal	M5751

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	091823	09/18/2026	01/08/2024 / bin	01/03/2024 / bin	M5768

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57004 / Be, 1000 PPM, 125 ml	102523	10/25/2026	02/09/2024 / bin	02/09/2024 / bin	M5798

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57050 / Sn, 1000 PPM, 125 ml	071123	07/11/2026	02/09/2024 / bin	02/09/2024 / bin	M5799

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57027 / CO, 1000 PPM, 125 ml	091923	09/19/2026	05/31/2024 / bin	02/09/2024 / bin	M5800

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57033 / As, 1000 PPM, 125 ml	111323	11/13/2026	02/09/2024 / bin	02/09/2024 / bin	M5801

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57051 / Sb, 1000 PPM, 125 ml	120523	12/05/2026	08/07/2024 / jaswal	01/03/2024 / jaswal	M5802

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58111 / Na, 10000 PPM, 500 ml	122223	12/22/2026	08/01/2024 / Jaswal	01/03/2024 / jaswal	M5806

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57115 / P, 10000 PPM, 125 ml	041723	04/17/2026	05/21/2024 / Jaswal	02/09/2024 / jaswal	M5815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57016 / S, 1000 PPM, 125 ml	122923	12/29/2026	05/20/2024 / Jaswal	02/09/2024 / jaswal	M5816

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57116 / S, 10000 PPM, 125 ml	071123	07/11/2026	03/01/2024 / jaswal	02/09/2024 / jaswal	M5817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58030 / Zinc, Zn, 500 ml, 1000 PPM	111623	11/16/2026	03/20/2024 / jaswal	02/09/2024 / jaswal	M5819

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57015 / P, 1000 PPM, 125 ml	091123	09/11/2026	05/01/2024 / jaswal	02/09/2024 / jaswal	M5820

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A / ICSA (ICPMS) STOCK SOLN	CP-MS ICSA-0803	04/30/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5873

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART B / ICSB (ICPMS) STOCK SOLUTION	CP-MS ICSB-0803	04/30/2025	04/17/2024 / jaswal	07/14/2022 / jaswal	M5874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57028 / Ni, 1000 PPM, 125 ml	041124	04/11/2027	07/02/2024 / Jaswal	06/11/2024 / Jaswal	M5961

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57034 / Se, 1000 PPM, 125 ml	060624	06/06/2027	07/02/2024 / Jaswal	06/14/2024 / Jaswal	M5962

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMO1-1 / MOLYBDENUM 125mL 1000ug/mL	T2-MO720876	07/17/2027	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGT11-1 / TITANIUM 125mL 1000ug/mL	T2-TI719972	06/17/2027	08/07/2024 / jaswal	02/22/2024 / Jaswal	M5978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57092 / U, 1000 PPM, 125 ml	060724	06/07/2027	07/29/2024 / Jaswal	06/11/2024 / Jaswal	M5981

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57040 / Zr, 1000 PPM, 125 ml	071423	07/14/2026	07/29/2024 / Jaswal	06/11/2024 / Jaswal	M5983

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-4 / SOIL/WATER SPIKE SOLN 4, 125mL	V2-MEB742036	03/12/2029	10/04/2024 / Jaswal	02/22/2024 / Jaswal	M5993

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-1 / SOIL/WATER SPIKE SOLN 1, 125mL	T2-MEB721963	07/27/2027	09/04/2024 / Jaswal	02/22/2024 / kareem	M5999

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57023 / V, 1000 PPM, 125 ml	062424	06/24/2027	09/28/2024 / jaswal	08/05/2024 / Jaswal	M6021

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57081 / TI, 1000 PPM, 125 ml	0624724	06/27/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6023

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57082 / Pb, 1000 PPM, 125 ml	061224	11/09/2026	08/05/2024 / Jaswal	08/05/2024 / Jaswal	M6025

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57048 / Cd, 1000 PPM, 125 ml	070124	07/01/2027	08/05/2024 / kareem	08/05/2024 / Jaswal	M6028

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57047 / Ag, 1000 PPM, 125 ml	122823	12/28/2026	08/05/2024 / kareem	08/05/2024 / Jaswal	M6030

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57056 / Ba, 1000 PPM, 125 ml	010924	01/09/2027	01/14/2025 / Jaswal	08/05/2024 / Jaswal	M6032

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	IV-STOCK-12 / ICP-MS TUNING SOLUTION, 125mL	U2-MEB734294	06/21/2028	08/21/2024 / Jaswal	08/19/2024 / Jaswal	M6055

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	0000275677	05/13/2025	11/13/2024 / Eman	10/13/2024 / Eman	M6121

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24D1062002	06/03/2025	12/03/2024 / Janvi	11/12/2024 / Janvi	M6126

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58112 / Mg, 10000 PPM, 500 ml	112124	11/21/2027	01/13/2025 / kareem	01/13/2025 / kareem	M6127

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58025 / Mn, 1000 PPM, 500 ml	101124	10/11/2027	01/13/2025 / kareem	01/13/2025 / kareem	M6128

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112



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300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

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info@inorganicventures.com

R: 02/22/24 M5991 M5992 M5993 M5994 M5995

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).



2.0 PRODUCT DESCRIPTION

Product Code: Multi Analyte Custom Grade Solution
Catalog Number: CLPP-SPK-4
Lot Number: V2-MEB742036
Matrix: 3% (v/v) HNO₃
Value / Analyte(s):
100 µg/mL ea:
Antimony,
50 µg/mL ea:
Cadmium, Thallium,
40 µg/mL ea:
Arsenic,
20 µg/mL ea:
Lead,
10 µg/mL ea:
Selenium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	100.0 ± 0.7 µg/mL	Arsenic, As	40.00 ± 0.26 µg/mL
Cadmium, Cd	50.00 ± 0.22 µg/mL	Lead, Pb	20.00 ± 0.09 µg/mL
Selenium, Se	10.00 ± 0.04 µg/mL	Thallium, Tl	50.00 ± 0.22 µg/mL

Density: 1.016 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
As	ICP Assay	3103a	100818
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
Sb	ICP Assay	3102a	140911
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{\text{CRM/RM}}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{\text{CRM/RM}} = \sum (w_i) (X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{\text{char } i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$$w_i = (1/u_{\text{char } i}^2) / (\sum (1/u_{\text{char } i}^2))$$

$$\text{CRM/RM Expanded Uncertainty (k)} = U_{\text{CRM/RM}} = k (u_{\text{char}}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char}} = [\sum (w_i)^2 (u_{\text{char } i}^2)]^{1/2}$ where $u_{\text{char } i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{Its} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{\text{CRM/RM}}$, where one method of characterization is used is the mean of individual results:

$$X_{\text{CRM/RM}} = (X_a) (u_{\text{char } a})$$

X_a = mean of Assay Method A with

$u_{\text{char } a}$ = the standard uncertainty of characterization Method A

$$\text{CRM/RM Expanded Uncertainty (k)} = U_{\text{CRM/RM}} = k (u_{\text{char } a}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char } a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{Its} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, <https://www.inorganicventures.com/terms-and-conditions-sale>. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.
- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.
- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; Info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 12, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **March 12, 2029**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



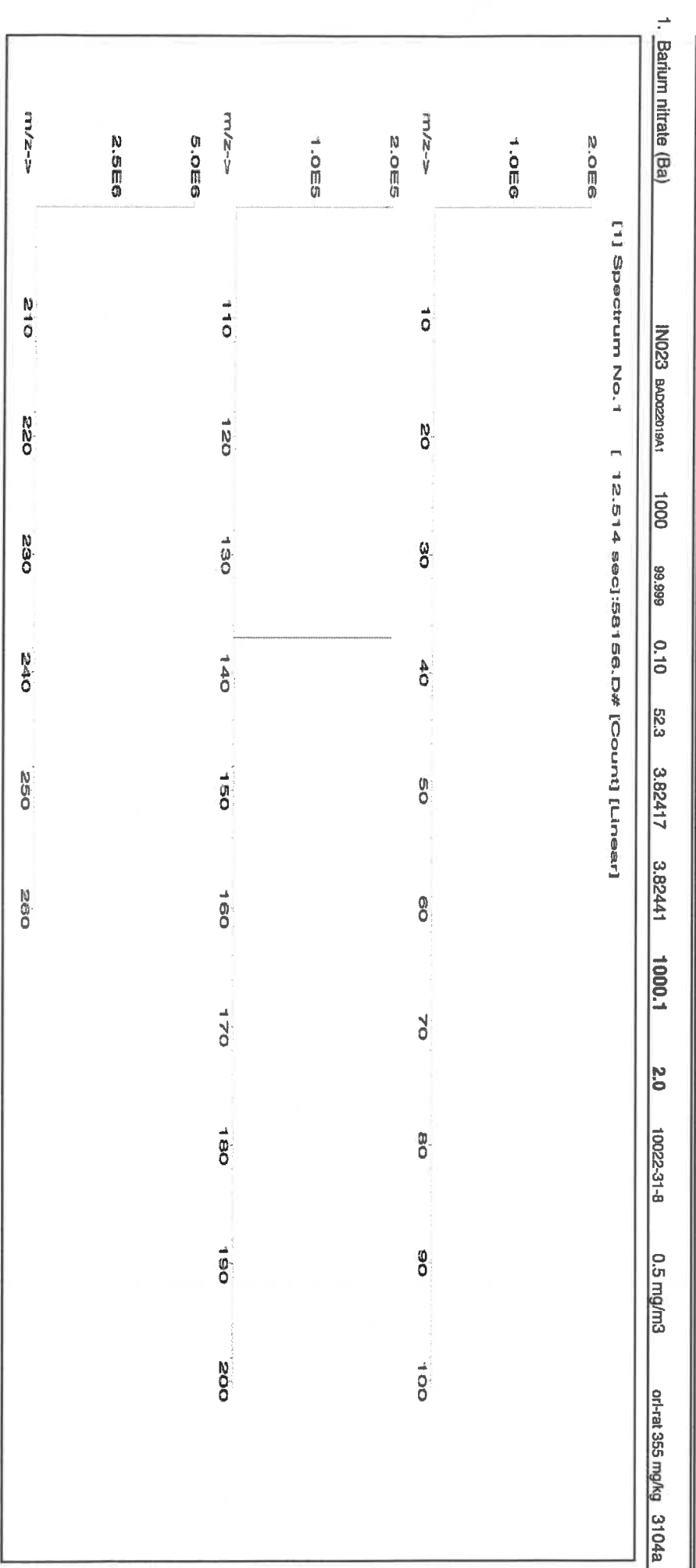


CERTIFIED WEIGHT REPORT:

Part Number:	57056	Lot #	
Lot Number:	010924	Solvent:	Nitric Acid
Description:	Barium (Ba)		
Expiration Date:	010927	2%	40.0 (mL)
Recommended Storage:	Ambient (20 °C)		Nitric Acid
Nominal Concentration (µg/mL):	1000		
NIST Test Number:	6UTB	5E-05	Balance Uncertainty
Weight shown below was diluted to (mL):	2000.02	0.058	Flask Uncertainty

Formulated By:	Giovanni Esposito	010924
Reviewed By:	Pedro L. Renteria	010924

SDS Information									
Compound	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)
1. Barium nitrate (Ba)	IN023	BA0022019A1	1000	99.999	0.10	52.3	3.82417	3.82441	1000.1





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	T	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

Part Number:
Lot Number:
Description:

57048
070124
Cadmium (Cd)

Lot #
Solvent: 24002546 Nitric Acid

2% 40.0 Nitric Acid (mL)

Expiration Date: 070127

Recommended Storage: Ambient (20 °C)

Nominal Concentration (µg/mL): 1000

NIST Test Number: 6UTB

SE-05 Balance Uncertainty

Weight shown below was diluted to (mL): 2000.07 0.100 Flask Uncertainty

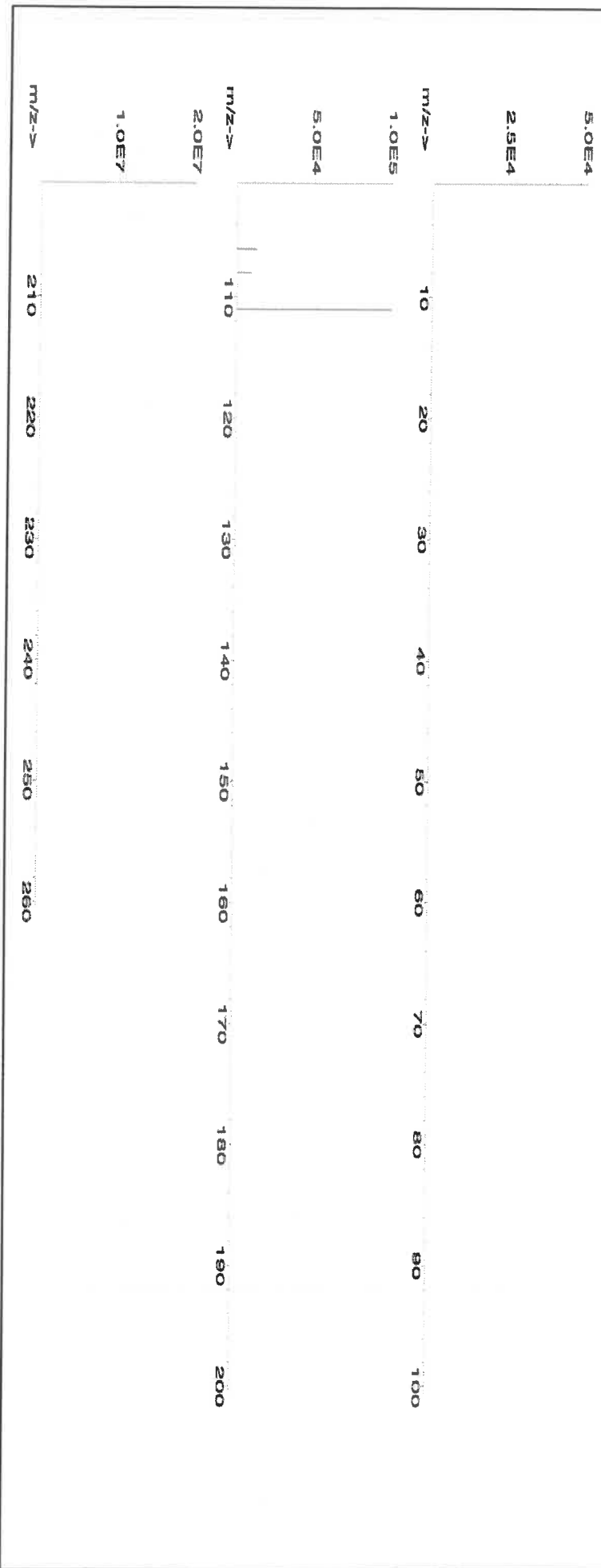
<i>Aleah O'Brady</i>	
Formulated By:	Aleah O'Brady
	070124
<i>Pedro L. Rentas</i>	
Reviewed By:	Pedro L. Rentas
	070124

Compound

Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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1. Cadmium nitrate tetrahydrate (Cd) IN024 CDM09221A1 1000 99.999 0.10 36.5 5.4797 5.4804 1000.1 2.0 10022-68-1 0.01 mg/m3 orl-rat 60.2mg/kg 3108

[1] Spectrum No.1 [12.514 sec]:\$8148.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.2	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Ba	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Cd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pr	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT:

Part Number: **57182**
Lot Number: **110923**
Description: **Lead (Pb)**

Solvent: **24002546 Nitric Acid**
Lot #: **M6025**

Expiration Date: **110926**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **10000**
NIST Test Number: **6UTB**

Weight shown below was diluted to (mL): **2000.02**
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawrence Barry
Reviewed By:	Pedro L. Rentas
	110923

Compound

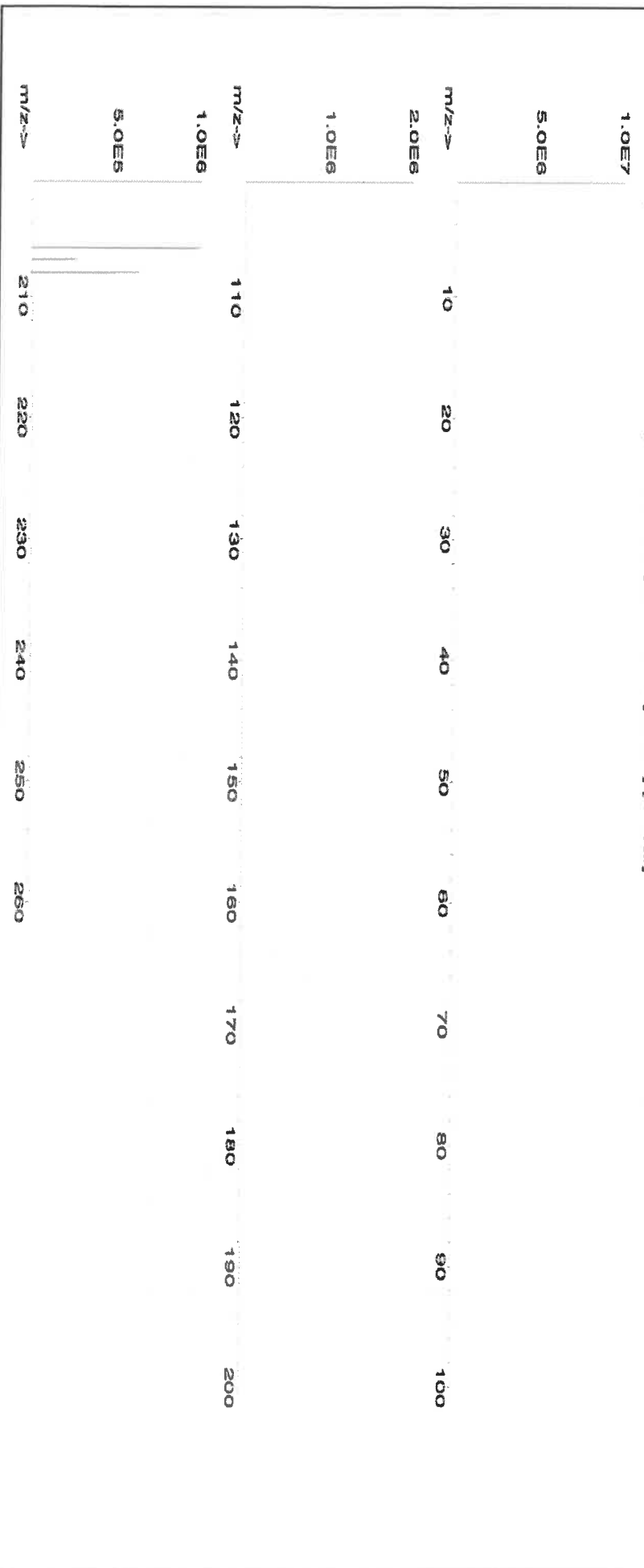
1. Lead(II) nitrate (Pb)

IN029 PED12016A1 10000 99.999 0.10 62.5 32.0006 32.0040 10001.1 20.0 10099-74-8 0.05 mg/m3 Inverse rat 83 mg/kg 3128

SDS Information

Expanded Uncertainty (Solvent Safety Info. On Attached pg.) CAS# OSHA PEL (TWA) LD50 SRM

[1] Spectrum No.1 [17.284 sec]:58182.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS ($\mu\text{g/mL}$)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	T	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

Physical Characterization:

(T)= Target analyte

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



Certified Reference Material CRM



ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58119
Lot Number: 071122
Description: Potassium (K)

Solvent: 20510011 Nitric Acid

Lot #

Expiration Date: 071125
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

2% 40.0 (mL) Nitric Acid

Weight shown below was diluted to (mL): 2000.02
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

<i>Lawrence Barry</i>	
Formulated By:	Lawrence Barry
	071122
<i>Pedro L. Rentas</i>	
Reviewed By:	Pedro L. Rentas
	071122

Compound

Lot
Number

Nominal
Conc. (µg/mL)

Purity
(%)

Uncertainty
Purity (%)

Assay
(%)

Target
Weight (g)

Actual
Weight (g)

Actual
Conc. (µg/mL)

Expanded
Uncertainty
+/- (µg/mL)

CAS#

OSHA PEL (TWA)

LD50

NIST
SRM

SDS Information

(Solvent Safety Info. On Attached pg.)

1. Potassium nitrate (K)

IN034 KD022021A1

10000

99.999

0.10

37.6

53.1925

53.1934

10000.2

20.0

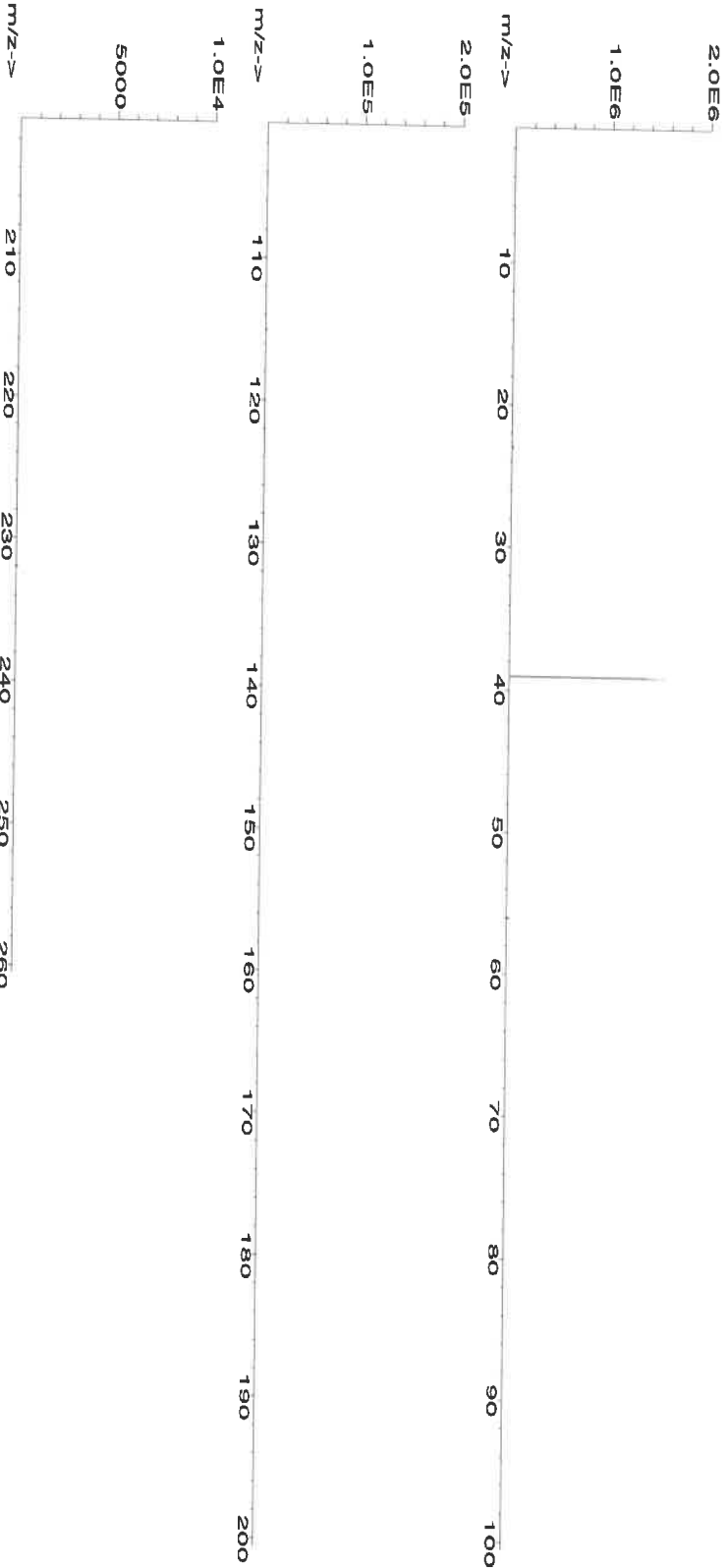
7757-79-1

5 mg/m3

oral rat 3015 mg/kg

3141a

[1] Spectrum No. 1 [35.763 sec]:58119.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Bu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	T	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

Physical Characterization:

(T) = Target analyte

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



M5289 R: 07/12/22
Certified Reference Material CRM

34



ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT:

Part Number: 58113
Lot Number: 070622
Description: Aluminum (Al)

