

Cover Page

Order ID : Q2085

Project ID : USACE NAB Sediment Project 25

Client : US Army Corp of Engineers

Lab Sample Number

Q2085-01
Q2085-02
Q2085-03
Q2085-04
Q2085-05
Q2085-06
Q2085-07
Q2085-08

Client Sample Number

SC-4-SED-051525
SC-3-SED-051525
SC-2-SED-051525
SC-1-SED-051625
Q2085-04MS
Q2085-04MSD
SC-COMP-SED-051625
DUPE-1-SC

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 5/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2085

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 05/29/2025

LAB CHRONICLE

OrderID:	Q2085	OrderDate:	5/20/2025 11:40:33 AM
Client:	US Army Corp of Engineers	Project:	USACE NAB Sediment Project 25
Contact:	Kendall Rosenberg	Location:	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2085-01	SC-4-SED-051525	SOIL			05/15/25			05/20/25
			Mercury	7471B		05/27/25	05/29/25	
			Metals ICP-Group	6020B		05/21/25	05/21/25	
Q2085-02	SC-3-SED-051525	SOIL			05/15/25			05/20/25
			Mercury	7471B		05/27/25	05/29/25	
			Metals ICP-Group	6020B		05/21/25	05/21/25	
Q2085-03	SC-2-SED-051525	SOIL			05/15/25			05/20/25
			Mercury	7471B		05/27/25	05/29/25	
			Metals ICP-Group	6020B		05/21/25	05/21/25	
Q2085-04	SC-1-SED-051625	SOIL			05/16/25			05/20/25
			Mercury	7471B		05/27/25	05/29/25	
			Metals ICP-Group	6020B		05/21/25	05/21/25	
Q2085-07	SC-COMP-SED-051625	SOIL			05/16/25			05/20/25
			Mercury	7471B		05/27/25	05/29/25	
			Metals ICP-Group	6020B		05/21/25	05/21/25	
Q2085-08	DUPE-1-SC	SOIL			05/16/25			05/20/25
			Mercury	7471B		05/27/25	05/29/25	
			Metals ICP-Group	6020B		05/21/25	05/21/25	

Hit Summary Sheet
SW-846

SDG No.: Q2085 **Order ID:** Q2085
Client: US Army Corp of Engineers **Project ID:** USACE NAB Sediment Project 25

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : SC-4-SED-051525									
Q2085-01	SC-4-SED-051525	SOIL	Aluminum	2200		0.37	1.04	2.08	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Arsenic	3.41		0.012	0.026	0.10	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Barium	4.16		0.034	0.13	1.04	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Beryllium	0.28		0.033	0.078	0.10	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Cadmium	0.052	J	0.019	0.078	0.10	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Calcium	281		4.98	19.8	52.0	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Chromium	5.17		0.027	0.052	0.21	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Cobalt	1.35		0.0090	0.026	0.10	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Copper	2.71		0.068	0.10	0.21	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Iron	6160		0.96	1.30	5.20	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Lead	3.40		0.033	0.078	0.10	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Magnesium	790		2.01	19.8	52.0	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Manganese	32.7		0.035	0.052	0.10	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Nickel	3.00		0.045	0.078	0.10	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Potassium	383		3.99	19.8	52.0	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Sodium	2000		7.30	26.0	52.0	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Thallium	0.034	J	0.015	0.052	0.10	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Vanadium	9.05		0.011	0.026	0.52	mg/Kg
Q2085-01	SC-4-SED-051525	SOIL	Zinc	11.5		0.094	0.16	0.52	mg/Kg
Client ID : SC-3-SED-051525									
Q2085-02	SC-3-SED-051525	SOIL	Aluminum	6540		0.42	1.18	2.36	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Arsenic	5.41		0.014	0.029	0.12	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Barium	27.4		0.039	0.15	1.18	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Beryllium	0.25		0.038	0.088	0.12	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Cadmium	0.078	J	0.021	0.088	0.12	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Calcium	268		5.64	22.4	58.9	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Chromium	13.6		0.031	0.059	0.24	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Cobalt	2.29		0.011	0.029	0.12	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Copper	8.56		0.077	0.12	0.24	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Iron	10100		1.08	1.47	5.89	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Lead	6.12		0.038	0.088	0.12	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Magnesium	1660		2.27	22.4	58.9	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Manganese	52.8		0.040	0.059	0.12	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Nickel	6.71		0.051	0.088	0.12	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Potassium	899		4.52	22.4	58.9	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Sodium	1860		8.27	29.5	58.9	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Thallium	0.058	J	0.016	0.059	0.12	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2085

Order ID: Q2085

Client: US Army Corp of Engineers

Project ID: USACE NAB Sediment Project 25

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2085-02	SC-3-SED-051525	SOIL	Vanadium	19.3		0.013	0.029	0.59	mg/Kg
Q2085-02	SC-3-SED-051525	SOIL	Zinc	24.3		0.11	0.18	0.59	mg/Kg
Client ID : SC-2-SED-051525									
Q2085-03	SC-2-SED-051525	SOIL	Aluminum	608		0.36	0.99	1.99	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Arsenic	0.70		0.012	0.025	0.099	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Barium	7.12		0.033	0.12	0.99	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Beryllium	0.050	J	0.032	0.074	0.099	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Calcium	160		4.76	18.9	49.6	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Chromium	1.88		0.026	0.050	0.20	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Cobalt	0.51		0.0090	0.025	0.099	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Copper	1.19		0.065	0.099	0.20	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Iron	987		0.91	1.24	4.96	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Lead	1.95		0.032	0.074	0.099	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Magnesium	306		1.92	18.9	49.6	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Manganese	11.7		0.034	0.050	0.099	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Nickel	0.98		0.043	0.074	0.099	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Potassium	168		3.81	18.9	49.6	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Sodium	1520		6.97	24.8	49.6	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Thallium	0.017	J	0.014	0.050	0.099	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Vanadium	1.64		0.011	0.025	0.50	mg/Kg
Q2085-03	SC-2-SED-051525	SOIL	Zinc	6.76		0.089	0.15	0.50	mg/Kg
Client ID : SC-1-SED-051625									
Q2085-04	SC-1-SED-051625	SOIL	Aluminum	3290		0.37	1.01	2.03	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Antimony	2.12		0.046	0.076	0.20	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Arsenic	2.49		0.012	0.025	0.10	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Barium	7.23		0.033	0.13	1.01	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Beryllium	0.24		0.032	0.076	0.10	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Cadmium	0.097	J	0.018	0.076	0.10	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Calcium	430		4.85	19.3	50.7	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Chromium	5.35		0.026	0.051	0.20	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Cobalt	1.94		0.0090	0.025	0.10	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Copper	3.71		0.066	0.10	0.20	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Iron	6010		0.93	1.27	5.