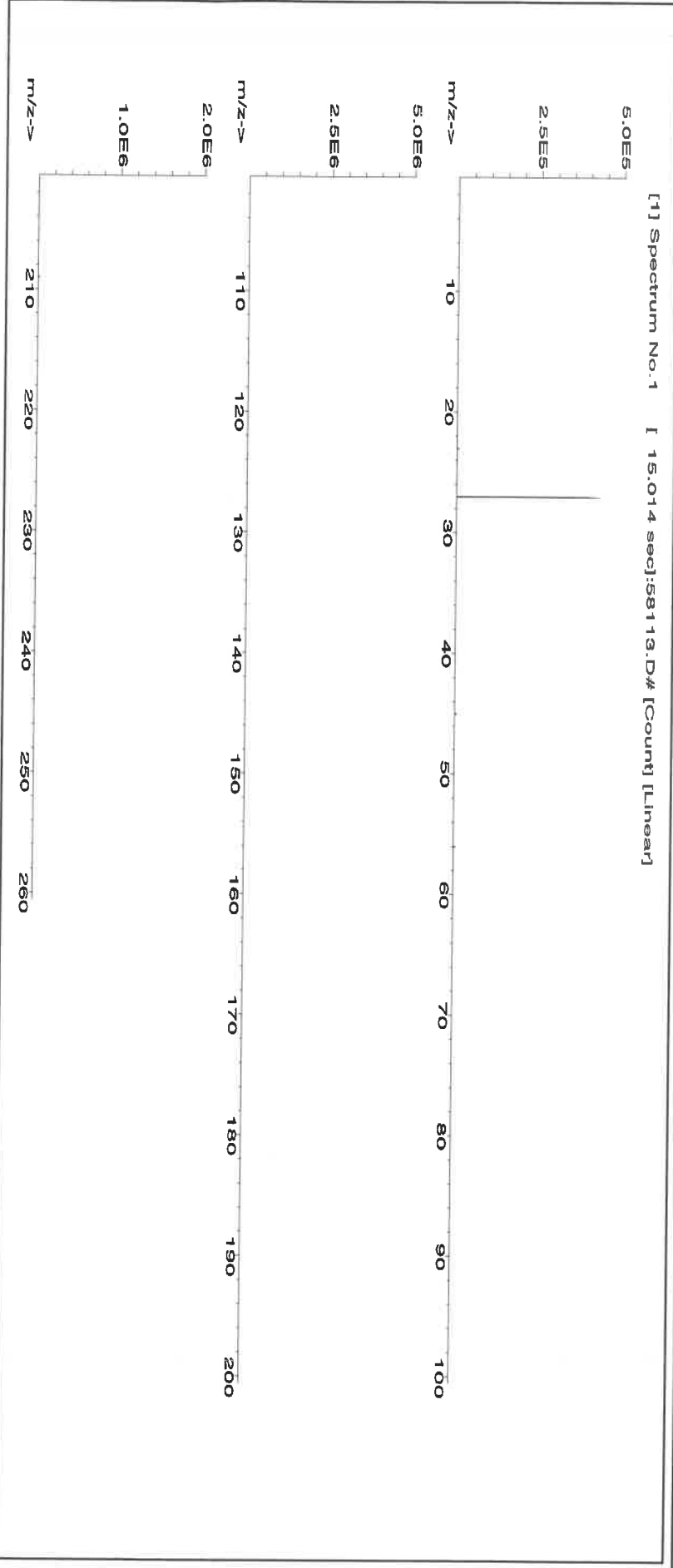
Lot #
Solvent: 20370011 Nitric Acid

Expiration Date: 070625
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 2000.02
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawrence Barry
070622	
Reviewed By:	Pedro L. Renteria
070622	

SDS Information													
Compound		Lot		Nominal		Purity		Uncertainty		Assay		Expanded	
RM#	Number	Conc. (µg/mL)	(%)	Purity (%)	(%)	Target	Actual	Actual	Uncertainty	CAS#	(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
						Weight (g)	Weight (g)	Conc. (µg/mL)	+/- (µg/mL)				SRM
													NIST

1. Aluminum nitrate nonahydrate (Al) IN022 ALD012021A1 10000 99.999 0.10 7.10 281.6956 281.6977 10000.1 20.0 7784-27-2 2 mg/m3 or-tal 3671 mg/kg 3101a





Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	T	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Ru	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Sr	<0.02	S	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	Ta	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ti	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



R: 4/20/21

Instructions for QATS Reference Material: *Inorganic ICV Solutions*

QATS LABORATORY INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICV1, ICV5, AND ICV6)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Metals in Dilute Acidic or
Cyanide in Basic Aqueous Solutions
HAZARDOUS MATERIAL

Safety Data Sheets
Available Upon Request

M5291
M5292
M5293
M5294
M5295

(A) SAMPLE DESCRIPTION

Enclosed is a set of one (1) or more Aqueous Inorganic Reference Materials containing various analyte concentrations. ICV1 and ICV5 are in a matrix of dilute nitric acid. ICV6 is in a matrix of dilute basic solution. **For the reference material source in reporting ICVs use "USEPA". For the reference material lot number for the ICV1, ICV5, and ICV6 solutions use "ICV1-1014", "ICV5-0415", and "ICV6-0400", respectively.**

(B) BREAKAGE OR MISSING ITEMS

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) ANALYSIS OF SAMPLES

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP, AA, and Cyanide colorimetric instruments, and are to be used with the CLP SOWs and revisions. The values for each element in the ICVs are listed below in µg/L (ppb) for the resulting solution(s) after the dilution of the concentrate(s) according to the following instructions. Use Class 'A' glassware to prepare the solution(s).

ICV1-1014 For ICP-AES analysis, use a 10-fold dilution by pipetting 10 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.





QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
"An ISO 9001:2015 Certified Program"

Instructions for QATS Reference Material: *Inorganic ICV Solutions*

- ICV1-1014** For ICP-MS analysis, use a 50-fold dilution by pipetting 2 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.
- ICV5-0415** For the cold vapor analysis of mercury by AA, use a 100-fold dilution by pipetting 1 mL of the ICV5 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.
- ICV6-0400** For the analysis of cyanide, use a 100-fold dilution by pipetting 1 mL of the ICV6 concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

(D) CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS

ICV1-1014		
Element	Concentration (µg/L) (after 10-fold dilution)	Concentration (µg/L) (after 50-fold dilution)
Al	2500	500
Sb	1000	200
As	1000	200
Ba	520	100
Be	510	100
Cd	510	100
Ca	10000	2000
Cr	520	100
Co	520	100
Cu	510	100
Fe	10000	2000
Pb	1000	200
Mg	6000	1200
Mn	520	100
Ni	530	110
K	9900	2000
Se	1000	200
Ag	250	50
Na	10000	2000
Tl	1000	210
V	500	100
Zn	1000	200

ICV5-0415		ICV6-0400	
Element	Concentration (µg/L) (after 100-fold dilution)	Analyte	Concentration (µg/L) (after 100-fold dilution)
Hg	4.0	CN ⁻	99



Certified Reference Material CRM

CERTIFIED WEIGHT REPORT:

Part Number:
Lot Number:
Description:

58126
020422
Iron (Fe)

Lot #

Solvent: 20370011 Nitric Acid

Expiration Date:
Recommended Storage:
Nominal Concentration ($\mu\text{g/mL}$):
NIST Test Number:

020425
Ambient (20 °C)
10000
6UTB
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Weight shown below was diluted to (mL): 3000.41

15298
5.0%
150.0
(mL)
Nitric Acid

Giovanni Esposito	
Formulated By:	Giovanni Esposito 020422
Pedro L. Rentas	
Reviewed By:	Pedro L. Rentas 020422

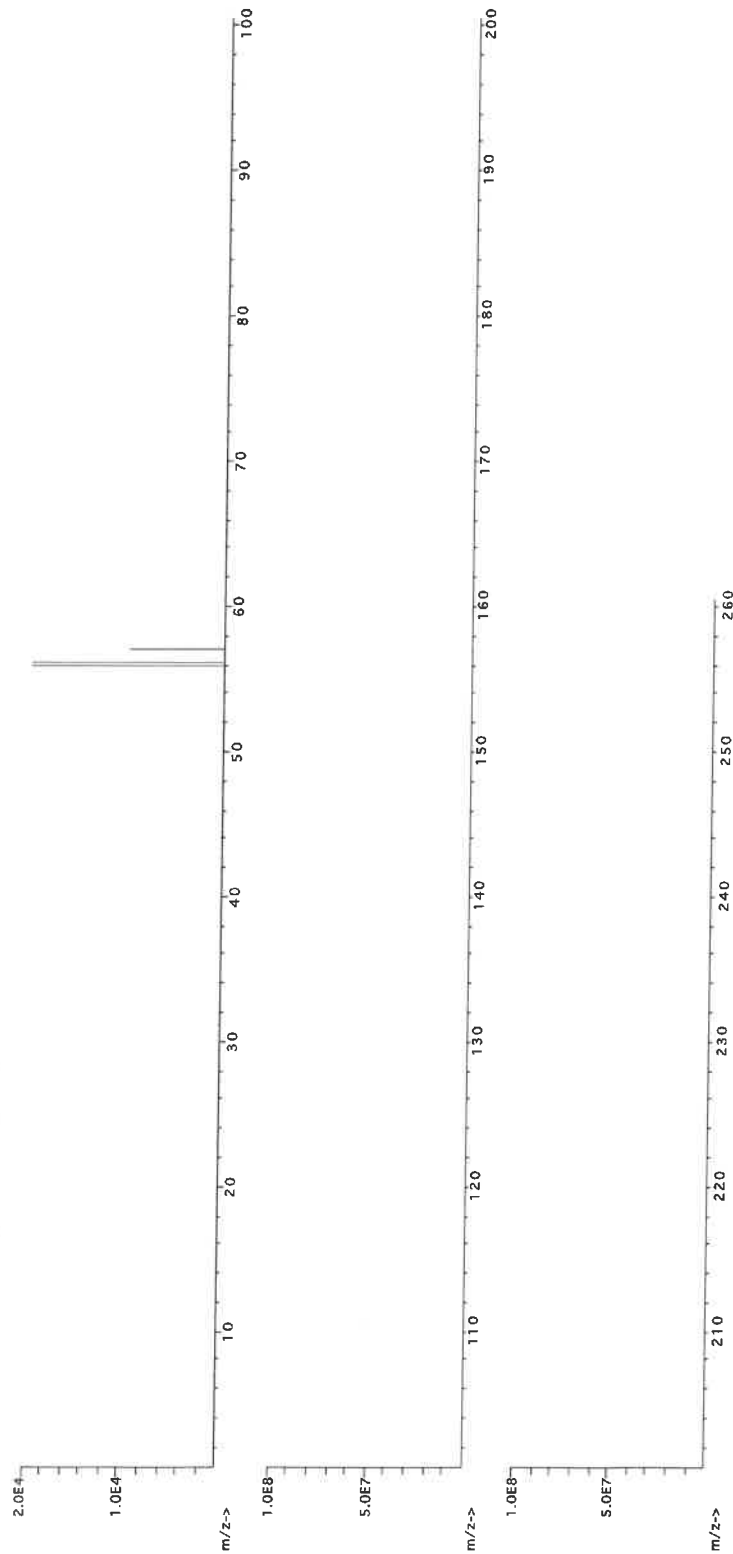
SDS Information

Expanded
Uncertainty
(Solvent Safety Info. On Attached pg.)
CAS# OSHA PEL (TWA) LD50

NIST
SRM

Compound	RM#	Lot Number	Nominal Conc. ($\mu\text{g/mL}$)	Purity (%)	Uncertainty (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. ($\mu\text{g/mL}$)	Expanded Uncertainty +/- ($\mu\text{g/mL}$)	CAS#	OSHA PEL (TWA)	LD50
1. Iron(III) nitrate nonahydrate (Fe)	IN346	221035107	10000	99.999	0.10	100.0	30.0044	30.0090	10001.5	20.0	7782-61-8	5 mg/m3	or-hat 7500mg/kg 3126a

[1] Spectrum No.1 [30.763 sec]:58126.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS ($\mu\text{g/mL}$)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.10	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.10	Mn	<0.10	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.5	Ga	<0.2	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.10	Ge	<0.02	La	<0.10	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.10	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).



2.0 PRODUCT DESCRIPTION

Product Code: Multi Analyte Custom Grade Solution
Catalog Number: 6020CAL-1
Lot Number: S2-MEB711244
Matrix: 5% (v/v) HNO₃
tr. HF
Value / Analyte(s): 20 µg/mL ea:
Silver, Aluminum,
Arsenic, Barium,
Beryllium, Calcium,
Cadmium, Cobalt,
Chromium, Copper,
Iron, Potassium,
Magnesium, Manganese,
Sodium, Nickel,
Lead, Antimony,
Selenium, Thallium,
Vanadium, Zinc

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	20.01 ± 0.08 µg/mL	Antimony, Sb	20.01 ± 0.12 µg/mL
Arsenic, As	20.01 ± 0.18 µg/mL	Barium, Ba	20.01 ± 0.11 µg/mL
Beryllium, Be	20.01 ± 0.14 µg/mL	Cadmium, Cd	20.01 ± 0.11 µg/mL
Calcium, Ca	20.01 ± 0.10 µg/mL	Chromium, Cr	20.01 ± 0.16 µg/mL
Cobalt, Co	20.01 ± 0.11 µg/mL	Copper, Cu	20.01 ± 0.10 µg/mL
Iron, Fe	20.01 ± 0.09 µg/mL	Lead, Pb	20.01 ± 0.11 µg/mL
Magnesium, Mg	19.99 ± 0.10 µg/mL	Manganese, Mn	20.01 ± 0.10 µg/mL
Nickel, Ni	20.01 ± 0.11 µg/mL	Potassium, K	20.01 ± 0.10 µg/mL
Selenium, Se	20.02 ± 0.14 µg/mL	Silver, Ag	20.02 ± 0.09 µg/mL
Sodium, Na	20.01 ± 0.10 µg/mL	Thallium, Tl	20.01 ± 0.13 µg/mL
Vanadium, V	20.01 ± 0.11 µg/mL	Zinc, Zn	20.01 ± 0.11 µg/mL

Density: 1.026 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{\text{CRM/RM}}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{\text{CRM/RM}} = \sum (w_i) (X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{\text{char } i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$$w_i = (1/u_{\text{char } i}^2) / (\sum (1/u_{\text{char } i}^2))$$

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k (u_{\text{char}}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char}} = [\sum (w_i)^2 (u_{\text{char } i}^2)]^{1/2}$ where $u_{\text{char } i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{Its} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{\text{CRM/RM}}$, where one method of characterization is used is the mean of individual results:

$$X_{\text{CRM/RM}} = (X_a) (u_{\text{char } a})$$

X_a = mean of Assay Method A with

$u_{\text{char } a}$ = the standard uncertainty of characterization Method A

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k (u_{\text{char } a}^2 + u_{\text{bb}}^2 + u_{\text{Its}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char } a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{Its} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

HF Note: This standard should not be prepared or stored in glass.

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

October 20, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **October 20, 2026**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director





Certified Reference Material CRM
MS496 R 17/20/23



CERTIFIED WEIGHT REPORT:

Part Number: **58113**

Lot Number: **011623**

Description: **Aluminum (Al)**

Solvent: 20510011 Nitric Acid

Lot #

Expiration Date: 011626

Recommended Storage: Ambient (20 °C)

Nominal Concentration (µg/mL): 10000

NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 2000.02 0.058 Balance Uncertainty Flask Uncertainty

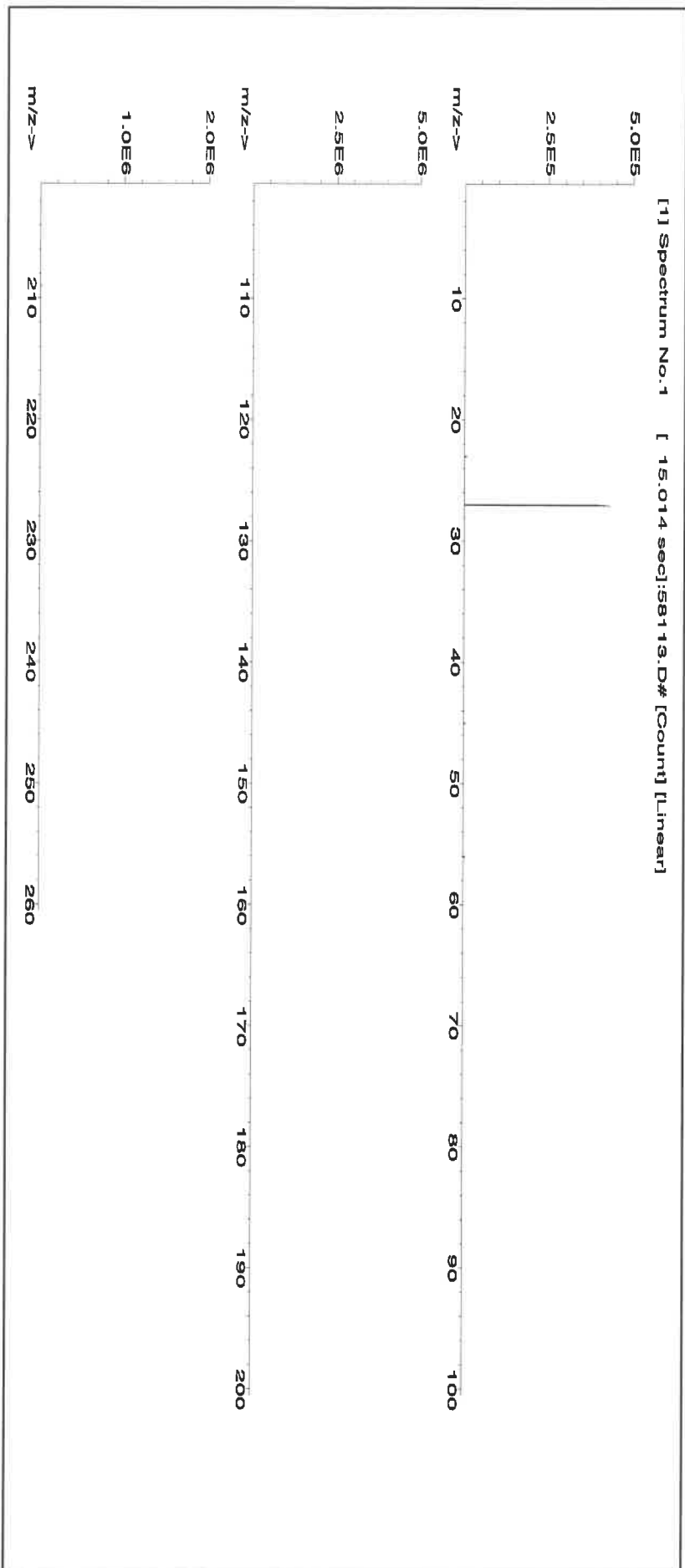
2% 40.0 Nitric Acid (mL)

Giovanni Esposito	
Formulated By:	Giovanni Esposito
	011623
Pedro L. Rentas	
Reviewed By:	Pedro L. Rentas
	011623

SDS Information

Compound	Lot	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum nitrate nonahydrate (Al)	ALM112021A1	10000	99.999	0.10	7.30	273.9779	274.0078	10001.1	20.0	7784-27-2	2 mg/m3	or-hat 3671 mg/kg	3101a

[1] Spectrum No. 1 [15.014 sec]:58113.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	T	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Tc	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Ti	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.2	Fe	<0.02	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Tl	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



15497-15498 R203/17/23(2)

CERTIFIED WEIGHT REPORT:

Part Number:
Lot Number:
Description:

58120
031523
Calcium (Ca)

Solvent: 21110221 Nitric Acid

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test Number:

031526
Ambient (20 °C)
10000
6UTB
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

2%
60.0
Nitric Acid
(mL)

Weight shown below was diluted to (mL): 3000.41

<i>Giovanni Esposito</i>	
Formulated By:	Giovanni Esposito 031523
<i>Pedro L. Rentas</i>	
Reviewed By:	Pedro L. Rentas 031523

SDS Information

(Solvent Safety Info. On Attached pg.)
NIST
SRM

Expanded
Uncertainty

Actual
Conc. (µg/mL)

Actual
Weight (g)

Target
Weight (g)

Assay
(%)

Purity
(%)

Nominal
Conc. (µg/mL)

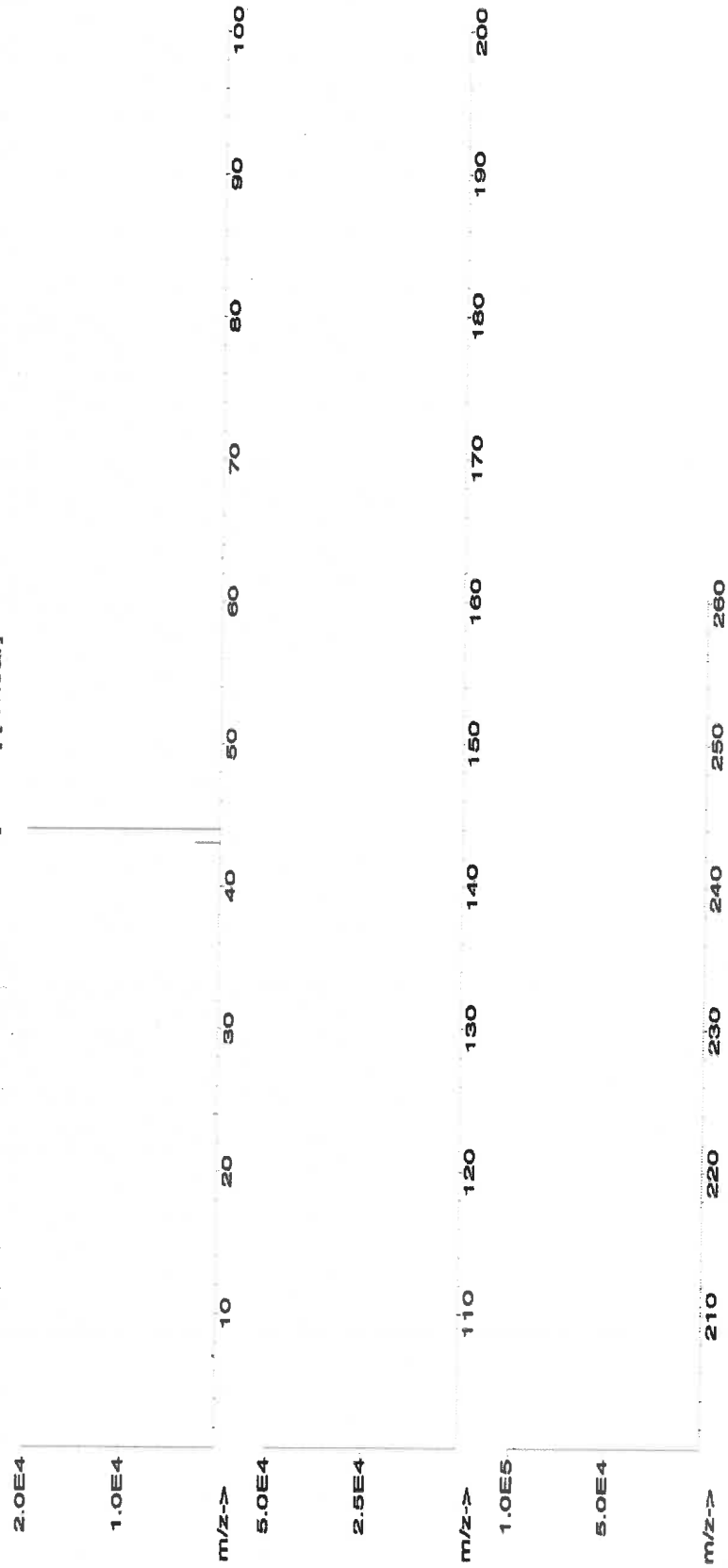
Lot
Number

RM#

Compound

1. Calcium carbonate (Ca)	IN014	CAD072022A1	10000	99.999	0.10	39.9	75.1990	75.2093	10001.4	20.0	471-34-1	5 mg/m3	or-rat >2000mg/kg	3109a
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[1] Spectrum No.1 [12.514 sec]:58120.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	T	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Tc	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Ti	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.2	Fe	<0.02	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Tl	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

CERTIFIED WEIGHT REPORT:

Part Number:
Lot Number:
Description:

57182
061522
Lead (Pb)

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test Number:

061525
Ambient (20 °C)
10000
6UTB

Weight shown below was diluted to (mL):

2000.02

5E-05 Balance Uncertainty

0.058 Flask Uncertainty

Solvent:

20510011

Nitric Acid

2%
40.0
(mL)

Nitric Acid

Lot #

20510011

Nitric Acid

2%

40.0

(mL)

Nitric Acid

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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.2	Fe	<0.02	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pr	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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Certified Reference Material CRM



M586 M587 R:03/17/22

CERTIFIED WEIGHT REPORT:

Part Number: 58111
Lot Number: 022123
Description: Sodium (Na)

Solvent: 21110221 Nitric Acid

Expiration Date: 022126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 3000.41

2% Nitric Acid
(mL)

5E-05 Balance Uncertainty
0.06 Flask Uncertainty

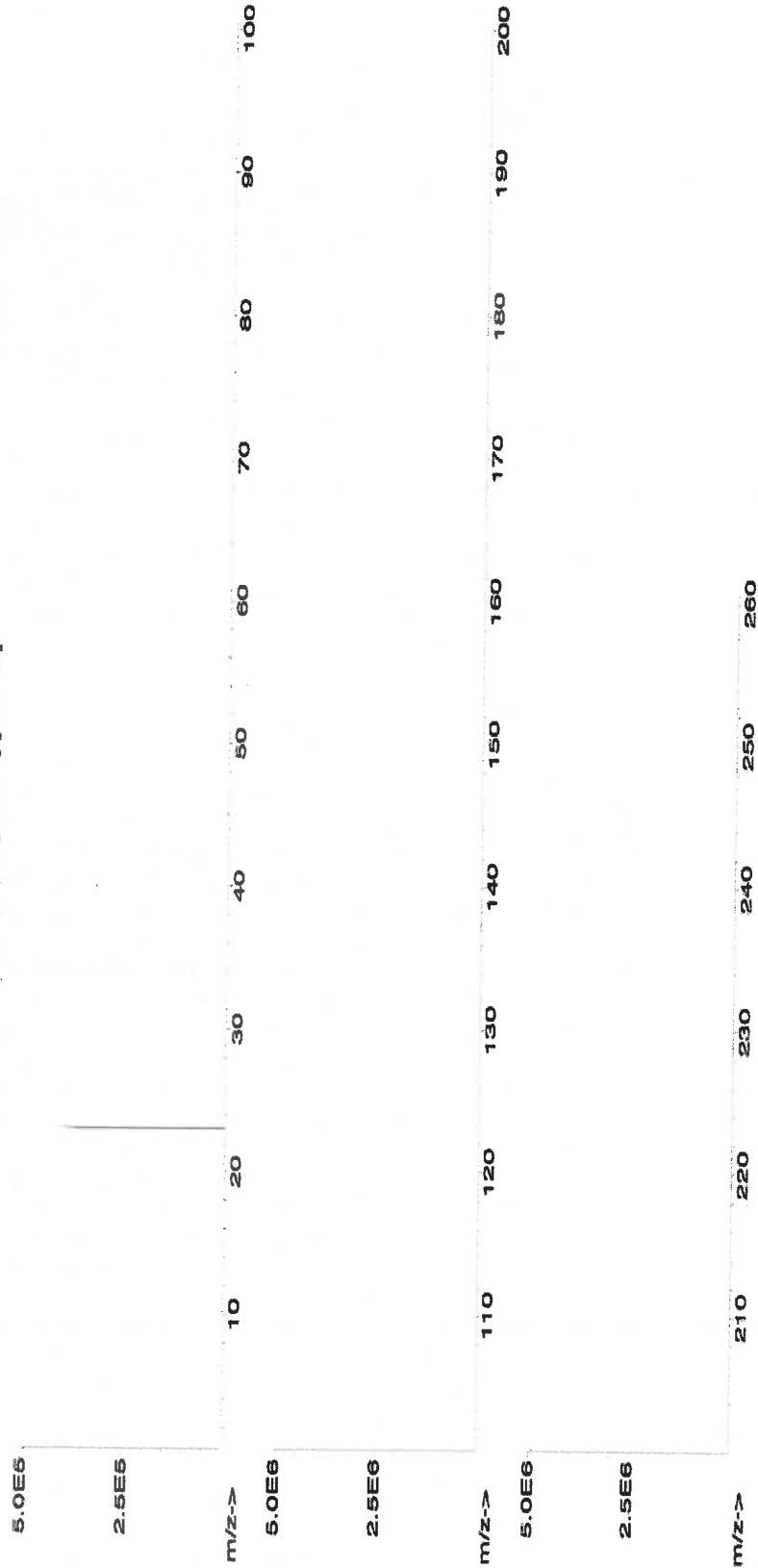
Formulated By:	Lawrence Barry 022123
Reviewed By:	Pedro L. Rentas 022123

SDS Information

Expanded Uncertainty (Solvent Safety Info. On Attached pg.) NIST SRM
+/- (µg/mL) CAS# OSHA PEL (TWA) LD50

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Sodium nitrate (Na)	IN036	NAV01201511	10000	99.998	0.10	26.9	111.5406	111.5410	10000.0	20.0	7631-99-4	5 mg/m3	ort-rat 3430 mg/kg	3152a

[1] Spectrum No.1 [8.935 sec]:58111.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Tc	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.02	Os	<0.01	Rh	<0.02	Ag	<0.02	Ti	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	T	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.02	Hg	<0.2	P	<0.2	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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Certified Reference Material CRM

CERTIFIED WEIGHT REPORT:

Part Number: **58119**
Lot Number: **120822**
Description: **Potassium (K)**

Solvent: 20510011 Nitric Acid

Lot #

Expiration Date: 120825
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

2% 60.0 (mL) Nitric Acid

Weight shown below was diluted to (mL): 3000.4

5E-05 Balance Uncertainty
0.06 Flask Uncertainty

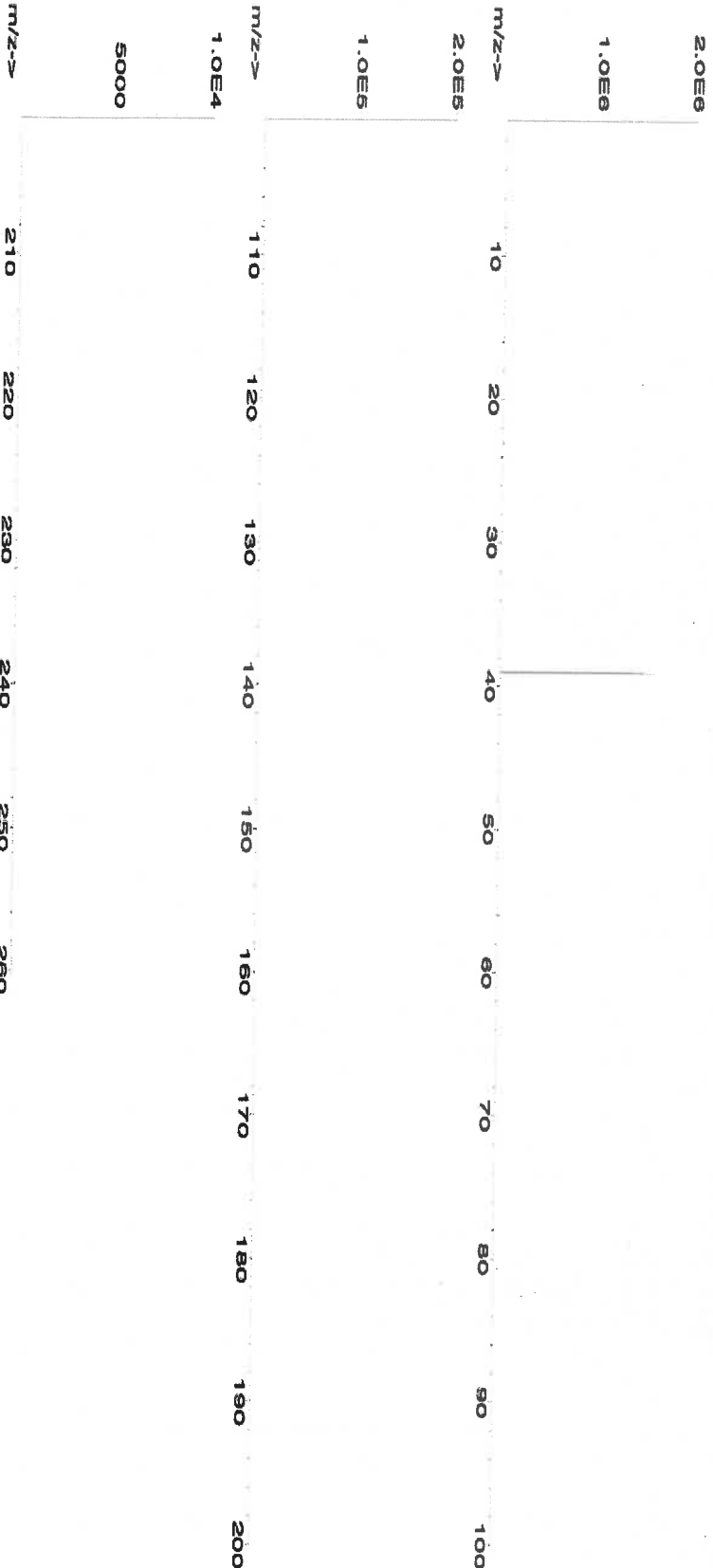
<i>Giovanni Esposito</i>	
Formulated By:	Giovanni Esposito
Reviewed By:	<i>Pedro L. Renteria</i>
	120822

Compound

Lot	Nominal	Purity	Uncertainty	Assay	Target	Actual	Actual	Expanded	SDS Information	NIST
Number	Conc. (µg/mL)	(%)	Purity (%)	(%)	Weight (g)	Weight (g)	Conc. (µg/mL)	Uncertainty +/- (µg/mL)	(Solvent Safety Info. On Attached pg.)	SRM

1. Potassium nitrate (K) IN034 KD022021A1 10000 99.989 0.10 37.6 79.7990 79.8075 10001.1 20.0 7757-79-1 5 mg/m3 crtat 3015 mg/kg 3141a

[1] Spectrum No.1 [35.763 sec]:58119.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.02	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

Part Number: **58024**
Lot Number: **060523**
Description: **Chromium (Cr)**

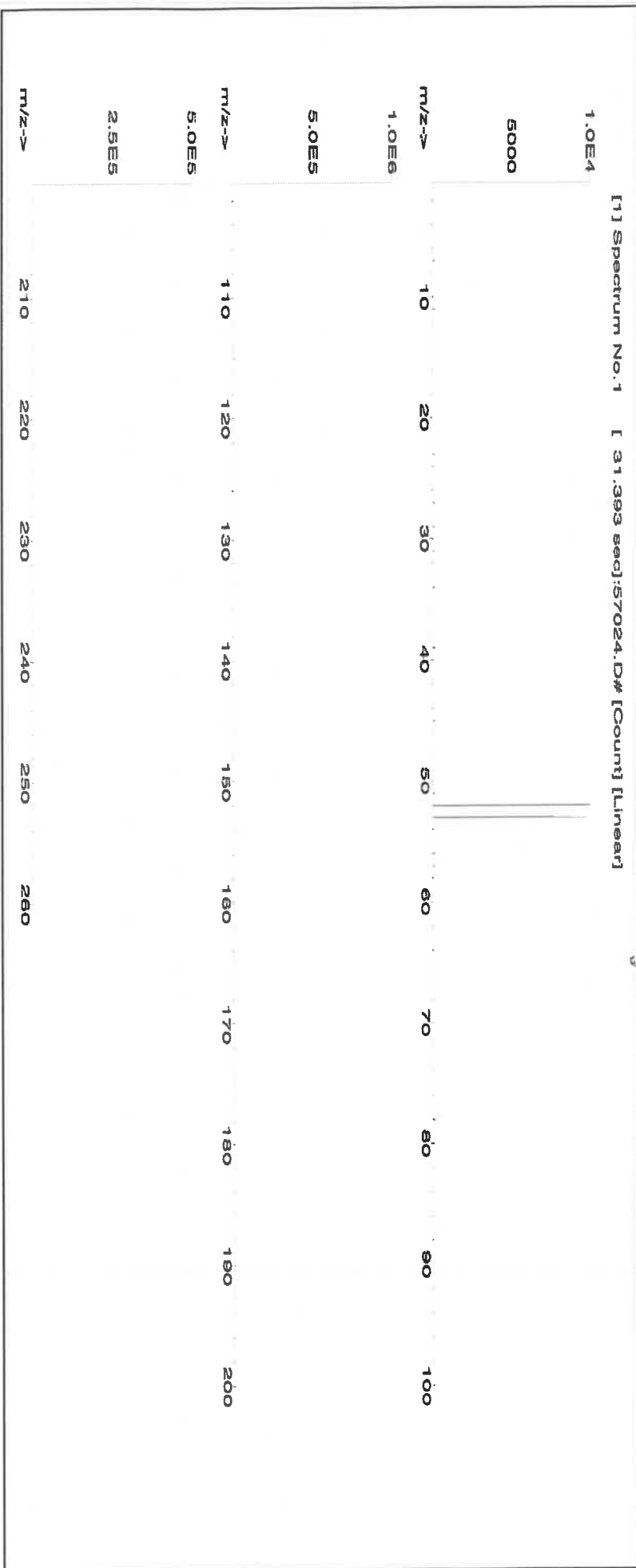
Lot #: **2110221**
Solvent: **Nitric Acid**

Formulated By:	Lawrence Barry
	060523
Reviewed By:	Pedro L. Ruelas
	060523

Expiration Date: 060526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 2000.02
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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1. Chromium(III) nitrate nonahydrate (Cr) 58124 071122 0.1000 200.0 0.084 1000 10000.1 1000.0 2.2 7789-02-8 0.5 mg(Cr)/m3 or rat 3250 mg/kg 3112a





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	T	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
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- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

Part Number: 58029
Lot Number: 102523
Description: Copper (Cu)

Lot # 24002546
Solvent: Nitric Acid

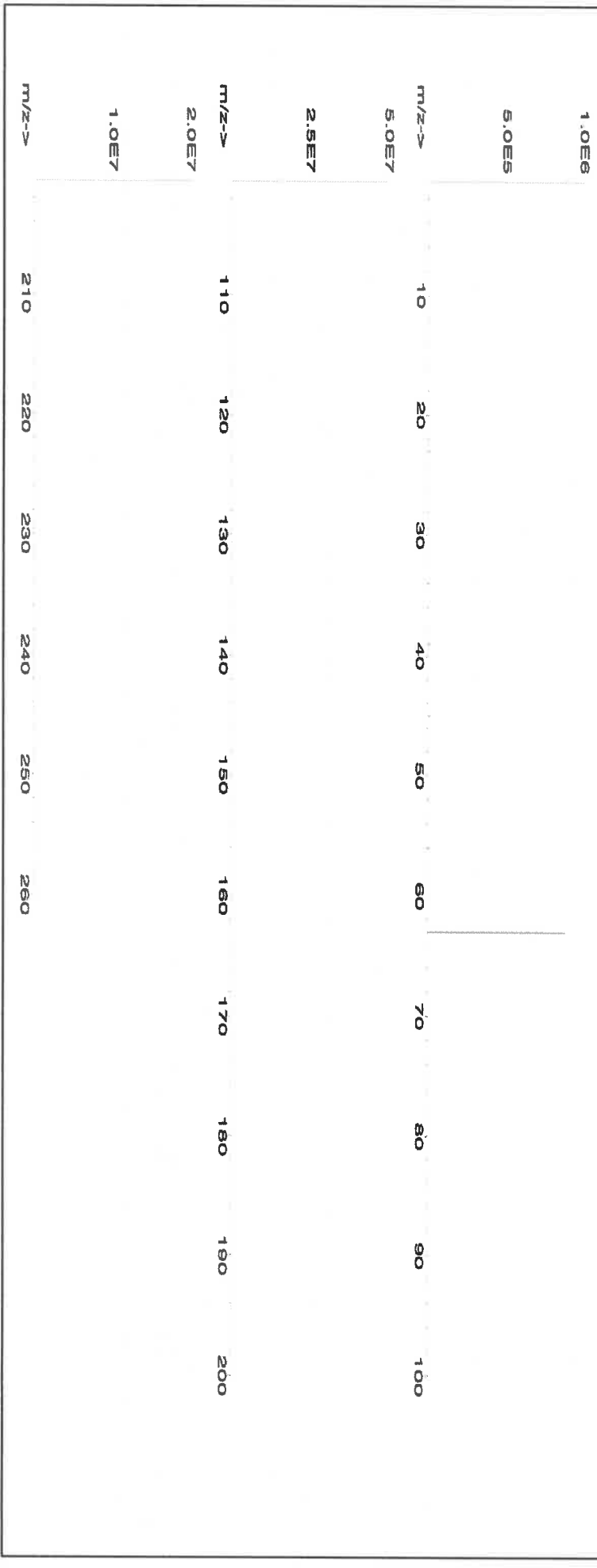
Expiration Date: 102526
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Volume shown below was diluted to (mL): 2000.02
Balance Uncertainty: 5E-05
Flask Uncertainty: 0.058

Formulated By:	Benson Chan
Reviewed By:	Pedro L. Rentas

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM

1. Copper(II) nitrate trihydrate (Cu) 58129 100223 0.1000 200.0 0.084 1000 10000.1 1000.0 2.2 10031-43-3 1 mg/m3 or-rat 794 mg/kg 3114

[1] Spectrum No.1 [33.422 sec]:58029.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Bu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	T	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

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- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

Part Number: **58029**
Lot Number: **071723**
Description: **Copper (Cu)**

Lot #: **2110221**
Solvent: **Nitric Acid**

2.0%

40.0 (mL)
Nitric Acid

Formulated By:	Benson Chan	071723
Reviewed By:	Pedro L. Ruelas	071723

Expiration Date: **071726**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**

NIST Test Number: **6L7B**

Volume shown below was diluted to (mL): **2000.02**
Balance Uncertainty: **5E-05**
Flask Uncertainty: **0.058**

SDS Information

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
----------	-------------	------------	-----------------	-------------------	------------------	-----------------------	-----------------------	---------------------	----------------------------------	------	----------------	------	----------

1. Copper(II) nitrate trihydrate (Cu) 58129 022723 0.1000 200.0 0.084 1000 10000.5 1000.0 2.2 10031-43-3 1 mg/m3 or rat 794 mg/kg 3114

[1] Spectrum No.1 [33.422 sec]:58029.D# [Count] [Linear]

1.0E6	m/z-->	10	20	30	40	50	60	70	80	90	100
5.0E5	m/z-->	110	120	130	140	150	160	170	180	190	200
2.5E7	m/z-->	210	220	230	240	250	260				



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Bu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Ru	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	La	<0.2	Hg	<0.2	P	<0.02	Sr	<0.02	S	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	Pb	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	Ta	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	T	Au	<0.02			Nd	<0.02	K	<0.2	Sc	<0.02			Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



M5768 M5769
Certified Reference Material CRM
R: 1/13/24



CERTIFIED WEIGHT REPORT:

Part Number: 58112
Lot Number: 091823
Description: Magnesium (Mg)

Solvent: 24002546 Nitric Acid

Lot #

Expiration Date: 091826

Recommended Storage: Ambient (20 °C)

Nominal Concentration (µg/mL): 10000

NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 2000.02

2% 40.0 (mL) Nitric Acid

M5768 M5769

BP R: 1/13/24

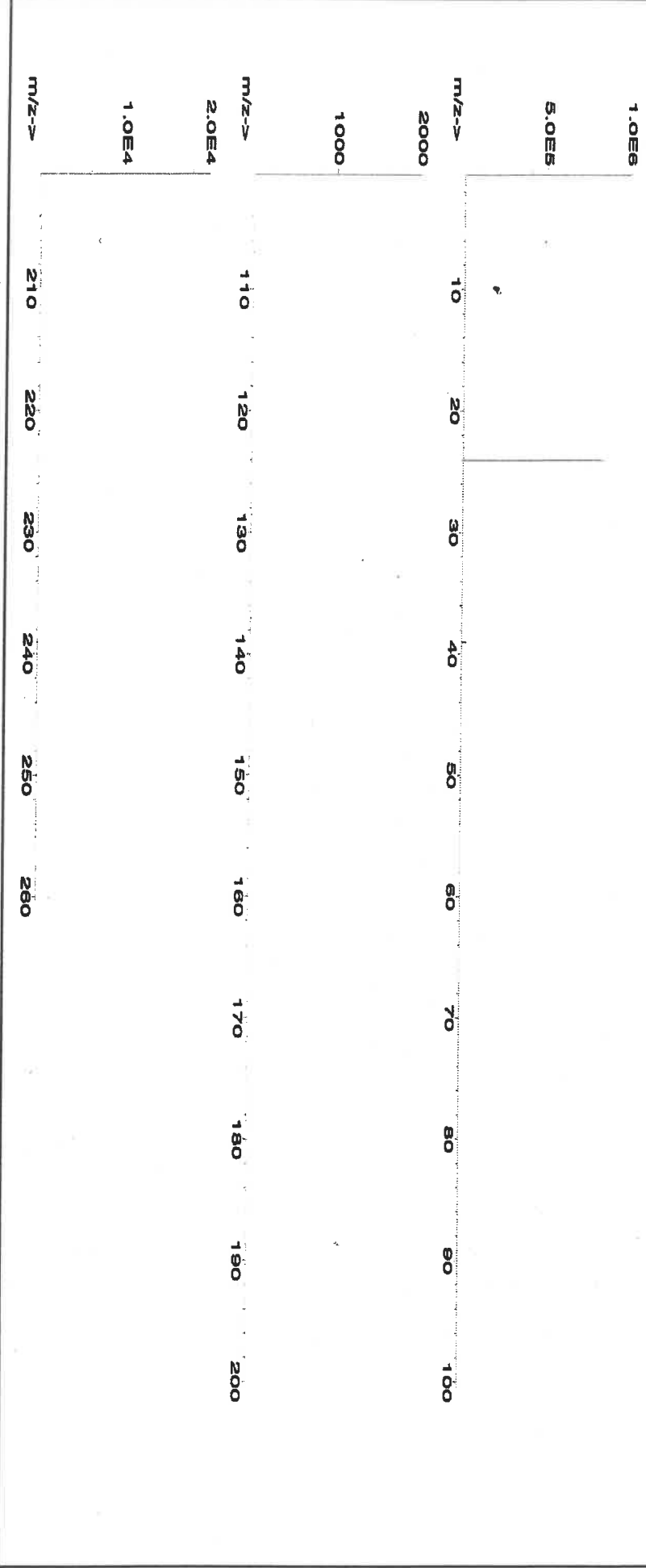
Formulated By: <i>Lawrence Barry</i>		091823
Reviewed By: <i>Pedro L. Rentas</i>		091823

Compound

Lot	Nominal	Purity	Uncertainty	Assay	Target	Actual	Actual	Expanded	SDS Information	NIST
Number	Conc. (µg/mL)	(%)	Purity (%)	(%)	Weight (g)	Weight (g)	Conc. (µg/mL)	Uncertainty +/- (µg/mL)	(Solvent Safety Info. On Attached pg.)	SRM

1. Magnesium nitrate hexahydrate (Mg) IN030 M500222A1 10000 99.999 0.10 8.51 234.9118 234.9126 10000.0 20.0 13446-18-9 NA or-rat 5440 mg/kg 3131a

[1] Spectrum No. 1 [19.923 sec]: 58112.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

Part Number: 57004
Lot Number: 102523
Description: Beryllium (Be)

Lot # 24002546
Solvent: Nitric Acid

Expiration Date:

102526

2.0%

40.0 (mL)

Nitric Acid

Recommended Storage:

Ambient (20 °C)

Nominal Concentration (µg/mL):

1000

NIST Test Number:

6UTB

Volume shown below was diluted to (mL): 2000.02

5E-05 Balance Uncertainty

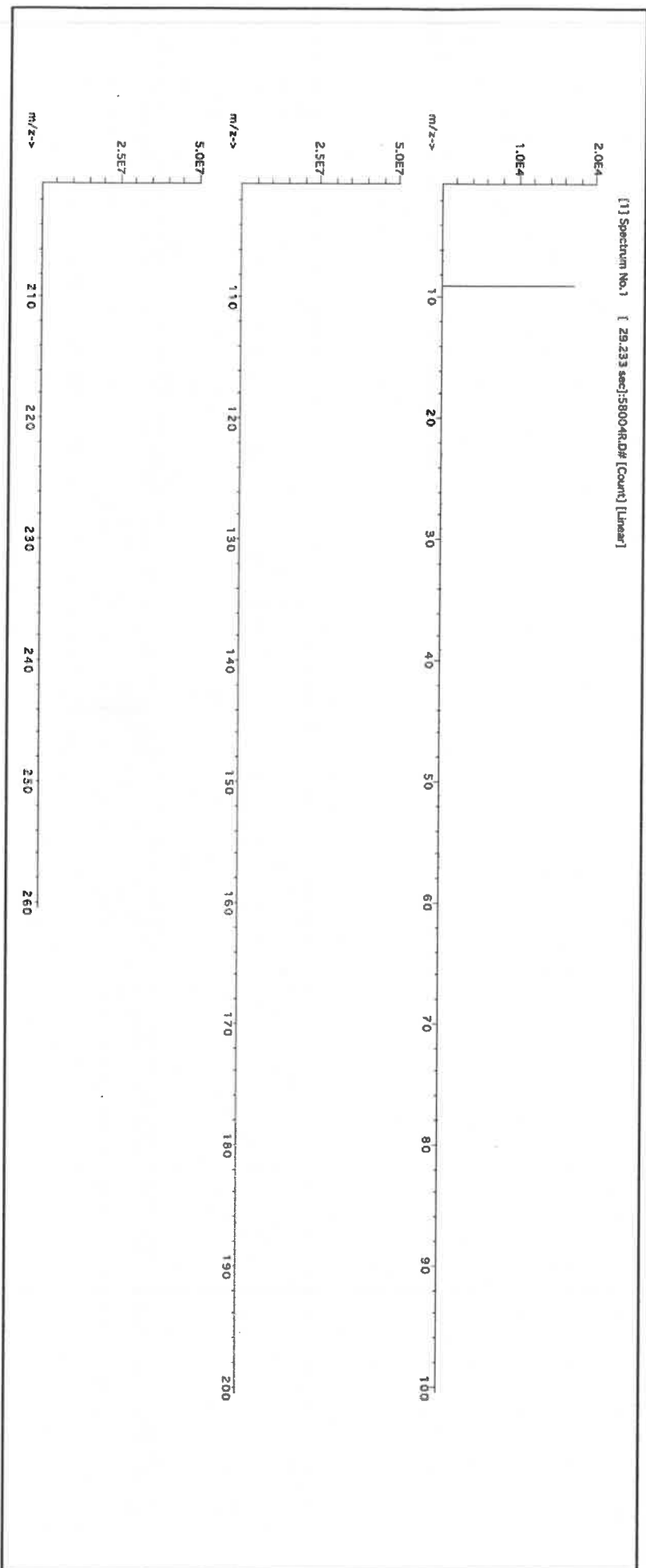
0.058 Flask Uncertainty

Formulated By:	Benson Chan	102523
Reviewed By:	Pedro L. Rentas	102523

SDS Information

Compound	Part Number	Lot	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
----------	-------------	-----	-----------------	-------------------	--------------------------	-----------------------	-----------------------	---------------------	----------------------------------	------	----------------	------	----------

1. Beryllium nitrate (Be)	58104	091423	0.1000	200.0	0.084	1000	10001.5	1000.0	2.2	13597-99-4	0.2µg/m3	intrinsc-rat 3.16mg/kg	NA
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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS ($\mu\text{g/mL}$)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Tc	<0.02	U	<0.02
As	<0.02	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Ti	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	T	Cr	<0.02	Ga	<0.02	Fe	<0.02	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Ta	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.02	Sc	<0.02	Ta	<0.02	Tl	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

* The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
 * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.

* All standard containers are meticulously cleaned prior to use.

* Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
 * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.

* All Standards should be stored with caps tight and under appropriate laboratory conditions.

* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



Certified Reference Material CRM

CERTIFIED WEIGHT REPORT:

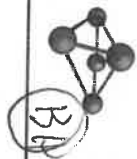
Part Number: 57050
Lot Number: 071123
Description: Tin (Sn)

Solvents: 21110221 Nitric Acid
22D0562008 Hydrochloric acid

Lot #

R-02509124

M599



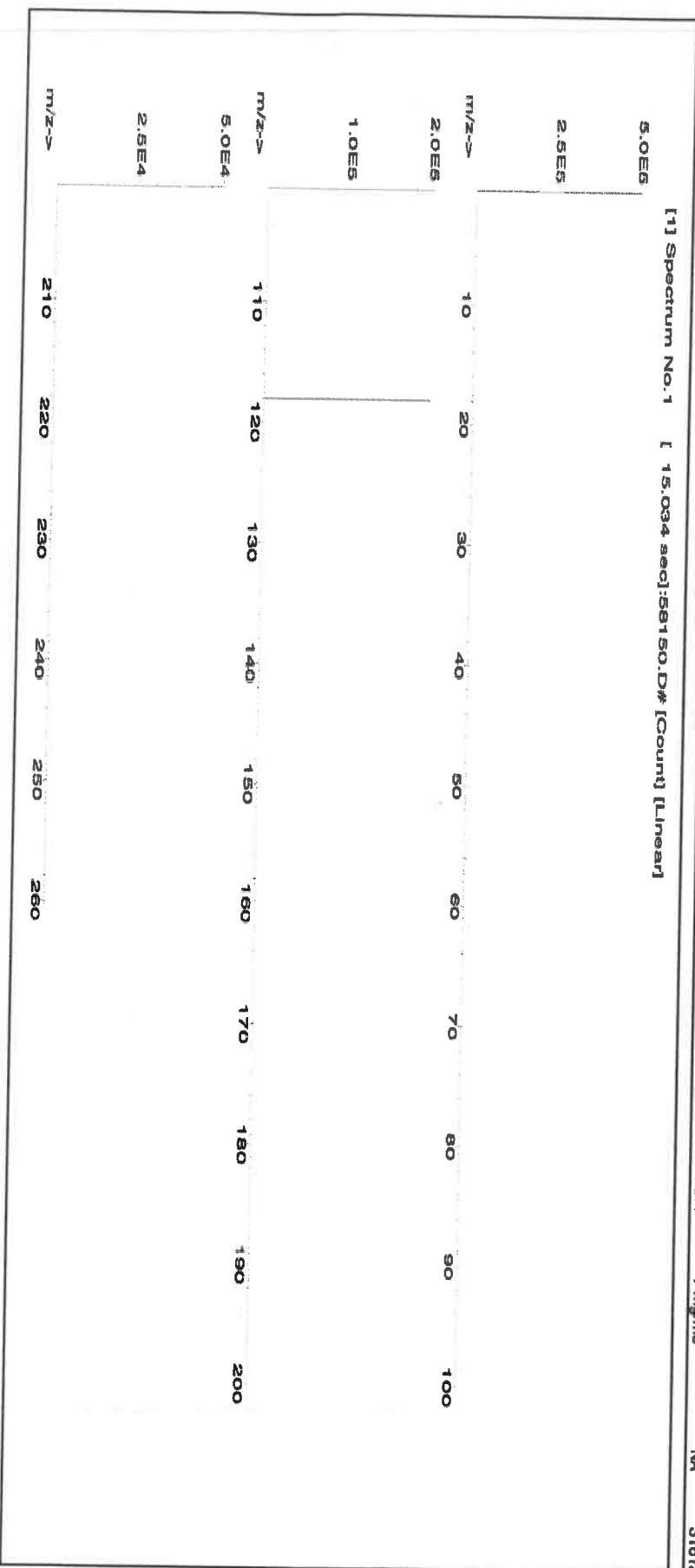
Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 499.93
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By: Benson Chan		071123
Reviewed By: Pedro L. Rientas		071123

Compound	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty		CAS#	OSHA PEL (TWA)	LD50	NIST SRM
									+/- (µg/mL)	(µg/mL)				

1. Ammonium hexafluoroantimonate(V) (Sn) INO10 SMD042023A1 1000 99.999 0.10 44.2 1.13107 1.13286 1001.6 2.0 16919-24-7 7 mg/m3 NA 3161a

[1] Spectrum No. 1 [15.034 sec]:56150.D# [Count] [Linear]



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS ($\mu\text{g/mL}$)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<500	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

Mr. P. J. ...

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
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- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



R: 02/09/24 115800 (54)

CERTIFIED WEIGHT REPORT:

Part Number: 57027
Lot Number: 091923
Description: Cobalt (Co)

Expiration Date: 091926
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

Volume shown below was diluted to (mL): 2000.02

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Lot # 24002546
Solvent: Nitric Acid

2.0% Nitric Acid
40.0 (mL)

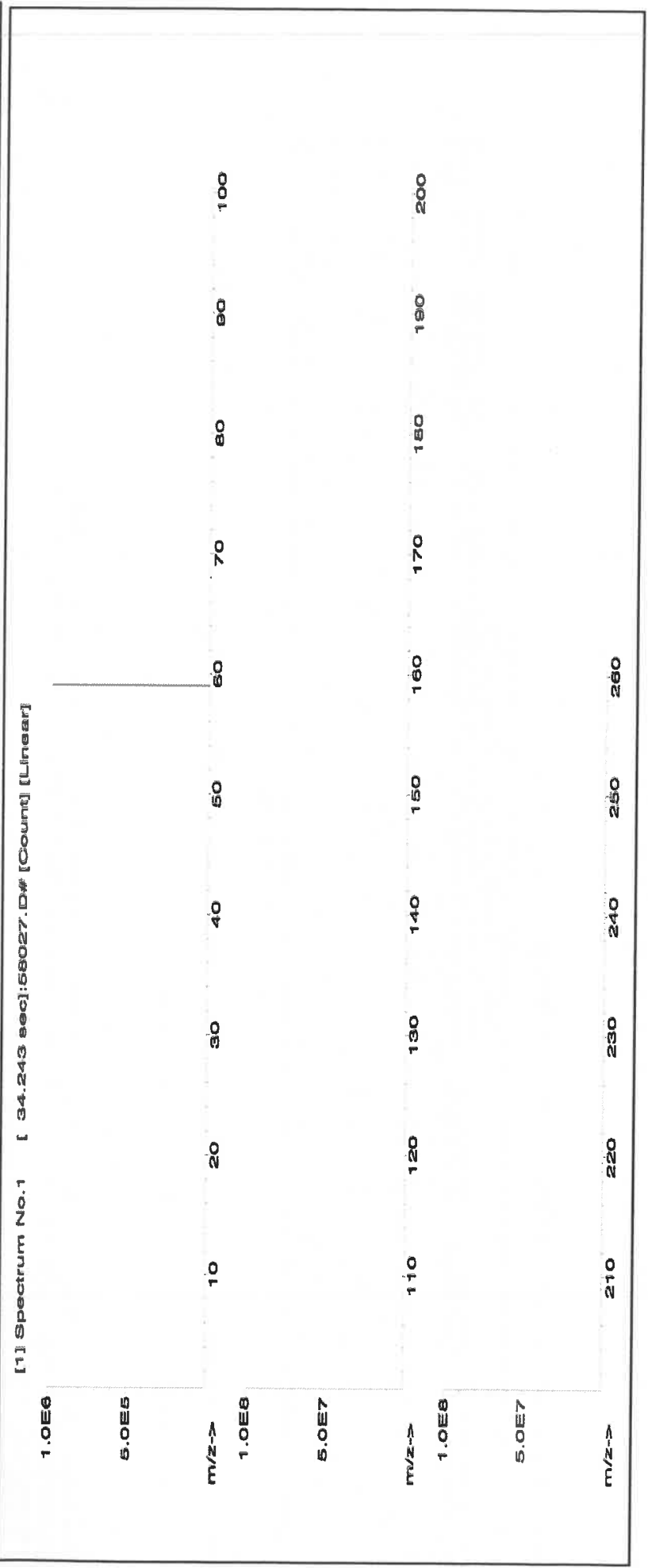
Formulated By:	Lawrence Barry
Reviewed By:	Pedro L. Rentas

SDS Information

Expanded Uncertainty +/- (µg/mL)
Final Conc. (µg/mL)
Initial Conc. (µg/mL)
Nominal Conc. (µg/mL)
Pipette (mL)
Initial Vol. (mL)
Dilution Factor
Part Number
Lot Number

(Solvent Safety Info. On Attached pg.)
CAS#
OSHA PEL (TWA)
LD50
NIST
SRM

1. Cobalt(II) nitrate hexahydrate (Co) 58127 050923 0.1000 200.0 0.084 1000 10000.0 1000.0 2.2 10026-22-9 0.02 mg/m3 orl-rat 691 mg/kg 3113





Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.02	Os	<0.01	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.2	Na	<0.02	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	T	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

Part Number:
Lot Number:
Description:

57033
111323
Arsenic (As)

Lot #
Solvent:

24002546
Nitric Acid

Expiration Date:

111326

2.0%
80.0 (mL)

Nitric Acid

Recommended Storage:

Ambient (20 °C)

Nominal Concentration (µg/mL):

1000

NIST Test Number:

6UTB

Volume shown below was diluted to (mL):

4000.0

5E-05 Balance Uncertainty
0.06 Flask Uncertainty

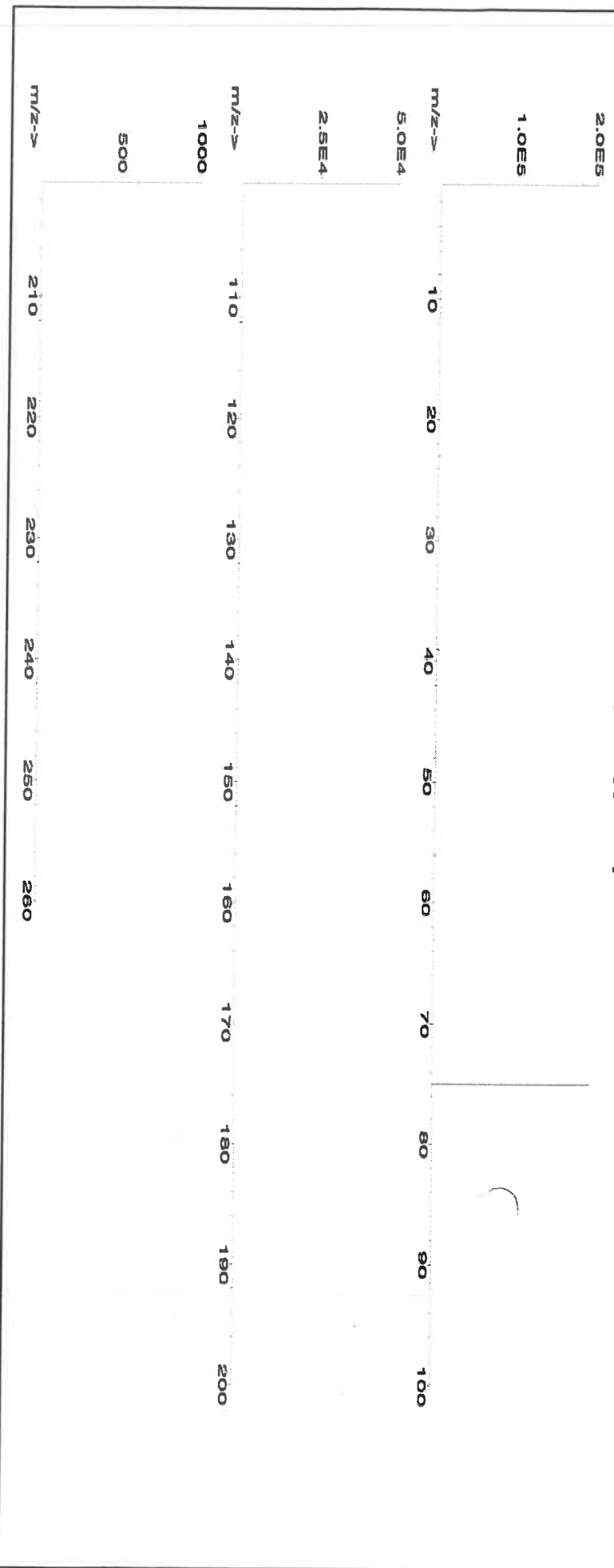
Formulated By:	Lawrence Barry
Reviewed By:	Pedro L. Rendas
	111323

Compound

Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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1. Arsenic (As)	58133	020522	0.1000	400.0	0.084	1000	10001.0	1000.0	2.0	7440-38-2	0.5 mg/m3	or-rat 500 mg/kg	3103a
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[1] Spectrum No. 1 [34.433 sec]:57033.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	T	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Tl	<0.02	Yb	<0.02
Bc	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge*	<0.02	La	<0.02	Mo	<0.02	Pr	<0.02	Sm	<0.02	S	<0.02	Sa	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

Part Number: 57115
Lot Number: 041723
Description: Phosphorous (P)

Solvent: 21110221 Nitric Acid

Lot #

R102109124 M5815

Expiration Date: 041726
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB

2% 40.0 (mL) Nitric Acid

Weight shown below was diluted to (mL): 2000.02 0.056 Balance Uncertainty Flask Uncertainty

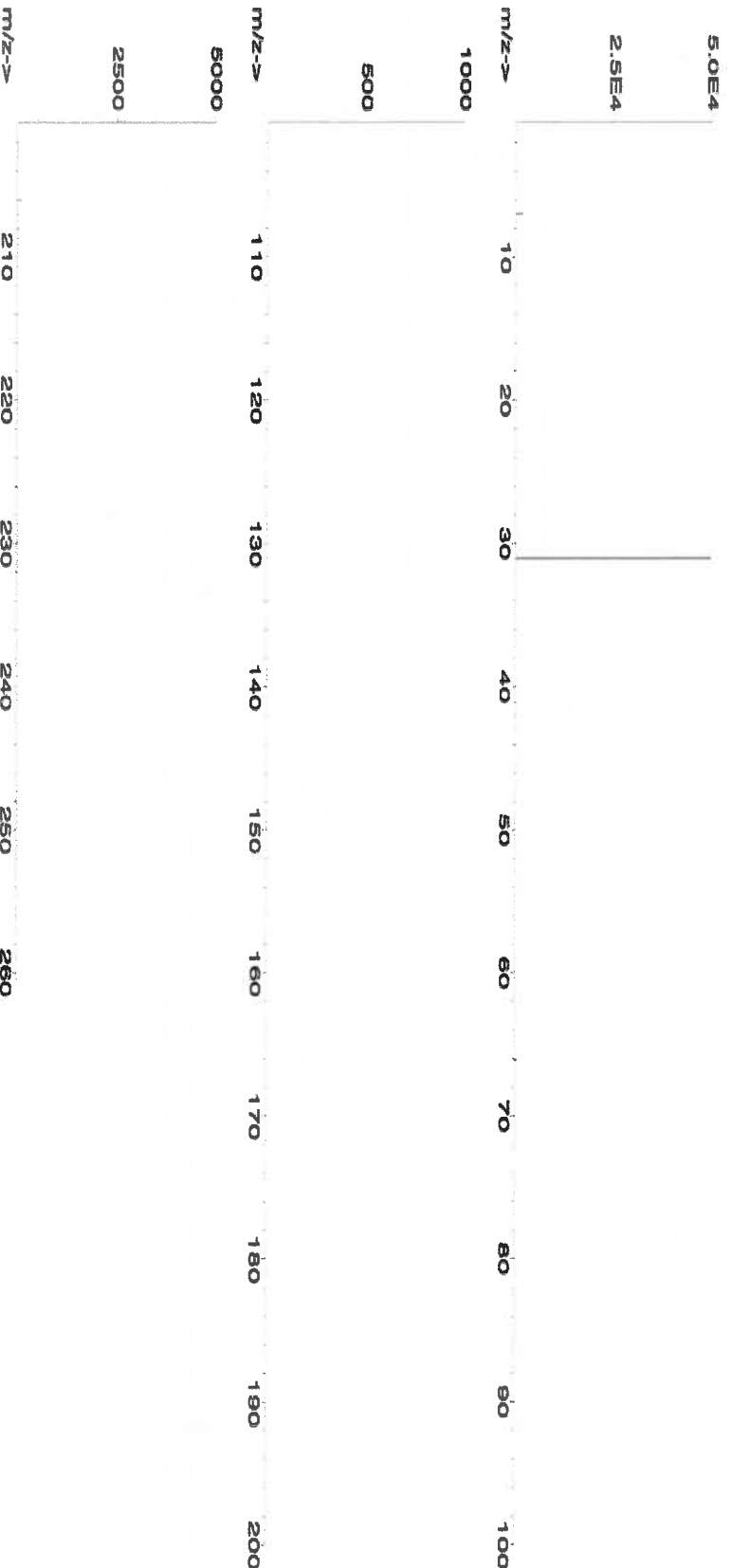
Formulated By:	Lawrence Barry
	041723
Reviewed By:	Pedro L. Rentas
	041723

SDS Information

Compound	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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1. Ammonium dihydrogen phosphate (P) IN008 PVR2019A1 10000 99.999 0.10 27.5 72.7287 72.7289 10000.0 20.0 7722-76-1 5 mg/m3 or-hal >2000mg/kg 3186

[1] Spectrum No.1 [12.074 sec]:58115.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

Part Number:
Lot Number:
Description:

57016
122923
Sulfur (S)

Lot #

ASTM Type 1 Water

Formulated By:	Benson Chan
Reviewed By:	Pedro L. Rentas
122923	

Expiration Date: 122926

Recommended Storage: Ambient (20 °C)

Nominal Concentration (µg/mL): 1000

NIST Test Number: 6L7B

Weight shown below was diluted to (mL): 4000.0

SE-05 Balance Uncertainty
0.06 Flask Uncertainty

Compound

RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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1. Ammonium sulfate (S) IN117 SLBR725V 1000 99.9 0.10 24.3 16.4979 16.4980 1000.0 2.0 7783-20-2 NA 0.01-0.1 4250mg/kg 3181

[1] Spectrum No. 1 [33.603 sec]:57016.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	La	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Ba	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Ru	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	S	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	Ta	<0.02	Ti	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

Part Number: **57116**
Lot Number: **071123**
Description: **Sulfur (S)**

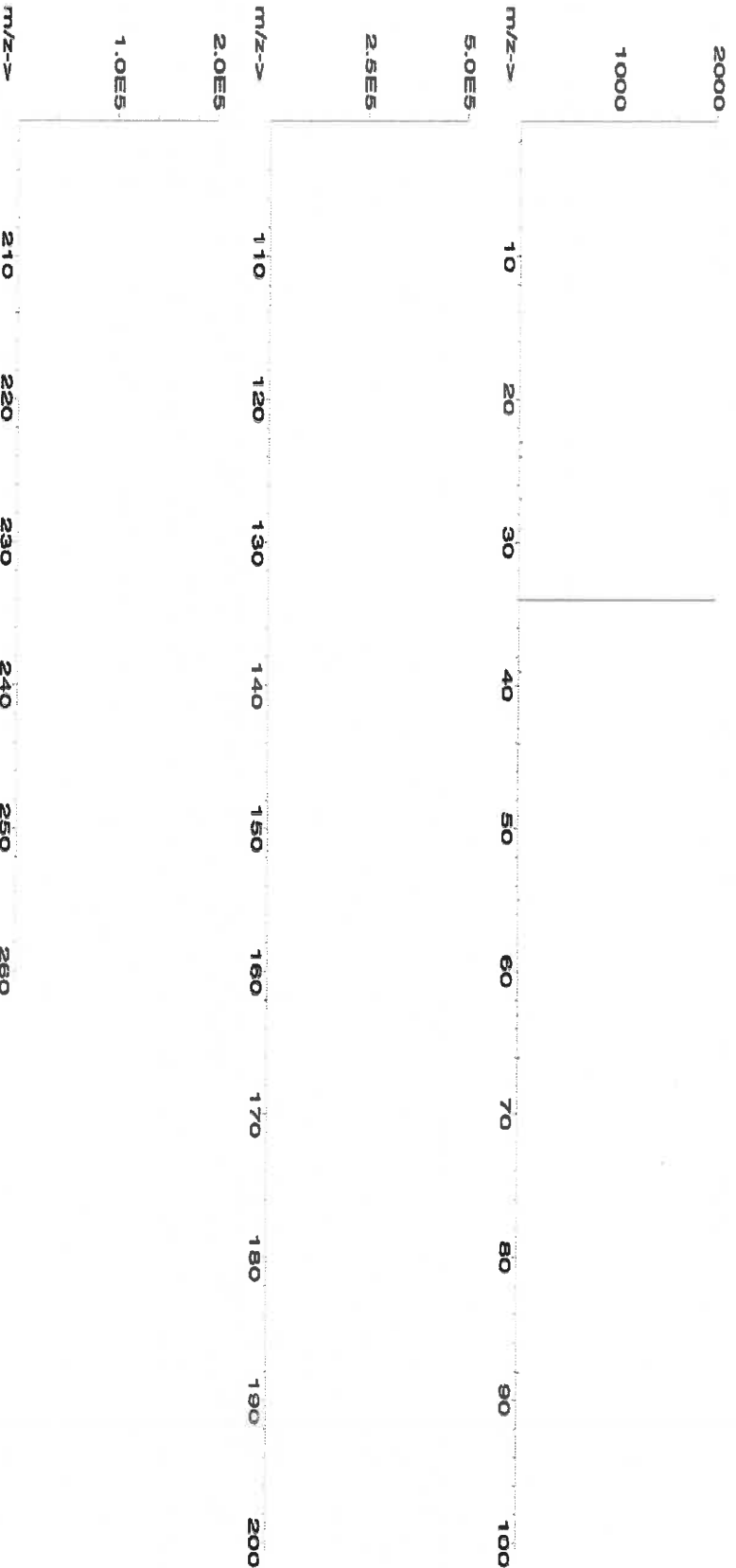
Lot #
Solvent: 071123
ASTM Type 1 Water

Formulated By:	Lawrence Barry
Reviewed By:	
Pedro L. Rentas	
071123	

Expiration Date: 071126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 1999.48
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

SDS Information									
Compound	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)
Ammonium sulfate (S)	IN117 SLBR7225V	10000	99.9	0.10	24.3	82.4675	82.4692	10000.1	20.0
						7763-20-2	NA	oralal 4250mg/kg	3181

[1] Spectrum No. 1 [24.004 sec]:58116.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Ti	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	T	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

Physical Characterization:

(T)= Target analyte

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

Part Number: 58030
Lot Number: 111623
Description: Zinc (Zn)

Solvent: 24002546 Nitric Acid

2% 60.0 (mL) Nitric Acid

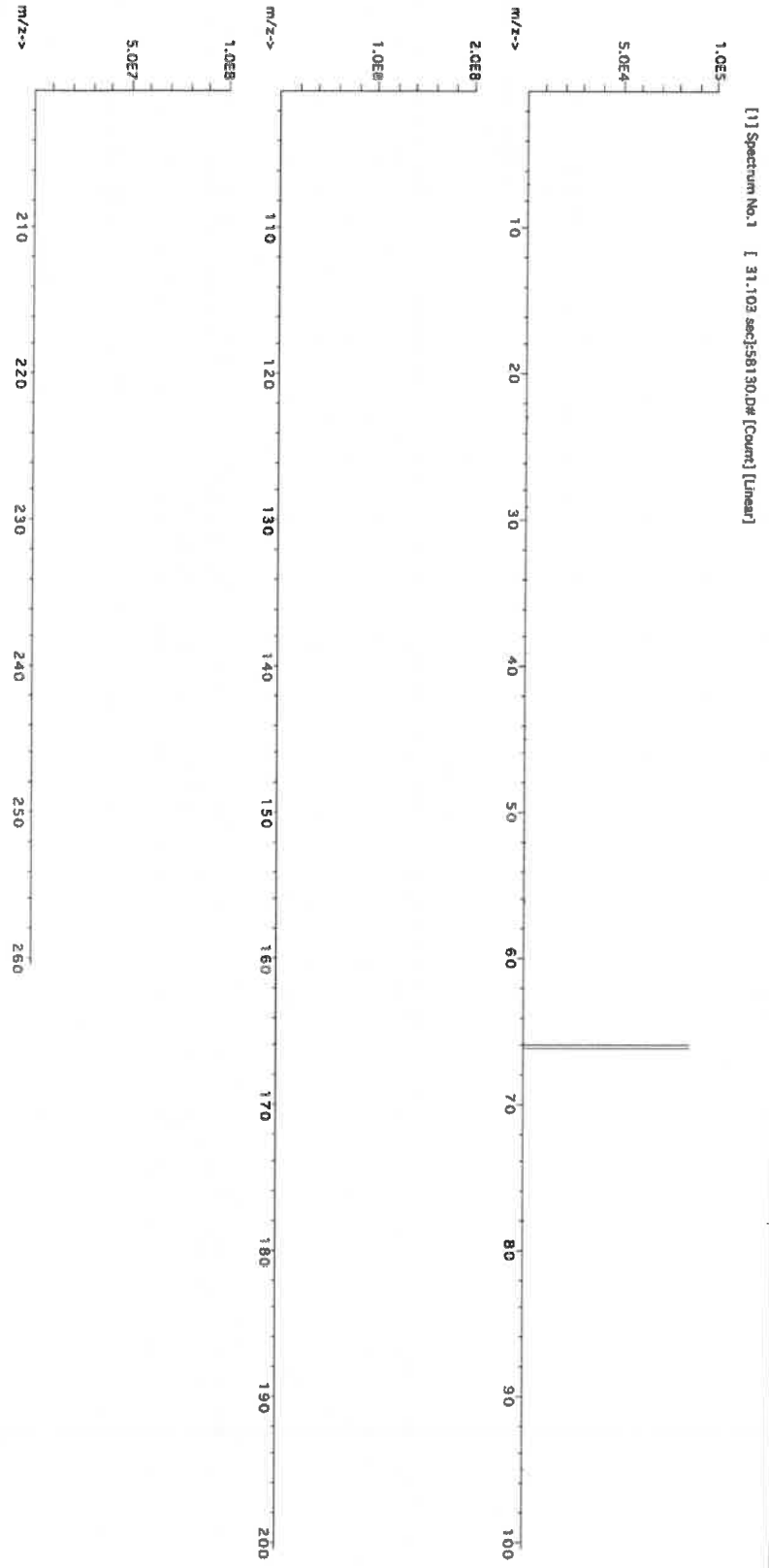
Expiration Date: 111626
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB

Formulated By:	Benson Chan
Reviewed By:	Pedro L. Reintas
111623	

Weight shown below was diluted to (mL): 3000.4 0.06 Balance Uncertainty Flask Uncertainty

Compound	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LDSO	NIST SRM
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1. Zinc nitrate hexahydrate (Zn) IN016 ZNE03021A1 1000 99.999 0.10 24.3 12.3475 12.3502 1000.2 2.0 10196-16-6 1 mg/mL 3168





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Bu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

Part Number: 57015
Lot Number: 091123
Description: Phosphorous (P)

Solvent: 24002546 Nitric Acid

Lot #

R: 02109124 M5820

Formulated By: Lawrence Barry 091123

Reviewed By: Pedro L. Rentas 091123

2% 40.0 (mL) Nitric Acid

Expiration Date: 091126
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6LJB

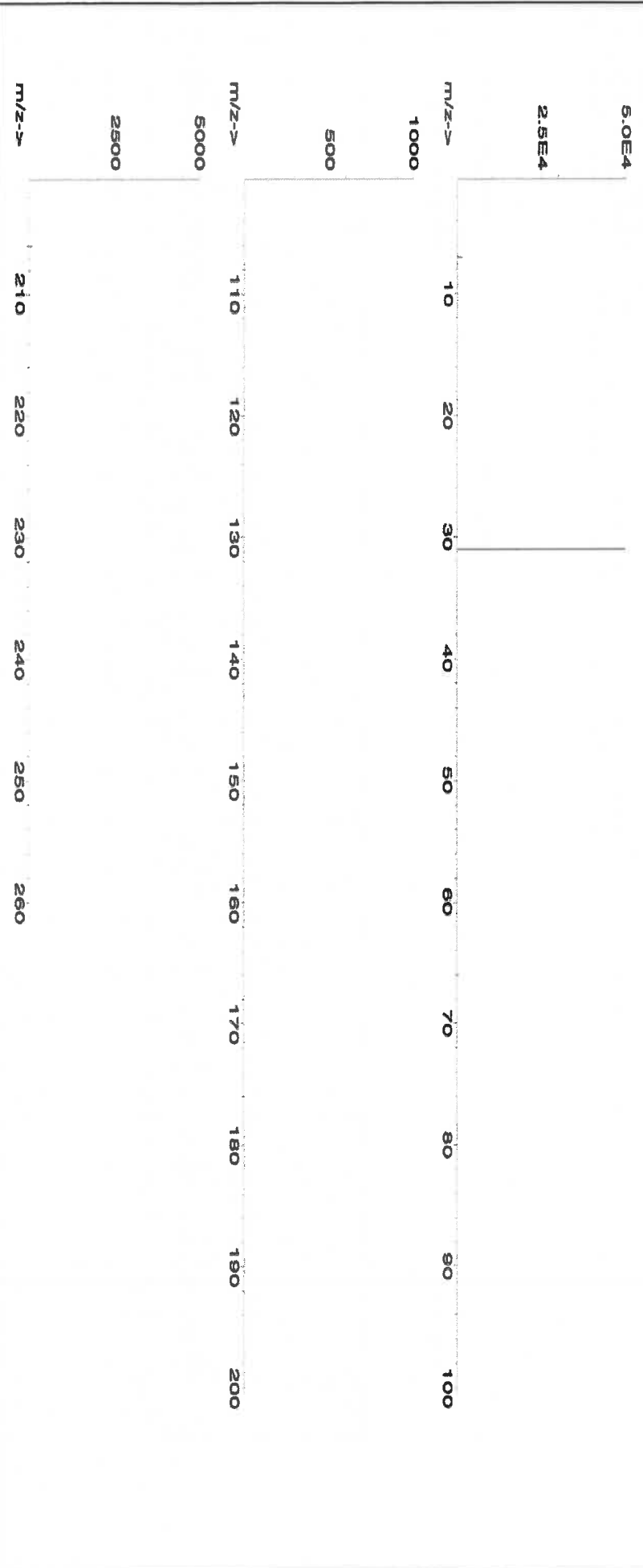
Weight shown below was diluted to (mL): 2000.02 0.058 Balance Uncertainty Flask Uncertainty

Compound

RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
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1. Ammonium dihydrogen phosphate (P) IN008 PVO82019A1 1000 99.999 0.10 27.5 7.2729 7.2730 1000.0 2.0 7722-76-1 5 mg/m3 xH-rat >2000mg/kg 3186

[1] Spectrum No.1 [12.074 sec]:58115.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Tc	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	T	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sa	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

MS961 R-1 6/11/24

Lot #

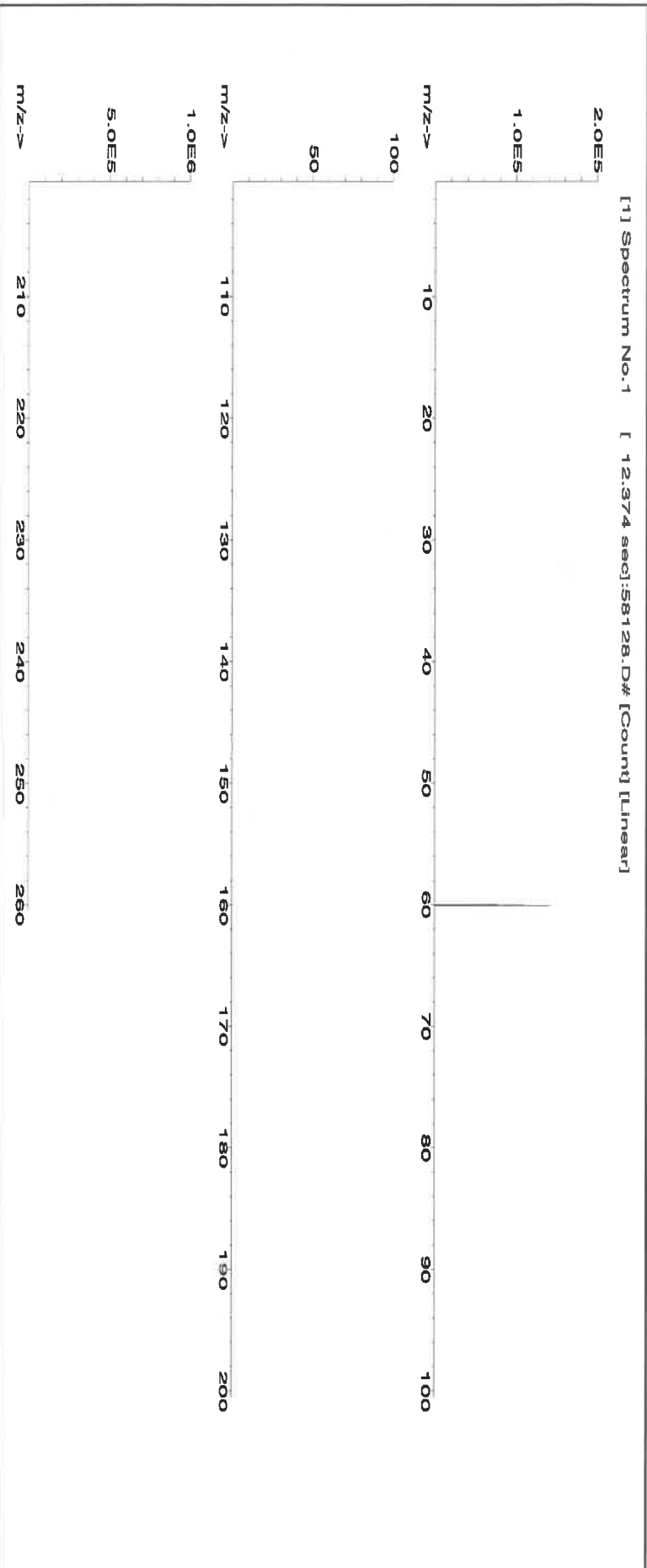
Part Number: 57028
Lot Number: 041124
Description: Nickel (NI)
Solvent: 24002546 Nitric Acid
Expiration Date: 041127
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 249.85
5E-05 Balance Uncertainty
0.002 Flask Uncertainty
2% 5.0 (mL) Nitric Acid

Formulated By:	Brian Geddes	041124
Reviewed By:	Pedro L. Rentas	041124

SDS Information

Compound	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	SRM
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1. Nickel(II) nitrate hexahydrate (NI) IN033 NIM052023A1 1000 99.999 0.10 20.2 1.2369 1.2369 1000.0 2.0 13478-00-7 1 mg/m3 or-rat 1620 mg/kg 3136





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	T	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Ba	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Bc	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

MS962 **R10614124**

Lot # **24002546** Solvent: **Nitric Acid**

Part Number: **57034**
Lot Number: **060624**
Description: **Selenium (Se)**

2.0% 40.0 (mL) Nitric Acid

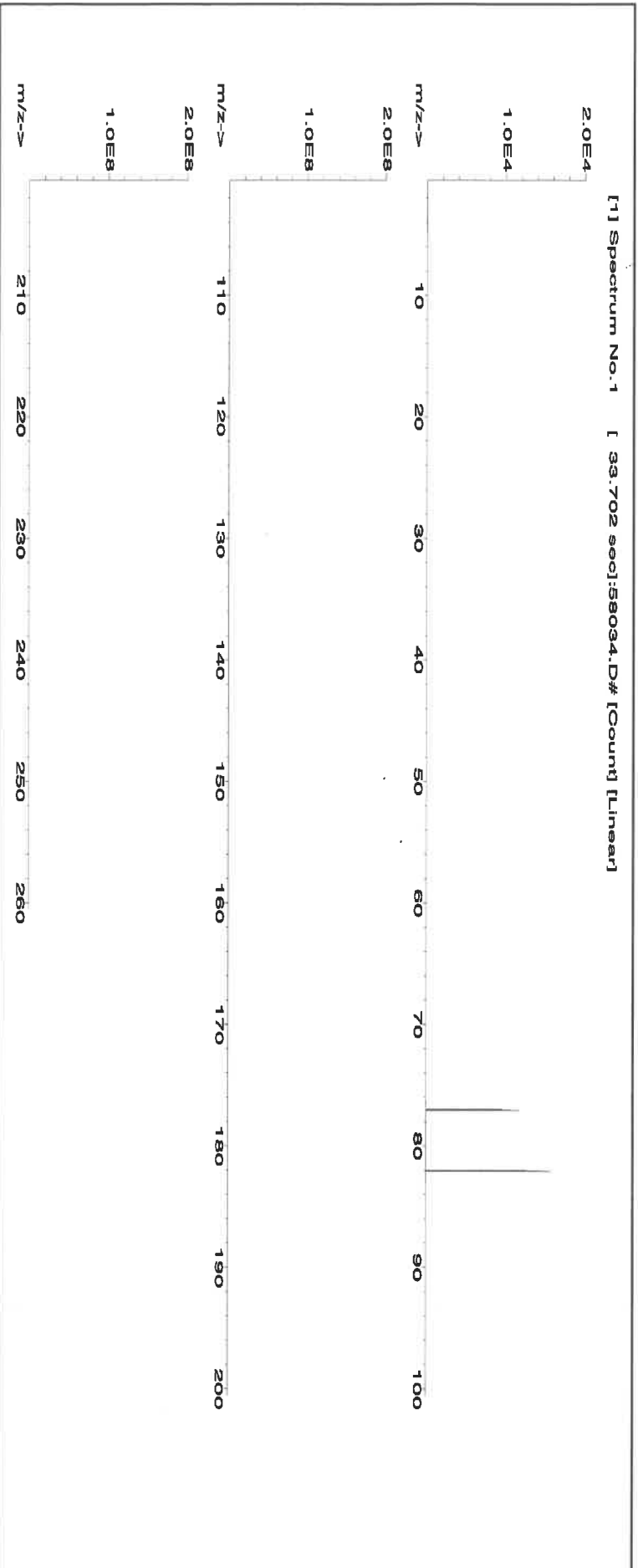
Expiration Date: **060627**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test Number: **6UTB**
Volume shown below was diluted to (mL): **2000.07**
SE-05 Balance Uncertainty **0.100** Flask Uncertainty

Formulated By:	Benson Chan	060624
Reviewed By:	Pedro L. Rantas	060624

SDS Information

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)	LDSO	NIST SRM
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1. Selenium (Se)	58134	071223	0.1000	200.0	0.084	1000	10002.5	1000.0	2.2	7782-49-2	0.2 mg/m3	or-tral 6700 mg/kg	3149
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Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	T	Tb	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	U	<0.02
As	<0.2	Ce	<0.02	Bu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Ru	<0.02	Na	<0.2	Th	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Sr	<0.02	S	<0.02	Tm	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	Ta	<0.02	Sn	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02		<0.02	Ti	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

Certificate of Analysis

M5976, M5977

R: 02/22/24

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).



2.0 PRODUCT DESCRIPTION

Product Code: Single Analyte Custom Grade Solution
Catalog Number: CGMO1
Lot Number: T2-MO720876
Matrix: H2O
tr. NH4OH
Value / Analyte(s): 1 000 µg/mL ea:
Molybdenum
Starting Material: Ammonium Molybdate
Starting Material Lot#: 2361
Starting Material Purity: 99.9893%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 998 ± 7 µg/mL
Density: 1.000 g/mL (measured at 20 ± 4 °C)
Assay Information:

Assay Method #1 998 ± 4 µg/mL
ICP Assay NIST SRM 3134 Lot Number: 130418

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{CRM/RM} = \sum (w_i) (X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{char i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance.

$$w_i = (1/u_{char i}^2) / (\sum (1/u_{char i}^2))$$

$$CRM/RM \text{ Expanded Uncertainty } (\pm) = U_{CRM/RM} = k (u_{char}^2 + u_{bb}^2 + u_{lts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char} = [\sum (w_i)^2 (u_{char i}^2)]^{1/2}$ where $u_{char i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$$X_{CRM/RM} = (X_a) (u_{char a})$$

X_a = mean of Assay Method A with

$u_{char a}$ = the standard uncertainty of characterization Method A

$$CRM/RM \text{ Expanded Uncertainty } (\pm) = U_{CRM/RM} = k (u_{char a}^2 + u_{bb}^2 + u_{lts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000590	M	Eu	<	0.000300	M	Na		0.000879	M	Se	<	0.008000	M	Zn		0.000598
M	Al		0.000563	M	Fe	<	0.006500	M	Nb	<	0.029000	i	Si	<		M	Zr	<	0.001800
M	As	<	0.002100	M	Ga	<	0.000300	i	Nd	<		M	Sm	<	0.000300				
M	Au	<	0.000300	M	Gd	<	0.000300	M	Ni	<	0.008000	M	Sn	<	0.008900				
M	B	<	0.003300	M	Ge	<	0.000300	M	Os	<	0.000590	M	Sr		0.000175				
M	Ba		0.001689	M	Hf	<	0.001800	i	P	<		M	Ta	<	0.004200				
M	Be	<	0.000890	M	Hg	<	0.003300	M	Pb	<	0.000300	M	Tb	<	0.000300				
M	Bi	<	0.000890	M	Ho	<	0.000300	M	Pd	<	0.001800	M	Te	<	0.021000				
O	Ca		0.006334	M	In	<	0.032000	M	Pr	<	0.013000	M	Th	<	0.000300				
O	Cd	<	0.026000	M	Ir	<	0.000300	M	Pt	<	0.000300	O	Tl	<	0.032000				
M	Ce	<	0.008300	M	K		0.130213	M	Rb		0.004575	M	Tl		0.001266				
M	Co		0.000598	M	La	<	0.000300	M	Re	<	0.000300	M	Tm	<	0.000300				
M	Cr		0.000527	O	Li		0.000059	M	Rh	<	0.000300	M	U	<	0.005300				
M	Cs		0.000527	M	Lu	<	0.000300	M	Ru	<	0.079000	M	V	<	0.000890				
M	Cu		0.002252	M	Mg		0.000563	i	S	<		M	W		0.087982				
M	Dy	<	0.000300	M	Mn	<	0.005900	M	Sb		0.001513	M	Y	<	0.000300				
M	Er	<	0.000300	s	Mo	<		M	Sc	<	0.001200	M	Yb	<	0.000300				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 95.94 +6 6,7,8,9

[MoO4]-2(chemical form as received)

Chemical Compatibility -Mo is received in a NH4OH matrix giving the operator the option of using HCl or HF to stabilize acidic solutions. The [MoO4]-2 is soluble in concentrated HCl [MoOCl5]-2, dilute HF / HNO3 [MoOF5]-2 and basic media [MoO4]-2. Stable at ppm levels with some metals provided it is fluorinated. Do not mix with Alkaline or Rare Earths when HF is present. Stable with most inorganic anions provided it is in the [MoO4]-2 chemical form.

Stability - 2-100 ppb levels stable (alone or mixed with all other metals that are at comparable levels) as the [MoOF5]-2 for months in 1% HNO3 / LDPE container. 1-10,000 ppm single element solutions as the [MoO4]-2 chemically stable for years in 1% NH4OH in a LDPE container.

Mo Containing Samples (Preparation and Solution) -Metal (Soluble in HF / HNO3 or hot dilute HCl); Oxide (soluble in HF or NH4OH) ; Organic Matrices (Dry ash at 450EC in Pt0 and dissolve oxide with HF or HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 95 amu	3 ppt	n/a	40Ar39K16O,79Br16O,190Os2+,190Pt2+
ICP-OES 202.030 nm	0.008 / 0.0002 µg/mL	1	Os, Hf
ICP-OES 203.844 nm	0.012 / 0.002 µg/mL	1	
ICP-OES 204.598 nm	0.012 / 0.001 µg/mL	1	Ir, Ta

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.569.6799; 540.585.3030, Fax: 540.585.3012; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Supervisor, Product Documentation



Certificate Approved By:

Michael Booth
Director, Technical



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an UHPA-filtered Clean Room. An UHPA-filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M Ag	<	0.000536	M Eu	<	0.000268	O Na	<	0.032670	M Se	<	0.001204	O Zn	<	0.003267
O Al	<	0.000872	O Fe	<	0.003225	O Nb	<	0.043560	O Si	<	0.004735	O Zr	<	0.043560
M As	<	0.008586	M Ga	<	0.000268	M Nd	<	0.000268	M Sm	<	0.000268			
M Au	<	0.004577	M Gd	<	0.000268	O Ni	<	0.010890	M Sn	<	0.000986			
O B	<	0.008929	M Ge	<	0.002146	M Os	<	0.000269	O Sr	<	0.000986			
M Ba	<	0.002683	M Hf	<	0.002161	O P	<	0.054450	M Ta	<	0.010560			
M Be	<	0.005366	M Hg	<	0.003231	M Pb	<	0.001073	M Tb	<	0.000268			
M Bi	<	0.001609	M Ho	<	0.000268	M Pd	<	0.000268	M Th	<	0.001341			
O Ca	<	0.000676	M In	<	0.002683	M Pr	<	0.000268	M Tl	<	0.053663			
M Cd	<	0.000268	M Ir	<	0.000269	M Pt	<	0.000536	S Tl	<				
M Co	<	0.000268	M K	<	0.001172	M Rb	<	0.000268	M Ti	<	0.000268			
M Cr	<	0.000752	O Li	<	0.000268	M Re	<	0.000268	M Tm	<	0.000268			
M Cs	<	0.000268	M Lu	<	0.000268	M Rh	<	0.000268	M U	<	0.000268			
O Cu	<	0.010890	O Mg	<	0.005445	I S	<	0.006976	M Y	<	0.002146			
M Dy	<	0.000268	O Mn	<	0.003267	M Sb	<	0.004900	M Yb	<	0.000536			
M Er	<	0.000268	M Mo	<	0.000774	O Sc	<							

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 47.87 ± 4.6 Ti(F)₆-2 media. Unstable at ppm levels with metals that would pull F- away (i.e. Do not mix with Alkaline or Rare Earths or high levels of transition elements unless they are fluorinated). Stable with most inorganic anions with a tendency to hydrolyze forming the hydrated oxide in all dilute acids except HF.

Stability - 2-100 ppb levels stable (Alone or mixed with all other metals) as the Ti(F)₆-2 for months in 1% HNO₃ / LDPE container. 1-10,000 ppm single element solutions as the Ti(F)₆-2 chemically stable for years in 2-5% HNO₃ / trace HF in an LDPE container.

TI Containing Samples (Preparation and Solution) - Metal (Soluble in H₂O / HF caution - powder reacts violently). Oxide - low temperature history anatase or rutile (Dissolved by heating in 1:1:1 H₂O / HF / H₂SO₄); K₂SiO₇ - no KF if silica not present); Organic Matrices (Dry ash at 450EC in P10 and dissolve by heating with 1:1:1 H₂O / HF / H₂SO₄ or fuse ash with pyrosulfate if oxide is as plastic pigment and likely in brookite crystaline form).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	14 ppt
ICP-MS 48 amu	N/A	
ICP-OES 323.452 nm	0.0054 / 0.00092 µg/mL	1
ICP-OES 334.941 nm	0.0038 / 0.00028 µg/mL	1
ICP-OES 336.121 nm	0.0053 / 0.00034 µg/mL	1

HF Note: This standard should not be prepared or stored in glass.

W, Mo, Co
Nb, Ta, Cr, U
Ce, Ar, Ni
Ru
(where X = Zr, Mo,
14N17N2, 36Ar12C,
48Ca, 196X=2
14N16O18O,
32S16O, 32S14N,
N/A

8.0

HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0

HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0

QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, VA 24073, USA; Telephone: 800.868.6786; 540.565.3030; Fax: 540.565.3030; Email: info@inorganicventures.com

11.0

CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 17, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 17, 2027

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date:

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0

NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozlikowski
Manager, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Paul Gaines

80978



MS981

R:6/11/24



CERTIFIED WEIGHT REPORT:

Part Number:
Lot Number:
Description:

57092
060724
Uranium (U)

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test Number:

060727
Ambient (20 °C)
1000
6UTB

Volume shown below was diluted to (mL): 2000.07

5E-05 Balance Uncertainty
0.100 Flask Uncertainty

Lot #

24002546

Solvent:

Nitric Acid
2.0% Nitric Acid
40.0 (mL)

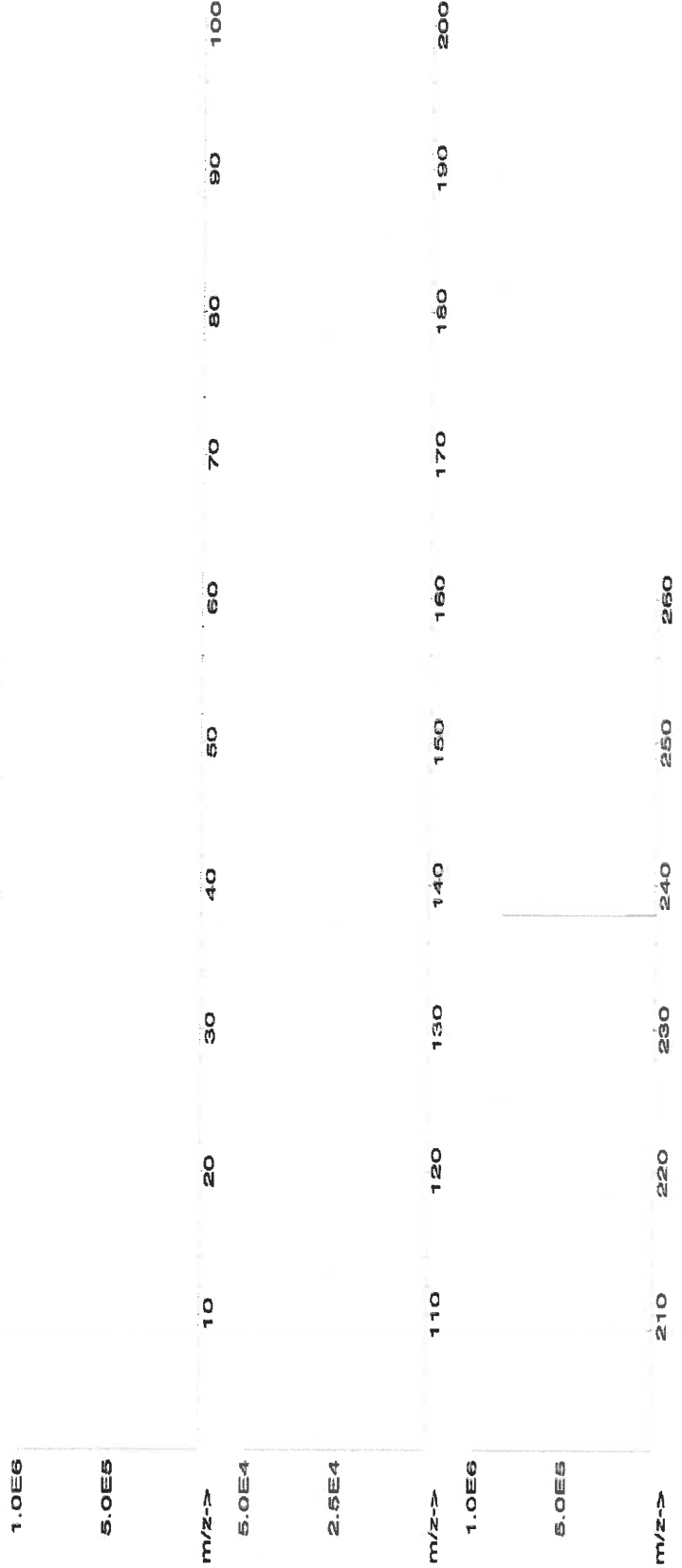
<i>Giovanni Esposito</i>	
Formulated By:	Giovanni Esposito
<i>Pedro L. Rentas</i>	
Reviewed By:	Pedro L. Rentas

SDS Information

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	(Solvent Safety Info. On Attached pg.)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
----------	-------------	------------	-----------------	-------------------	--------------------------	-----------------------	-----------------------	---------------------	----------------------------------	--	------	----------------	------	----------

1. Uranyl nitrate hexahydrate (U) 58192 041524 0.1000 200.0 0.084 1000 10001.5 1000.0 2.2 13620-83-7 0.05 mg/m3 orl-rat 1040 mg/kg 3164

[1] Spectrum No.1 [23.264 sec]:57092.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)																			
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.02	Os	<0.01	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.2	Fe	<0.02	Hg	<0.2	P	<0.2	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

[Signature]

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

7236 673 3.67



145983

R: 6/11/24

CERTIFIED WEIGHT REPORT:

Part Number:
Lot Number:
Description:

57040
071423
Zirconium (Zr)

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test Number:

071426
Ambient (20 °C)
1000
6UTB

Volume shown below was diluted to (mL): 2000.02

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Lot # Solvent:
21110221 Nitric Acid

2.0% Nitric Acid
40.0 (mL)

Formulated By:	Benson Chan
Reviewed By:	Pedro L. Rentas

Expanded
Uncertainty
+/- (µg/mL)

Final
Conc. (µg/mL)

SDS Information
(Solvent Safety Info. On Attached pg.)

CAS# OSHA PEL (TWA) LD50

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Zirconyl chloride octahydrate (Zr)	58140	070621	0.1000	200.0	0.084	1000	10000.3	1000.0	2.2	13520-92-8	NA	NA	NA

[1] Spectrum No.1 [41.153 sec]:57040.D# [Count] [Linear]

1.OE6

5.OE5

m/z-->

1.OE8

5.OE7

m/z-->

1.OE8

5.OE7

m/z-->



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS ($\mu\text{g/mL}$)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.02	Os	<0.01	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.2	Fe	<0.02	Hg	<0.2	P	<0.2	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.02	Sc	<0.2	Ta	<0.02	Ti	<0.02	Zr	<0.02
																			T

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

[Signature]

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

R: 2/22/2024
M5999

P: 800-669-6799/540-585-3030

F: 540-585-3012

info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).



2.0 PRODUCT DESCRIPTION

Product Code: Multi Analyte Custom Grade Solution
Catalog Number: CLPP-SPK-1
Lot Number: T2-MEB721963
Matrix: 7% (v/v) HNO₃
Value / Analyte(s):
2 000 µg/mL ea:
Aluminum, Barium,
1 000 µg/mL ea:
Iron,
500 µg/mL ea:
Manganese, Nickel,
Vanadium, Zinc,
Cobalt,
250 µg/mL ea:
Copper,
200 µg/mL ea:
Chromium,
50 µg/mL ea:
Beryllium, Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	2 000 ± 7 µg/mL	Barium, Ba	2 000 ± 9 µg/mL
Beryllium, Be	50.00 ± 0.26 µg/mL	Chromium, Cr	200.0 ± 1.1 µg/mL
Cobalt, Co	500.0 ± 2.4 µg/mL	Copper, Cu	250.0 ± 1.0 µg/mL
Iron, Fe	1 000 ± 4 µg/mL	Manganese, Mn	500.0 ± 2.0 µg/mL
Nickel, Ni	500.0 ± 2.2 µg/mL	Silver, Ag	50.00 ± 0.22 µg/mL
Vanadium, V	500.0 ± 2.2 µg/mL	Zinc, Zn	500.0 ± 2.2 µg/mL

Density: 1.070 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
V	IC Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{CRM/RM} = \sum(w_i)(X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$$w_i = (1/u_{char\ i}^2) / (\sum(1/u_{char\ i}^2))$$

$$CRM/RM \text{ Expanded Uncertainty } (\pm) = U_{CRM/RM} = k(u_{char}^2 + u_{bb}^2 + u_{lts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char} = [\sum(w_i)^2(u_{char\ i})^2]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$$X_{CRM/RM} = (X_a)(u_{char\ a})$$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$$CRM/RM \text{ Expanded Uncertainty } (\pm) = U_{CRM/RM} = k(u_{char\ a}^2 + u_{bb}^2 + u_{lts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.
- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.
- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

Note: This solution contains Silver (Ag), please refer to our Sample Preparation Guide for more information.

<https://www.inorganicventures.com/sample-preparation-guide/samples-containing-silver>

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 27, 2022

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 27, 2027

- The date after which this CRM/RM should not be used.
- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



18/19/24, M6055

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030

F: 540-585-3012

info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories".

Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).



2.0 PRODUCT DESCRIPTION

Product Code: Multi Analyte Custom Grade Solution
Catalog Number: IV-STOCK-12
Lot Number: U2-MEB734294
Matrix: 5% (v/v) HNO₃
Value / Analyte(s): 10 µg/mL ea:
Barium, Beryllium,
Bismuth, Cerium,
Cobalt, Indium,
Lithium, Nickel,
Lead, Uranium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Barium, Ba	10.01 ± 0.04 µg/mL	Beryllium, Be	10.01 ± 0.05 µg/mL
Bismuth, Bi	10.01 ± 0.06 µg/mL	Cerium, Ce	10.01 ± 0.04 µg/mL
Cobalt, Co	10.01 ± 0.05 µg/mL	Indium, In	10.01 ± 0.04 µg/mL
Lead, Pb	10.00 ± 0.04 µg/mL	Lithium, Li	10.01 ± 0.04 µg/mL
Nickel, Ni	10.01 ± 0.04 µg/mL	Uranium, U	10.01 ± 0.05 µg/mL

Density: 1.025 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ba	ICP Assay	3104a	140909
Ba	Calculated		See Sec. 4.2
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Bi	ICP Assay	3106	180815
Ce	ICP Assay	3110	160830
Ce	EDTA	928	928
Ce	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Calculated		See Sec. 4.2
Li	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Ni	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2
U	ICP Assay	traceable to 3164	R2-U689597
U	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{\text{CRM/RM}}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{\text{CRM/RM}} = \sum (w_i) (X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{\text{char } i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$$w_i = (1/u_{\text{char } i}^2) / (\sum (1/u_{\text{char } i}^2))$$

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k (u_{\text{char}}^2 + u_{\text{bb}}^2 + u_{\text{ts}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char}} = [\sum ((w_i)^2 (u_{\text{char } i})^2)]^{1/2}$ where $u_{\text{char } i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{ts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{\text{CRM/RM}}$, where one method of characterization is used is the mean of individual results:

$$X_{\text{CRM/RM}} = (X_a) (u_{\text{char } a})$$

X_a = mean of Assay Method A with

$u_{\text{char } a}$ = the standard uncertainty of characterization Method A

$$\text{CRM/RM Expanded Uncertainty } (\pm) = U_{\text{CRM/RM}} = k (u_{\text{char } a}^2 + u_{\text{bb}}^2 + u_{\text{ts}}^2 + u_{\text{ts}}^2)^{1/2}$$

k = coverage factor = 2

$u_{\text{char } a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{ts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.19 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, <https://www.inorganicventures.com/terms-and-conditions-sale>. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.
- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.
- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.
- For more information, visit www.inorganicventures.com/TCT

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

June 21, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- June 21, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



R → 16/13/24
Met dig

M 6121

Material No.: 9530-33
Batch No.: 0000275677
Manufactured Date: 2020/12/16
Retest Date: 2025/12/15
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.190
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	1
ACS - Free Chlorine (as Cl ₂)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 0.05 ppm	< 0.03
Sulfate (SO ₄)	<= 0.5 ppm	< 0.3
Sulfite (SO ₃)	<= 0.8 ppm	0.3
Ammonium (NH ₄)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	< 0.2
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	29.7
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9530-33

Batch No.: 0000275677

Test	Specification	Result
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0
Trace Impurities – Gold (Au)	≤ 4.0 ppb	< 0.2
Heavy Metals (as Pb)	≤ 100 ppb	< 50
Trace Impurities – Iron (Fe)	≤ 15.0 ppb	< 1
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.5
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	0.2
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	0.4
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	0.1
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	< 0.2
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 2.0
Trace Impurities – Selenium (Se), For Information Only	ppb	1.0
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	< 5.0
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	< 0.9
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.8
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	0.2
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.3
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use

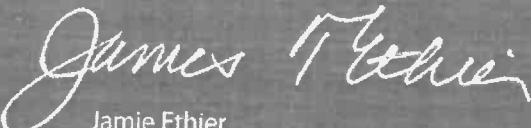
Product Information (not specifications):

Appearance (clear, fuming liquid)

Meets ACS Specifications

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Nitric Acid 69%
CMOS



R → 11/12/24

M6126

Material No.: 9606-03
Batch No.: 24D1062002
Manufactured Date: 2024-03-26
Retest Date: 2029-03-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO ₃)	69.0 – 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	1 ppm
Chloride (Cl)	≤ 0.08 ppm	< 0.03 ppm
Phosphate (PO ₄)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO ₄)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities – Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	2.3 ppb
Trace Impurities – Chromium (Cr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 20 ppb	< 10 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Heavy Metals (as Pb)	≤ 100 ppb	100 ppb
Trace Impurities – Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Nickel (Ni)	≤ 20.0 ppb	< 5.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

 **avantor**TM



Material No.: 9606-03
Batch No.: 24D1062002

Test	Specification	Result
------	---------------	--------

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Croak
Director Quality Operations, Bioscience Production



CERTIFIED WEIGHT REPORT:

Part Number: 58112
Lot # 112124
Description: Magnesium (Mg)
Lot # 24012496
Solvent: Nitric Acid

Expiration Date: 11/21/27
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 10000
NIST Test Number: 6LUB
Weight shown below was diluted to (mL): 2000.07
5E-05 Balance Uncertainty
0.100 Flask Uncertainty

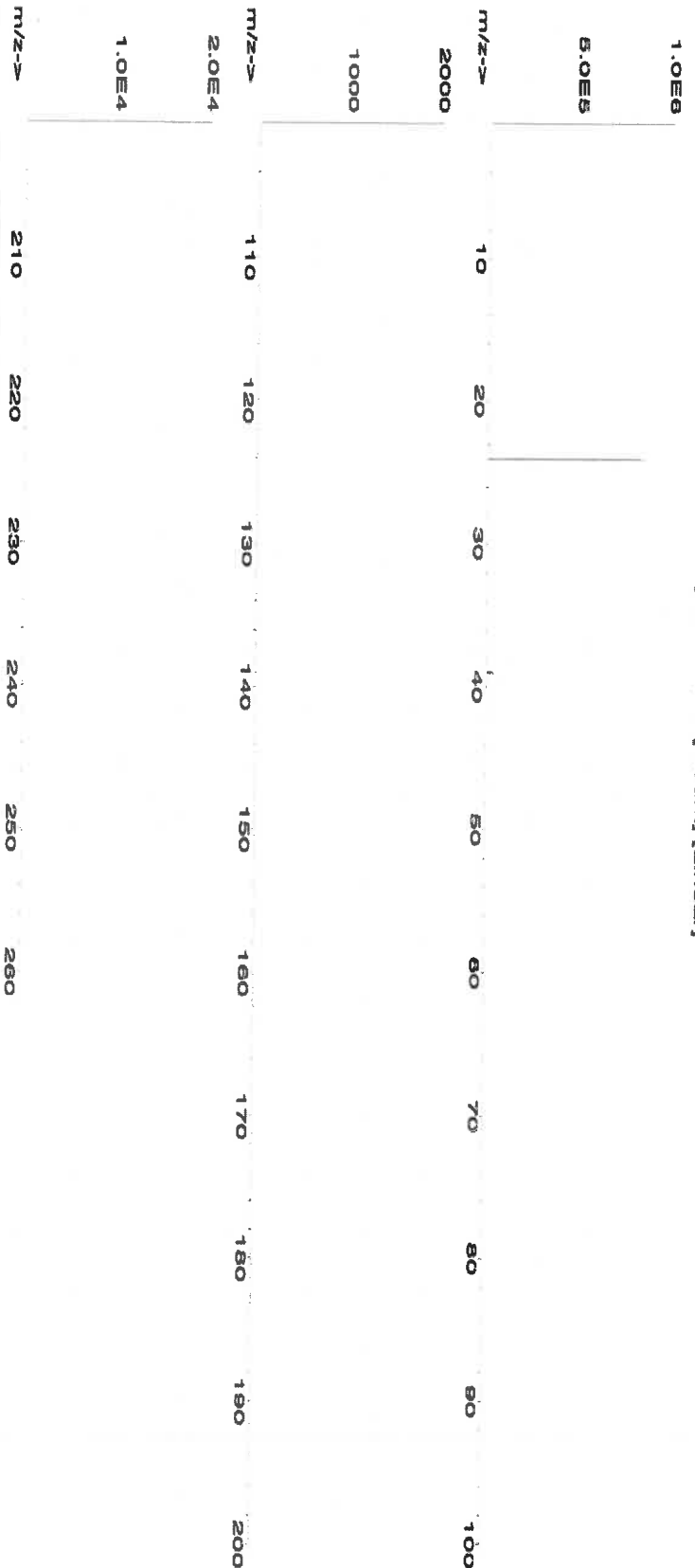
<i>Giovanni Esposito</i>	
Formulated By:	Giovanni Esposito
Reviewed By:	Pedro L. Rentas
	112124

Compound

RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
-----	------------	-----------------------	------------	------------------------	-----------	-------------------	-------------------	----------------------	----------------------------------	------	----------------	------	----------

1. Magnesium nitrate hexahydrate (Mg) IN030 MG000023A1 10000 99.999 0.10 8.51 234.9183 234.9459 10001.2 20.0 13446-18-9 NA off-rat 5440 mg/kg 3131a

[1] Spectrum No. 1 [19.823 sec]:58112.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Rc	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	T	Os	<0.02	Rb	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Ru	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Sm	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sc	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2			Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

Part Number:
Lot Number:
Description:

58025
101124
Manganese (Mn)

R-71113128

Lot #
Solvent: 24002546 Nitric Acid

Expiration Date:

101127

2% 80.0 (mL) Nitric Acid

Recommended Storage:

Ambient (20 °C)

Nominal Concentration (µg/mL):

1000

NIST Test Number:

6UTB

Weight shown below was diluted to (mL):

4000.2

0.10 Flask Uncertainty

SE-05 Balance Uncertainty

<i>Giovanni Esposito</i>	
Formulated By:	Giovanni Esposito
Reviewed By:	<i>Pedro L. Renteria</i>
	101124

Compound

RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
-----	------------	-----------------------	------------	------------------------	-----------	-------------------	-------------------	----------------------	----------------------------------	------	----------------	------	----------

1. Manganese(II) nitrate hydrate (Mn) IN031 MMN032020A1 1000 99.999 0.10 20.8 19.2322 19.2344 1000.1 2.0 15710-66-4 5 mg/m3 or-trt >300mg/kg 3132

[1] Spectrum No.1 [34.243 sec]:57025.D# [Count] [Linear]

5.0E6													
2.5E6													
m/z->	10	20	30	40	50	60	70	80	90	100			
1.0E6													
5.0E7													
m/z->	110	120	130	140	150	160	170	180	190	200			
1.0E6													
5.0E7													
m/z->	210	220	230	240	250	260							



Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	T	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

Part Number: 58111
Lot Number: 122223
Description: Sodium (Na)

Solvent: 24002546 Nitric Acid

Lot #

Expiration Date: 122226

Recommended Storage: Ambient (20 °C)

Nominal Concentration (µg/mL): 10000

NIST Test Number: 6UTB

Weight shown below was diluted to (mL): 3000.4 0.06 Flask Uncertainty

<i>Aleah O Brady</i>	
Formulated By:	Aleah O Brady
Reviewed By:	Pedro L. Rentas
	122223

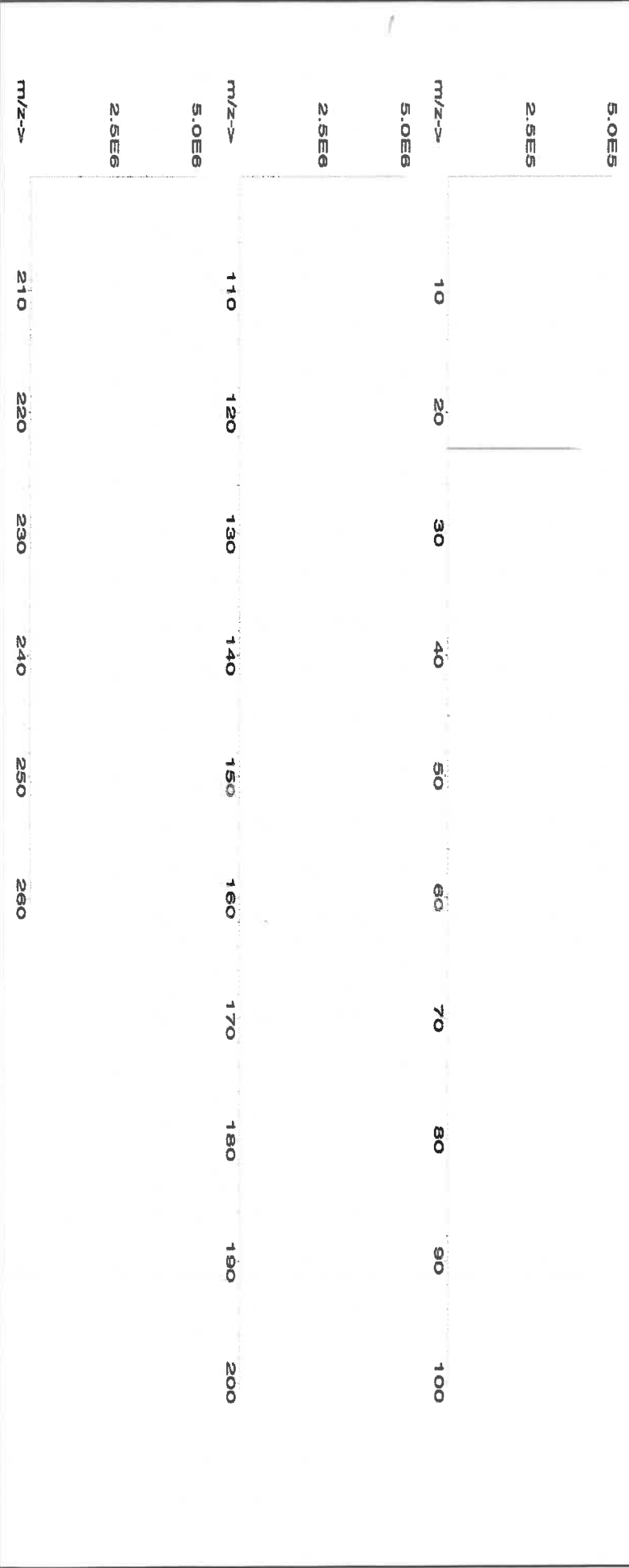
Expanded

SDS Information

Compound	Lot	Nominal	Purity	Uncertainty	Assay	Target	Actual	Actual	Uncertainty	(Solvent Safety Info. On Attached pg.)	NIST
RM#	Number	Conc. (µg/mL)	(%)	Purity (%)	(%)	Weight (g)	Weight (g)	Conc. (µg/mL)	+/- (µg/mL)	CAS#	SRM
										OSHA PEL (TWA)	LD50

1. Sodium nitrate (Na) IN036 NAV01201511 10000 99.999 0.10 26.9 111.5406 111.5479 10000.7 20.0 7631-99-4 5 mg/m3 or-trat 3430 mg/kg 3152a

[1] Spectrum No.1 [8.935 sec]:58111.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Tc	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.02	Tm	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Ti	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
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- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

**2.0 PRODUCT DESCRIPTION**

Product Code: Multi Analyte Custom Grade Solution
Catalog Number: 6020ISS
Lot Number: S2-MEB709511
Matrix: 7% (v/v) HNO₃
Value / Analyte(s): 10 µg/mL ea:
Bismuth, Holmium,
Indium, 6-Lithium,
Rhodium, Scandium,
Terbium, Yttrium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
6-Lithium, Li6	10.00 ± 0.03 µg/mL	Bismuth, Bi	10.00 ± 0.05 µg/mL
Holmium, Ho	10.00 ± 0.05 µg/mL	Indium, In	10.00 ± 0.04 µg/mL
Rhodium, Rh	10.00 ± 0.07 µg/mL	Scandium, Sc	10.00 ± 0.04 µg/mL
Terbium, Tb	10.00 ± 0.04 µg/mL	Yttrium, Y	10.00 ± 0.04 µg/mL

Density: 1.035 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Bi	ICP Assay	3106	180815
Bi	Calculated		See Sec. 4.2
Ho	ICP Assay	3123a	090408
Ho	EDTA	928	928
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Li6	Gravimetric		See Sec. 4.2
Rh	ICP Assay	3144	070619
Sc	ICP Assay	3148a	100701
Sc	EDTA	928	928
Tb	ICP Assay	3157a	100518
Tb	EDTA	928	928
Tb	Calculated		See Sec. 4.2
Y	ICP Assay	3167a	120314
Y	EDTA	928	928
Y	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{CRM/RM} = \sum(w_i)(X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{char i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$$w_i = (1/u_{char i}^2) / (\sum(1/(u_{char i}^2)))$$

$$CRM/RM \text{ Expanded Uncertainty } (\pm) = U_{CRM/RM} = k(u_{char}^2 + u_{bb}^2 + u_{lts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char} = [\sum(w_i^2)(u_{char i}^2)]^{1/2}$ where $u_{char i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$$X_{CRM/RM} = (X_a)(u_{char a})$$

X_a = mean of Assay Method A with

$u_{char a}$ = the standard uncertainty of characterization Method A

$$CRM/RM \text{ Expanded Uncertainty } (\pm) = U_{CRM/RM} = k(u_{char a}^2 + u_{bb}^2 + u_{lts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Lithium Li6	95.6 ± 0.3
Lithium Li7	4.4 ± 0.1

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.
- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.
- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 03, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **September 03, 2026**

- The date after which this CRM/RM should not be used.
- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____
- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director





**QATS LABORATORY INORGANIC REFERENCE MATERIAL
 INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)**

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
 Available Upon Request

(A) SAMPLE DESCRIPTION

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix. **For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) BREAKAGE OR MISSING ITEMS

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
 APTIM Federal Services, LLC
 2700 Chandler Avenue - Building C
 Las Vegas, NV 89120

(C) ANALYSIS OF SAMPLES

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO₃. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO₃. Analyze this ICSAB solution by ICP-MS.

(D) "CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803							
Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[] Indicates analytes that do not require ICP-MS determination in the ICS.

The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.



**QATS LABORATORY INORGANIC REFERENCE MATERIAL
 INTERFERENCE CHECK SAMPLE SET FOR ICP-MS (ICSA WITH ICSB)**

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Heavy Metals
HAZARDOUS MATERIAL

Safety Data Sheets
 Available Upon Request

(A) SAMPLE DESCRIPTION

Enclosed is a set of one (1) or more bottles of an Aqueous Reference Material, each composed of metals at various concentrations and prepared with nitrate salts and oxy-acids of the respective elements in a 5% nitric acid matrix. **For the reference material source in reporting ICSA and ICSAB mixture use "USEPA". For the reference material lot number for the ICSA use "ICSA-0803" and for the ICSAB mixture use "ICSA-0803+ICSB-0803".**

CAUTION: The bottle(s) should be protected from light during storage to ensure the stability of silver which is contained in the ICSB solution. The bottle(s) should be stored at room temperature. **Do not allow the solution(s) to freeze.**

(B) BREAKAGE OR MISSING ITEMS

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to the Contracting Officer, Ross Miller at miller.ross@epa.gov. If directed by Ross Miller, return the chain of custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
 APTIM Federal Services, LLC
 2700 Chandler Avenue - Building C
 Las Vegas, NV 89120

(C) ANALYSIS OF SAMPLES

This interference check sample set is to be used to verify elemental isobaric correction factors of inductively coupled plasma-mass spectrometers (ICP-MS). This reference material set consists of two (2) concentrated solutions. The ICSA solution contains several interferent elements and species; for a complete listing refer to the CLP SOW. The ICSB solution contains the analytes: Ag, As, Sb, Ba, Be, Cd, Co, Cr, Cu, Mn, Ni, Pb, Tl, Se, V, and Zn. This instruction sheet provides the nominal values for the ICP-MS ICS Part A and Part B target analytes when diluted as directed.

Using Class "A" glassware, preparation and analysis must be performed according to the following instructions:

ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO₃. Analyze this solution by ICP-MS.

ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO₃. Analyze this ICSAB solution by ICP-MS.

(D) "CERTIFIED VALUE" CONCENTRATIONS OF QATS ICP-MS ICS SOLUTION(S)

The "Certified Value" concentrations of the elements, listed in Table 1 below, were derived from statistically pooled analysis results from the following sources, if available: QATS Laboratory, CLP laboratories, Quarterly Blind (QB)/Proficiency Testing (PT) events, CLP pre-award events, and external referee laboratories.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803							
Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20.0	[100000]			[100000]		
Sb	2.0	(1.5)	-2.5	5.5	(22.0)	18.0	26.0
As	1.0	(0.1)	-1.9	2.1	19.0	16.2	21.9
Ba	10.0	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1.0	(0)	-2.0	2.0	19.0	16.2	21.9
Cd	1.0	(0.7)	-1.3	2.7	20.0	17.0	23.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2.0	(21.0)	17.0	25.0	40.0	34.0	46.0
Co	1.0	(1.0)	-1.0	3.0	20.0	17.0	23.0
Cu	2.0	(8.0)	4.0	12.0	(25.0)	21.0	29.0
Fe	200	[100000]			[100000]		
Pb	1.0	(4.0)	2.0	6.0	25.0	21.3	28.8
Mg	500	[100000]			[100000]		
Mn	1.0	(7.0)	5.0	9.0	27.0	23.0	31.1
Mo		[2000]			[2000]		
Ni	1.0	(6.0)	4.0	8.0	24.0	20.4	27.6
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5.0	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1.0	(0)	-2.0	2.0	18.0	15.3	20.7
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1.0	(0)	-2.0	2.0	21.0	17.9	24.2
Ti		[2000]			[2000]		
V	5.0	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	5.0	(11.0)	1.0	21.0	(29.0)	19.0	39.0

[] Indicates analytes that do not require ICP-MS determination in the ICS.

The acceptance ranges for all analytes in parentheses in the above table were determined using the listed certified value ± 2 times the associated CLP SOW CRQL. The acceptance ranges for all other analytes were determined using the certified value ± 15 percent of the listed certified value.



R: 01/03/24 M5802 M5803

CERTIFIED WEIGHT REPORT:

Part Number:
Lot Number:
Description:

57051
120523
Antimony (Sb)

Lot #
24002546

Solvent:
Nitric Acid

2.0%

60.0
(mL)

Nitric Acid

Expiration Date:
120526

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test Number:
6U7B

Volume shown below was diluted to (mL):
3000.41

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	120523
Reviewed By:	Pedro L. Renteria	120523

Compound

Part Number
58151

Lot Number
100923

Dilution Factor
0.1000

Initial Vol. (mL)
300.0

Uncertainty
0.084

Nominal Conc. (µg/mL)
1000

Initial Conc. (µg/mL)
10001.4

Final Conc. (µg/mL)
1000.0

Expanded Uncertainty
2.1

(Solvent Safety Info. On Attached Pg.)
CAS#

OSHA PEL (TWA)
LD50

NIST SRM

1. Antimony (Sb)

58151

100923

0.1000

300.0

0.084

1000

10001.4

1000.0

2.1

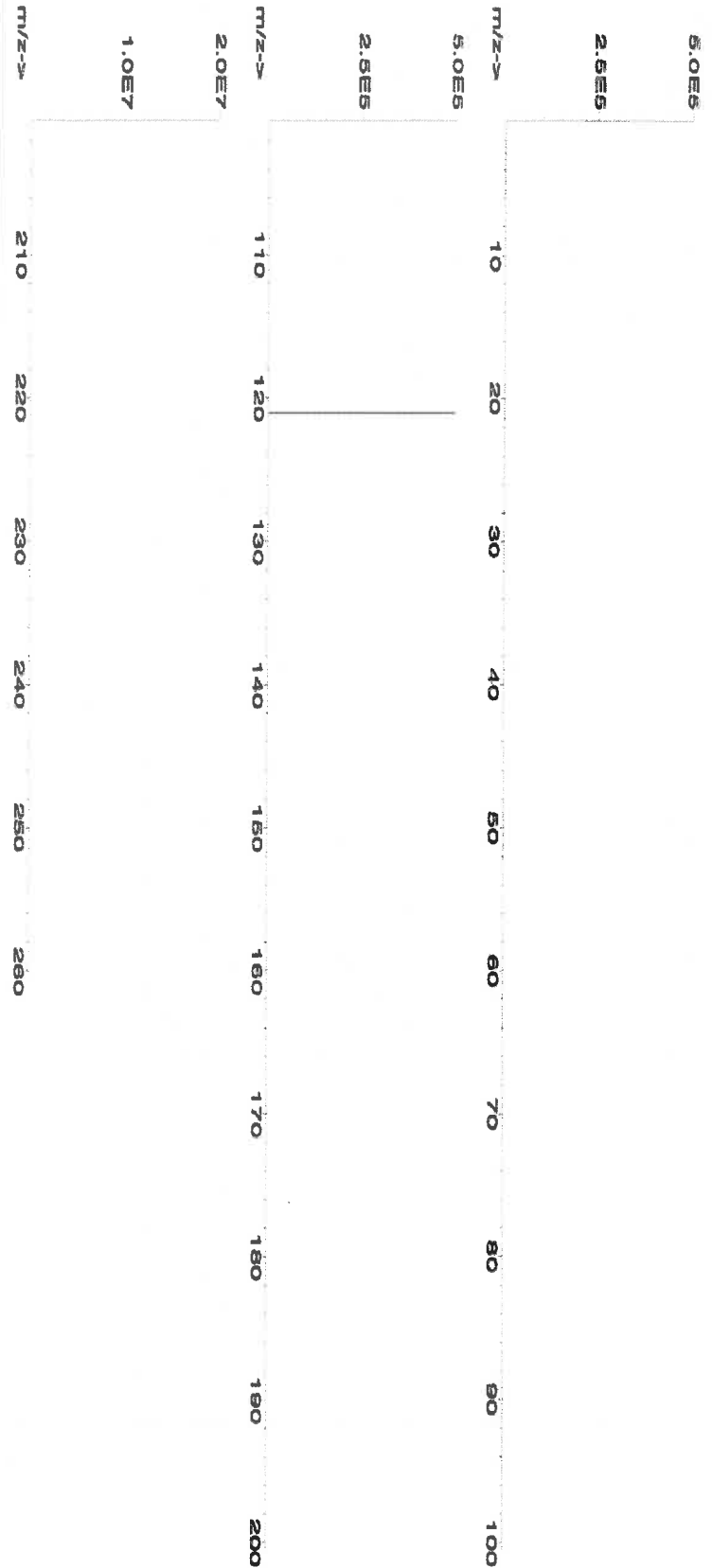
7440-36-0

0.5 mg/m3

or-rel 7000 mg/kg

3102a

[1] Spectrum No.1 [17.964 sec]:58051.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	T	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



M6030



CERTIFIED WEIGHT REPORT:

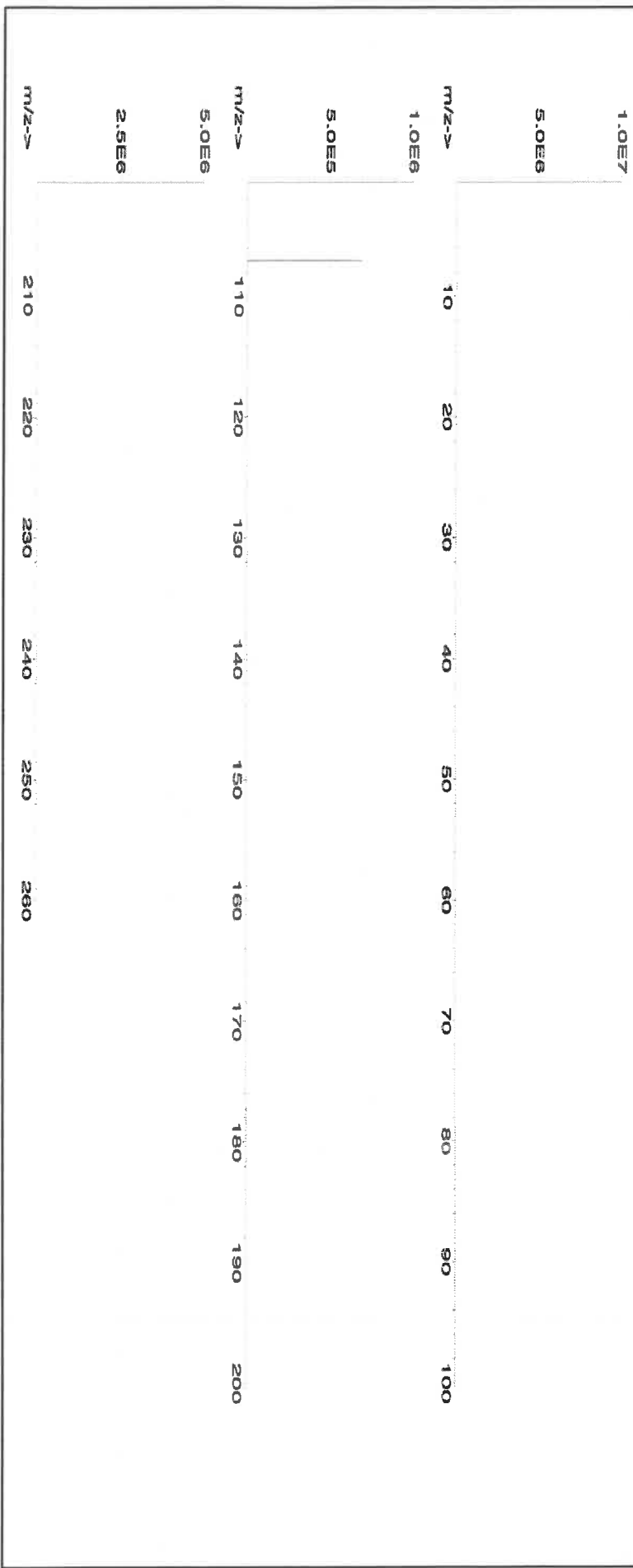
Part Number: 57047
Lot Number: 122823
Description: Silver (Ag)
Solvent: 24002546 Nitric Acid

Expiration Date: 122826
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test Number: 6UTB
Weight shown below was diluted to (mL): 4000.30
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Benson Chan
Reviewed By:	Pedro L. Rentas
122823	

SDS Information									
Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty Purity (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)
1. Silver nitrate (Ag)	IN035	J0612AGA1	1000.0	99.9996	0.10	63.7	6.27992	6.27998	1000.0
							2.0	7761-88-8	10 µg/mL
									NA
									3151

[1] Spectrum No. 1 [14.044 sec]:58147.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	T	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T)= Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 meghm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

R: 8/5/24

M6019

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).



2.0 PRODUCT DESCRIPTION

Product Code: Single Analyte Custom Grade Solution
Catalog Number: CGSR1
Lot Number: U2-SR730227
Matrix: 0.1% (v/v) HNO₃
Value / Analyte(s): 1 000 µg/mL ea:
Strontium
Starting Material: SrCO₃
Starting Material Lot#: M2-2192
Starting Material Purity: 99.9993%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1001 ± 3 µg/mL
Density: 1.000 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	998 ± 4 µg/mL ICP Assay NIST SRM Traceable to 3153a Lot Number: K2-SR650985
Assay Method #2	1001 ± 3 µg/mL EDTA NIST SRM 928 Lot Number: 928
Assay Method #3	1001 ± 2 µg/mL Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$$X_{CRM/RM} = \sum(w_i)(X_i)$$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$$w_i = (1/u_{char\ i})^2 / (\sum(1/u_{char\ i})^2)$$

$$CRM/RM \text{ Expanded Uncertainty } (k) = U_{CRM/RM} = k(u_{char}^2 + u_{bb}^2 + u_{ts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char} = [\sum(w_i)^2(u_{char\ i})^2]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{ts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$$X_{CRM/RM} = (X_a)(u_{char\ a})$$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

$$CRM/RM \text{ Expanded Uncertainty } (k) = U_{CRM/RM} = k(u_{char\ a}^2 + u_{bb}^2 + u_{ts}^2 + u_{ts}^2)^{1/2}$$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{ts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.001980	M	Eu	<	0.000495	O	Na	0.000200	M	Se	<	0.013862	O	Zn	0.000143
O	Al	0.000370	O	Fe	0.000410	M	Nb	<	0.000495	i	Si	<		M	Zr	<	0.000495
M	As	<	0.000495	M	Ga	<	0.000495	M	Nd	<	0.000495	M	Sm	<	0.000495		
M	Au	<	0.000989	M	Gd	<	0.000495	O	Ni	<	0.007631	M	Sn	<	0.000990		
M	B	<	0.039606	M	Ge	<	0.000495	M	Os	<	0.000494	s	Sr	<			
M	Ba	0.006486	M	Hf	<	0.000495	i	P	<		M	Ta	<	0.000495			
M	Be	<	0.000990	M	Hg	<	0.000989	M	Pb	<	0.002970	M	Tb	<	0.000495		
M	Bi	<	0.000495	M	Ho	<	0.000495	M	Pd	<	0.003957	M	Te	<	0.027724		
O	Ca	0.004255	M	In	<	0.000495	M	Pr	<	0.000495	M	Th	<	0.000990			
M	Cd	0.001339	M	Ir	<	0.000494	M	Pt	<	0.002970	M	Ti	<	0.005940			
M	Ce	<	0.004950	O	K	<	0.008184	M	Rb	<	0.002970	M	Tl	<	0.000495		
M	Co	<	0.000495	M	La	<	0.000495	M	Re	<	0.000495	M	Tm	<	0.000495		
O	Cr	<	0.003207	O	Li	<	0.000884	O	Rh	<	0.012829	M	U	<	0.001485		
M	Cs	<	0.000990	M	Lu	<	0.002970	M	Ru	<	0.000989	M	V	<	0.001980		
M	Cu	0.000099	O	Mg	0.000064	i	S	<		M	W	<	0.003960				
M	Dy	<	0.000495	O	Mn	0.000066	M	Sb	<	0.014852	O	Y	<	0.000995			
M	Er	<	0.000495	M	Mo	<	0.001980	M	Sc	<	0.001980	M	Yb	<	0.000495		

M - Checked by ICP-MS

O - Checked by ICP-OES

i - Spectral Interference

n - Not Checked For

s - Solution Standard Element

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, <https://www.inorganicventures.com/terms-and-conditions-sale>. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.
- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.
- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit www.inorganicventures.com/TCT

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 87.62 +2 6 Sr(H₂O)₆+2

Chemical Compatibility - Soluble in HCl, and HNO₃. Avoid H₂SO₄, HF and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicate, carbonate, hydroxide, oxide, fluoride, sulfate, oxalate, chromate, arsenate and tungstate in neutral aqueous media.

Stability - 2-100 ppb levels stable for months in 1% HNO₃ / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1 - 3.5% HNO₃ / LDPE container.

Sr Containing Samples (Preparation and Solution) -Metal (Best dissolved in diluted HNO₃); Ores (Carbonate fusion in PtO followed by HCl dissolution); Organic Matrices (Dry ash and dissolution in dilute HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 88 amu	1200 ppt	N/A	72Ge16O, 176Yb+2, 176Lu+2 , 176Hf+2
ICP-OES 407.771 nm	0.0004 / 0.00006 µg/mL	1	U, Ce
ICP-OES 421.552 nm	0.0008 / 0.00004 µg/mL	1	Rb
ICP-OES 460.733 nm	0.07 / 0.003 µg/mL	1	Ce

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; info@inorganicventures.com;

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

March 03, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- March 03, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Thomas Kozikowski
Manager, Quality Control



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director





CERTIFIED WEIGHT REPORT:

R: 03/16/23 MS473 MS474 MS475 MS476

Lot #

Part Number:

56138

Solvent:

20510011 Nitric Acid

Lot Number:

082922

Description:

Strontium (Sr)

Expiration Date:

082925

2%

20.0

Nitric Acid

Recommended Storage:

Ambient (20 °C)

Nominal Concentration (µg/mL):

10000

NIST Test Number:

6UTB

5E-05 Balance Uncertainty

Weight shown below was diluted to (mL):

1000.12

0.058 Flask Uncertainty

Formulated By:	Lawrence Barry	082922
Reviewed By:	Pedro L. Renteria	082922

SDS Information

Compound

RM#

Lot

Number

Nominal

Purity (%)

Purity Uncertainty (%)

Assay (%)

Target

Weight (g)

Actual

Weight (g)

Actual

Conc. (µg/mL)

Expanded

Uncertainty

+/-(µg/mL)

CAS#

OSHA PEL (TWA)

LD50

SRM

1. Strontium nitrate (Sr)

IN017 SR2022018A1

10000

99.997

0.10

41.2

24.2756

24.2758

10000.1

20.0

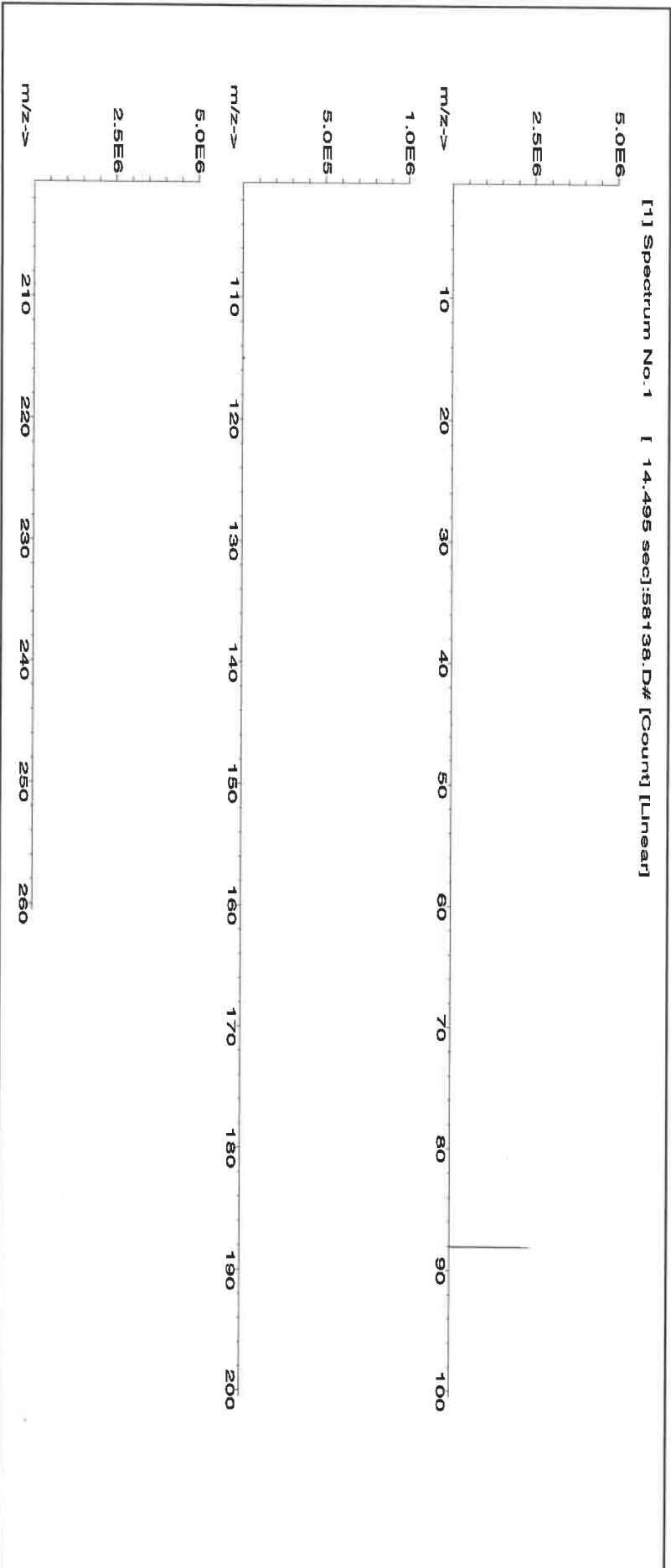
10042-76-9

NA

or-rat >2000mg/kg

3153a

[1] Spectrum No. 1 [14.495 sec]: 56138.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS ($\mu\text{g/mL}$)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	T	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



CERTIFIED WEIGHT REPORT:

Part Number: 57081
Lot Number: 062724
Description: Thallium (TI)

Lot #

Solvent: 24002546 Nitric Acid

2% 40.0 Nitric Acid (mL)

Expiration Date:

062727

Recommended Storage: Ambient (20 °C)

Nominal Concentration (µg/mL):

1000

NIST Test Number:

6UTB

Weight shown below was diluted to (mL): 2000.1

5E-05 Balance Uncertainty
0.10 Flask Uncertainty

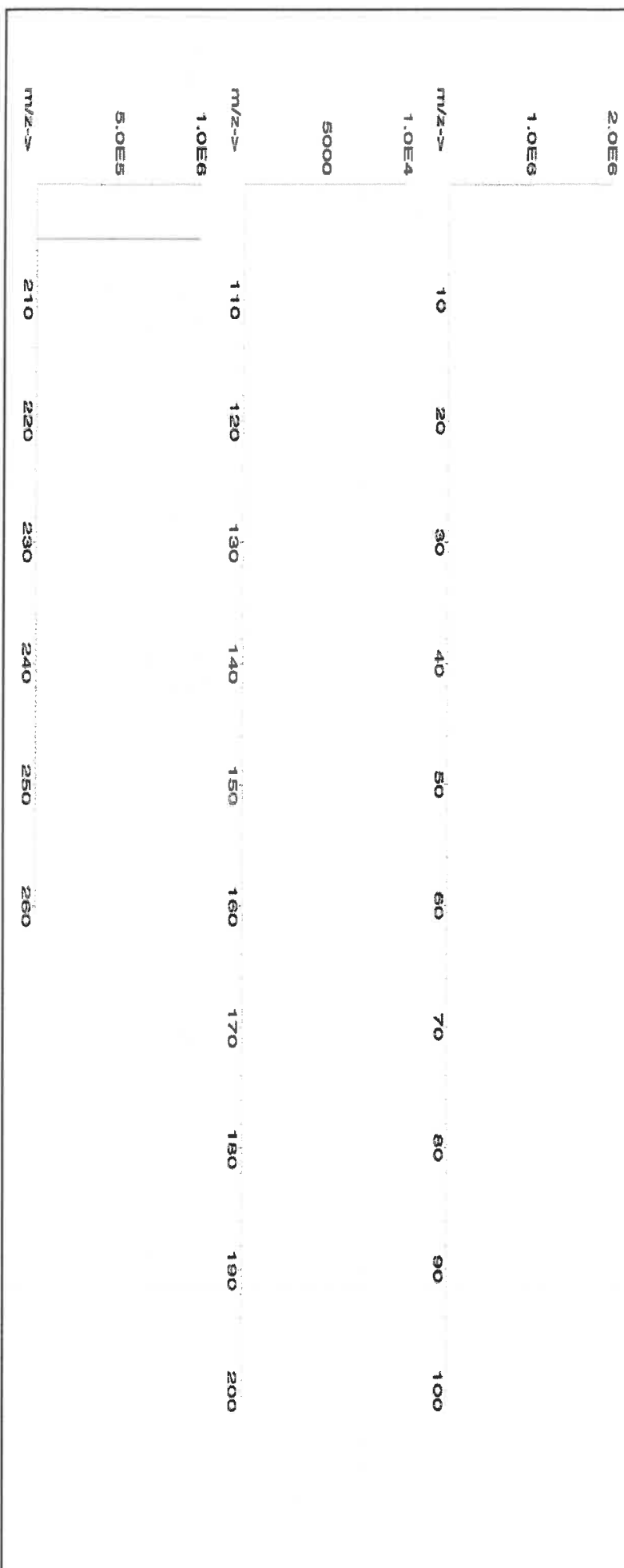
<i>Aleah O'Brady</i>	
Formulated By:	Aleah O'Brady
	062724
Reviewed By:	<i>Pedro L. Renteria</i>
	Pedro L. Renteria
	062724

SDS Information

Compound	Lot Number	Nominal Conc. (µg/mL)	Purity (%)	Uncertainty (%)	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
----------	------------	-----------------------	------------	-----------------	-----------	-------------------	-------------------	----------------------	----------------------------------	------	----------------	------	----------

1. Thallium nitrate (TI) IN037 BCCF4399 1000 99.999 0.10 77.0 2.5975 2.5977 1000.1 2.0 10102-45-1 0.1 mg/m3 orl-mus 15mg/kg 3158

[1] Spectrum No.1 [14.044 sec]:57081.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pt	<0.02	Sc	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	T	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Tm	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Ru	<0.02	Sr	<0.02	Sn	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Ti	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Se	<0.02	Ta	<0.02			Zr	<0.02

(T) = Target analyte

Physical Characterization:

Certified by:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).



Certified Reference Material CRM

M6021



CERTIFIED WEIGHT REPORT:

Part Number: **57023**
Lot Number: **062424**
Description: **Vanadium (V)**

Lot # **24002546**
Solvent: **Nitric Acid**

<i>Aleah O'Brady</i>	
Formulated By:	Aleah O'Brady
Reviewed By:	Pedro L. Rantas

<i>Aleah O'Brady</i>	
Formulated By:	Aleah O'Brady
Reviewed By:	Pedro L. Rantas

Expiration Date: **062427**
Recommended Storage: **Ambient (20 °C)**
Nominal Concentration (µg/mL): **1000**
NIST Test Number: **6UTB**

2.0%
40.0 (mL)
Nitric Acid

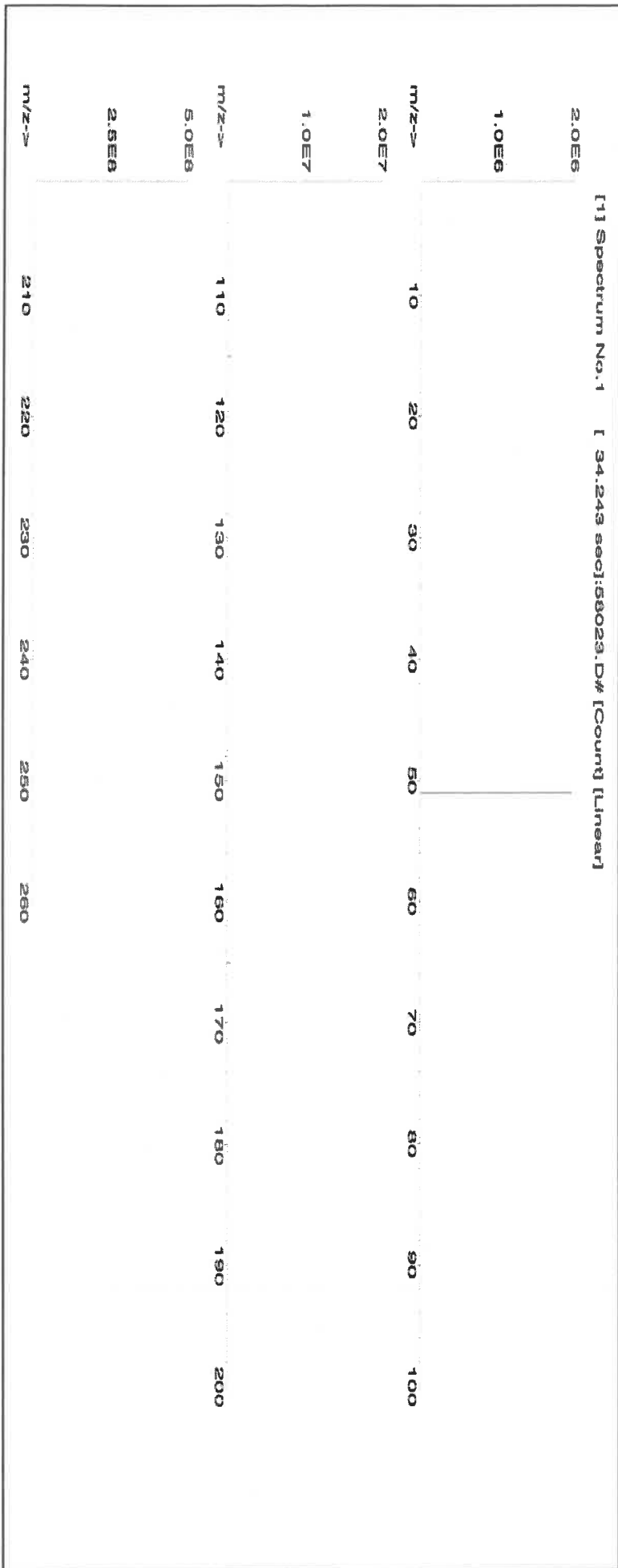
Volume shown below was diluted to (mL): **2000.3**

5E-05 Balance Uncertainty
0.06 Flask Uncertainty

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Nominal Conc. (µg/mL)	Initial Conc. (µg/mL)	Final Conc. (µg/mL)	Expanded Uncertainty +/- (µg/mL)	CAS#	SDS Information (Solvent Safety Info. On Attached pg.)	NIST SRM

1. Ammonium metavanadate (V) 58123 021224 0.1000 200.0 0.084 1000 10000.3 10000.0 2.2 7803-55-6 0.05 mg/m3 or-at 58.1mg/kg 3165

[1] Spectrum No.1 [34.243 sec]:58023.D# [Count] [Linear]





Instrumental Analysis by Inductively Coupled Plasma Mass Spectrometry (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)															
Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Ru	<0.02	Na	<0.2
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	<0.2	P	<0.02	Sr	<0.02	S	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	Ta	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ti	<0.02
														Tb	<0.02
														Te	<0.02
														Tl	<0.02
														Th	<0.02
														Tm	<0.02
														Sn	<0.02
														Ti	<0.02
														W	<0.02
														U	<0.02
														V	T
														Yb	<0.02
														Y	<0.02
														Zn	<0.02
														Zr	<0.02

(T) = Target analyte

Physical Characterization:

Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

- * The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- * Purified acids, 18.2 megohm deionized water, calibrated Class A glassware and the highest purity raw materials are used in the preparation of all standards.
- * All standard containers are meticulously cleaned prior to use.
- * Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- * Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- * All Standards should be stored with caps tight and under appropriate laboratory conditions.
- * Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, D.C. (1994).

SOP ID : M200.8-Trace Elements-22, MSFAM01.1-Metals ICPMS-2

SDG No : MC0AF9

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 01/20/2025 **Time :** 10:35 **Temp :** 96 °C

End Digest Date: 01/20/2025 **Time :** 12:40 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: S/D.

Supervisor Signature: [Signature]

Temp : 1. 96°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
LCSW	0.50	MP84099
Spike Sol. B	0.50	MP84074
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	1.00	MP84041
1:1 HCL	050	MP83499
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#55 : 96

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/20/25 13:40	S/S. met dig.	[Signature]
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB166136BL	PBW136	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	26
PB166136BS	LCS136	<2	50	50	Colorless	Colorless	Clear	Clear	MP84099	27
Q1087-01	MC0AF9	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	28
Q1087-02	MC0AH2	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	29
Q1087-03	MC0AH3	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	30
Q1087-04	MC0AF8	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	31
Q1087-05	MC0AF8D	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	32
Q1087-06	MC0AF8S	<2	50	50	Colorless	Colorless	Clear	Clear	MP84074	33
Q1087-07	MC0AE9	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	34
Q1087-08	MC0AG4	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	35
Q1087-09	MC0AH0	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	36
Q1087-10	MC0AE6	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	37
Q1087-11	MC0AF0	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	38
Q1087-12	MC0AF1	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	39
Q1087-13	MC0AF5	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	40
Q1087-14	MC0AF6	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	41
Q1087-15	MC0AF7	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	42
Q1087-16	MC0AE3	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	43
Q1087-17	MC0AE4	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	44
Q1087-18	MC0AE5	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	45
Q1087-19	MC0AF2	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	46
Q1087-20	MC0AF3	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	47
Q1087-21	MC0AF4	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	48
Q1087-22	MC0AD6	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	49

Instrument ID: P7

Daily Analysis Runlog For Sequence/QC Batch ID # LB134565

Review By	Sarabjit Jaswal	Review On	2/5/2025 6:48:24 PM
Supervise By	Mohan Bera	Supervise On	2/6/2025 11:51:17 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	
LCS Standard	MP84099
Chk Standard	MP84057,MP84056

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE001	TUNE	01/21/25 12:33		Jaswal	OK
2	S00	S0	CAL1	01/21/25 13:27		Jaswal	OK
3	S02	S02	CAL3	01/21/25 13:33		Jaswal	OK
4	S03	S03	CAL4	01/21/25 13:37		Jaswal	OK
5	S04	S04	CAL5	01/21/25 13:40		Jaswal	OK
6	S05	S05	CAL6	01/21/25 13:43		Jaswal	OK
7	S06	S06	CAL7	01/21/25 13:45		Jaswal	OK
8	S07	S07	CAL8	01/21/25 13:48		Jaswal	OK
9	S08	S08	CAL9	01/21/25 13:51		Jaswal	OK
10	ICV001	ICV001	ICV	01/21/25 14:26	Inst. paused for calibration review	Jaswal	OK
11	ICB001	ICB001	ICB	01/21/25 14:32	Inst. paused for review	Jaswal	OK
12	ICSA001	ICSA001	ICSA	01/21/25 14:35		Jaswal	OK
13	ICSAB001	ICSAB001	ICSAB	01/21/25 14:38		Jaswal	OK
14	CCV001	CCV001	CCV	01/21/25 15:00	Inst. paused for reviewf	Jaswal	OK
15	CCB001	CCB001	CCB	01/21/25 15:03		Jaswal	OK
16	P2403-01	LOD-MDL-SOIL-01-Q	SAM	01/21/25 15:10	NOT USE	Jaswal	Not Ok
17	P2403-02	LOQ-SOIL-02-QT2-20	SAM	01/21/25 15:16	NOT USE	Jaswal	Not Ok
18	P2403-16	LLOQ-SOIL-QT2-2024	SAM	01/21/25 15:19	NOT USE	Jaswal	Not Ok

Instrument ID: P7

Daily Analysis Runlog For Sequence/QC Batch ID # LB134565

Review By	Sarabjit Jaswal	Review On	2/5/2025 6:48:24 PM
Supervise By	Mohan Bera	Supervise On	2/6/2025 11:51:17 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073		
ICV Standard	MP84051		
CCV Standard	MP84052		
ICSA Standard	MP84053,MP84054		
CRI Standard			
LCS Standard	MP84099		
Chk Standard	MP84057,MP84056		

19	P2403-07	LOD-MDL-WATER-01	SAM	01/21/25 15:22	NOT USE	Jaswal	Not Ok
20	P2403-08	LOQ-WATER-02-QT2	SAM	01/21/25 15:28	NOT USE	Jaswal	Not Ok
21	P2403-17	LLOQ-WATER-QT2-2	SAM	01/21/25 15:31	NOT USE	Jaswal	Not Ok
22	P2403-10	LOD-MDL-WATER-04	SAM	01/21/25 15:34	NOT USE	Jaswal	Not Ok
23	P2403-11	LOQ-WATER-05-QT2	SAM	01/21/25 15:38	NOT USE	Jaswal	Not Ok
24	P2409-01	MDL-WATER-QT2-20	SAM	01/21/25 15:41	NOT USE	Jaswal	Not Ok
25	CCV002	CCV002	CCV	01/21/25 15:44		Jaswal	OK
26	CCB002	CCB002	CCB	01/21/25 15:47		Jaswal	OK
27	P2409-03	MDL-SOIL-QT2-2024	SAM	01/21/25 15:50	NOT USE	Jaswal	Not Ok
28	PB166399BL	PBW399	MB	01/21/25 15:53	NOT USE	Jaswal	Not Ok
29	PB166400BL	PBS400	MB	01/21/25 16:00	NOT USE	Jaswal	Not Ok
30	PB166399BS	LCS399	LCS	01/21/25 16:12	NOT USE	Jaswal	Not Ok
31	PB166400BS	LCS400	LCS	01/21/25 16:15	NOT USE	Jaswal	Not Ok
32	PB166396BL	PBW396	MB	01/21/25 16:18	NOT USE	Jaswal	Not Ok
33	PB166396BS	LCS396	LCS	01/21/25 16:21	NOT USE	Jaswal	Not Ok
34	PB166397BL	PBS397	MB	01/21/25 16:24	NOT USE	Jaswal	Not Ok
35	PB166397BS	LCS397	LCS	01/21/25 16:27	NOT USE	Jaswal	Not Ok
36	PB166398BL	PBW398	MB	01/21/25 16:30	NOT USE	Jaswal	Not Ok
37	PB166398BS	LCS398	LCS	01/21/25 16:41	NOT USE	Jaswal	Not Ok
38	CCV003	CCV003	CCV	01/21/25 16:44		Jaswal	OK

Instrument ID: P7

Daily Analysis Runlog For Sequence/QC Batch ID # LB134565

Review By	Sarabjit Jaswal	Review On	2/5/2025 6:48:24 PM
Supervise By	Mohan Bera	Supervise On	2/6/2025 11:51:17 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073		
ICV Standard	MP84051		
CCV Standard	MP84052		
ICSA Standard	MP84053,MP84054		
CRI Standard			
LCS Standard	MP84099		
Chk Standard	MP84057,MP84056		

39	CCB003	CCB003	CCB	01/21/25 16:50	Inst. paused for review	Jaswal	OK
40	PB166136BL	PBW136	MB	01/21/25 17:04		Jaswal	OK
41	PB166136BS	LCS136	LCS	01/21/25 17:07		Jaswal	OK
42	Q1087-01	MC0AF9	SAM	01/21/25 17:11		Jaswal	OK
43	Q1087-02	MC0AH2	SAM	01/21/25 17:14		Jaswal	OK
44	Q1087-03	MC0AH3	SAM	01/21/25 17:17		Jaswal	OK
45	Q1087-04	MC0AF8	SAM	01/21/25 17:20		Jaswal	OK
46	Q1087-05	MC0AF8D	DUP	01/21/25 17:23		Jaswal	OK
47	Q1087-04L	MC0AF8L	SD	01/21/25 17:26		Jaswal	OK
48	Q1087-06	MC0AF8S	MS	01/21/25 17:30		Jaswal	OK
49	Q1087-07	MC0AE9	SAM	01/21/25 17:33	Na High	Jaswal	Dilution
50	Q1087-08	MC0AG4	SAM	01/21/25 17:36		Jaswal	OK
51	Q1087-09	MC0AH0	SAM	01/21/25 17:39	Na High	Jaswal	Dilution
52	Q1087-10	MC0AE6	SAM	01/21/25 17:42		Jaswal	OK
53	Q1087-11	MC0AF0	SAM	01/21/25 17:45		Jaswal	OK
54	Q1087-12	MC0AF1	SAM	01/21/25 17:49		Jaswal	OK
55	Q1087-13	MC0AF5	SAM	01/21/25 17:52	Na High	Jaswal	Dilution
56	Q1087-14	MC0AF6	SAM	01/21/25 17:55		Jaswal	OK
57	Q1087-15	MC0AF7	SAM	01/21/25 17:58		Jaswal	OK
58	Q1087-16	MC0AE3	SAM	01/21/25 18:01		Jaswal	OK

Instrument ID: P7

Daily Analysis Runlog For Sequence/QC Batch ID # LB134565

Review By	Sarabjit Jaswal	Review On	2/5/2025 6:48:24 PM
Supervise By	Mohan Bera	Supervise On	2/6/2025 11:51:17 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	
LCS Standard	MP84099
Chk Standard	MP84057,MP84056

59	Q1087-17	MC0AE4	SAM	01/21/25 18:04		Jaswal	OK
60	Q1087-18	MC0AE5	SAM	01/21/25 18:07		Jaswal	OK
61	Q1087-19	MC0AF2	SAM	01/21/25 18:11		Jaswal	OK
62	Q1087-20	MC0AF3	SAM	01/21/25 18:14		Jaswal	OK
63	Q1087-21	MC0AF4	SAM	01/21/25 18:17		Jaswal	OK
64	CCV004	CCV004	CCV	01/21/25 18:26		Jaswal	OK
65	CCB004	CCB004	CCB	01/21/25 18:29		Jaswal	OK
66	Q1087-07DL	MC0AE9	SAM	01/21/25 18:39	2X FOR Na	Jaswal	Confirms
67	Q1087-09DL	MC0AH0	SAM	01/21/25 18:42	2X FOR Na	Jaswal	Confirms
68	Q1087-13DL	MC0AF5	SAM	01/21/25 18:46	2X FOR Na	Jaswal	Confirms
69	CCV005	CCV005	CCV	01/21/25 18:49		Jaswal	OK
70	CCB005	CCB005	CCB	01/21/25 18:52		Jaswal	OK

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Daily Analysis Runlog For Sequence/QC Batch ID # LB134593

Review By	Sarabjit Jaswal	Review On	2/6/2025 8:11:59 AM
Supervise By	Mohan Bera	Supervise On	2/6/2025 11:51:52 AM
STD. NAME	STD REF.#		
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073		
ICV Standard	MP84051		
CCV Standard	MP84052		
ICSA Standard	MP84053,MP84054		
CRI Standard			
LCS Standard			
Chk Standard	MP84057,MP84056		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE004	TUNE	02/04/25 16:48		Jaswal	OK
2	S00	S0	CAL1	02/04/25 17:25		Jaswal	OK
3	S02	S02	CAL3	02/04/25 17:28		Jaswal	OK
4	S03	S03	CAL4	02/04/25 17:31		Jaswal	OK
5	S04	S04	CAL5	02/04/25 17:34		Jaswal	OK
6	S05	S05	CAL6	02/04/25 17:37		Jaswal	OK
7	S06	S06	CAL7	02/04/25 17:40		Jaswal	OK
8	S07	S07	CAL8	02/04/25 17:43		Jaswal	OK
9	S08	S08	CAL9	02/04/25 17:46		Jaswal	OK
10	ICV004	ICV004	ICV	02/04/25 18:02	Inst. paused for calibration review	Jaswal	OK
11	ICB004	ICB004	ICB	02/04/25 18:09	Inst. paused for review	Jaswal	OK
12	ICSA004	ICSA004	ICSA	02/04/25 18:12		Jaswal	OK
13	ICSAB004	ICSAB004	ICSAB	02/04/25 18:15		Jaswal	OK
14	CCV015	CCV015	CCV	02/04/25 18:39	Inst. paused for review	Jaswal	OK
15	CCB015	CCB015	CCB	02/04/25 18:45	Inst. paused for review	Jaswal	OK
16	P4368-01	LOD-MDL-SOIL-01-Q	SAM	02/04/25 18:53	Not Use	Jaswal	Not Ok
17	P4368-03	MDL-SOIL-03-QT4-20	SAM	02/04/25 18:57	Not Use	Jaswal	Not Ok
18	P4368-07	LOD-MDL-WATER-01	SAM	02/04/25 19:00	Not Use	Jaswal	Not Ok

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Supervise By	Mohan Bera	Supervise On	2/6/2025 11:51:52 AM

STD. NAME	STD REF.#
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073
ICV Standard	MP84051
CCV Standard	MP84052
ICSA Standard	MP84053,MP84054
CRI Standard	
LCS Standard	
Chk Standard	MP84057,MP84056

19	P4368-09	MDL-WATER-03-QT4	SAM	02/04/25 19:03	Not Use	Jaswal	Not Ok
20	P4368-10	LOD-MDL-WATER-04	SAM	02/04/25 19:06	Not Use	Jaswal	Not Ok
21	P4368-12	MDL-WATER-06-QT4	SAM	02/04/25 19:10	Not Use	Jaswal	Not Ok
22	P4776-02	MDL-WATER-QT4-20	SAM	02/04/25 19:13	Not Use	Jaswal	Not Ok
23	P4776-04	MDL-SOIL-QT4-2024	SAM	02/04/25 19:16	Not Use	Jaswal	Not Ok
24	PB166507BL	PBW507	MB	02/04/25 19:20	Not Use	Jaswal	Not Ok
25	CCV016	CCV016	CCV	02/04/25 19:26		Jaswal	OK
26	CCB016	CCB016	CCB	02/04/25 19:28		Jaswal	OK
27	PB166507BS	LCS507	LCS	02/04/25 19:48	Not Use	Jaswal	Not Ok
28	PB166509BL	PBS509	MB	02/04/25 19:51	Not Use	Jaswal	Not Ok
29	PB166509BS	LCS509	LCS	02/04/25 19:55	Not Use	Jaswal	Not Ok
30	PB166539BL	PBS539	MB	02/04/25 19:58	Not Use	Jaswal	Not Ok
31	PB166539BS	LCS539	LCS	02/04/25 20:01	Not Use	Jaswal	Not Ok
32	PB166515BL	PBW515	MB	02/04/25 20:04	Not Use	Jaswal	Not Ok
33	PB166515BS	LCS515	LCS	02/04/25 20:07	Not Use	Jaswal	Not Ok
34	PB166519BL	PBW519	MB	02/04/25 20:10	Not Use	Jaswal	Not Ok
35	PB166519BS	LCS519	LCS	02/04/25 20:13	Not Use	Jaswal	Not Ok
36	CCV017	CCV017	CCV	02/04/25 20:16		Jaswal	OK
37	CCB017	CCB017	CCB	02/04/25 20:19		Jaswal	OK
38	Q1087-22	MC0AD6	SAM	02/04/25 20:22	V High	Jaswal	Dilution

Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB134593

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STD. NAME	STD REF.#		
ICAL Standard	MP84042,MP84050,MP84049,MP84047,MP84046,MP84045,MP84044,MP84043,MP84073		
ICV Standard	MP84051		
CCV Standard	MP84052		
ICSA Standard	MP84053,MP84054		
CRI Standard			
LCS Standard			
Chk Standard	MP84057,MP84056		

39	Q1087-22DL	MC0AD6	SAM	02/04/25 20:31	2X For Vi	Jaswal	Confirms
40	CCV018	CCV018	CCV	02/04/25 20:38		Jaswal	OK
41	CCB018	CCB018	CCB	02/04/25 20:40		Jaswal	OK



A Waters Company



Instructions for Catalog # 500QR Water Pollution Trace Metals

Revision 120823

Description:

- This standard is packaged in a 30 mL screw-top vial containing approximately 28 mL of standard concentrate.
- This concentrate is preserved with approximately 2% (v/v) nitric acid and 0.1% (w/v) tartaric acid.
- The concentrate can be stored at room temperature.
- The diluted standard will contain all the analytes listed in the ranges specified on the data reporting form.

Before you begin:

- The sample resulting from the dilution described below will have a nitric acid concentration of approximately 0.02% before any acid is added. You may add a volume of acid different from the 2 to 5 mL of HNO_3 suggested in order to matrix match your calibration standards or meet any other method criteria.
- If analyzing this standard using colorimetric techniques, it may be necessary to pH adjust the sample prior to analysis. If using colorimetric techniques, it is acceptable to omit the addition of the 2-5 mL nitric acid suggested.
- While it is technically not necessary to digest this standard prior to analysis, digestion should be performed if this is your normal procedure.
- This standard should be analyzed as soon as possible after the concentrate is diluted.

Instructions:

1. Add 100-200 mL of deionized water and approximately 2 to 5 mL of nitric acid to a clean 500 mL class A volumetric flask.
2. Shake the Trace Metals vial prior to opening.
3. Using a clean, dry, class A pipet, volumetrically pipet 10.0 mL of the concentrate into the 500 mL volumetric flask.
4. Dilute the flask to final volume (500 mL) with deionized water.
5. Cap the flask and mix well.
6. Immediately analyze the diluted sample by your normal procedures.
7. Report your results as $\mu\text{g/L}$ for the diluted sample.

Safety:

ERA products may be hazardous and are intended for use by professional laboratory personnel trained in the competent handling of such materials. Responsibility for the safe use of these products rests entirely with the buyer and/or user. Safety Data Sheets (SDS) for all ERA products are available through our website.
www.eraqc.com



A Waters Company



Instructions for Catalog #666QR WatR™Supply Mercury

Revision 030512

Description:

- This standard is packaged in a 15 mL screw-top vial containing approximately 14 mL of standard concentrate.
- This concentrate is preserved with approximately 1% (v/v) nitric acid and 0.04% (w/v) potassium dichromate.
- The concentrate can be stored at room temperature.
- The diluted standard will contain Mercury in the range specified on the data reporting form.

Before you begin:

- This standard has been prepared as a concentrate and must be diluted prior to analysis.
- The USEPA *Criteria Document* requires that Mercury be present as a mixture of organic and inorganic forms and must, therefore, be analyzed as Total Mercury.
- This standard should be analyzed as soon as possible after the concentrate is diluted.

Instructions:

1. Add 100-200 mL of deionized water and approximately 2 to 5 mL of nitric acid to a clean 500 mL class A volumetric flask.
2. Shake the Mercury vial prior to opening.
3. Using a clean, dry, class A pipet, volumetrically pipet 5.0 mL of the concentrate into the 500 mL volumetric flask.
4. Dilute the flask to final volume with deionized water.
5. Cap the flask and mix well.
6. Immediately analyze the diluted sample by your normal procedures.
7. Report your results as $\mu\text{g/L}$ for the diluted sample.

Safety:

ERA products may be hazardous and are intended for use by professional laboratory personnel trained in the competent handling of such materials. Responsibility for the safe use of these products rests entirely with the buyer and/or user. Material Safety Data Sheets (MSDS) for all ERA products are available by calling 1-800-372-0122.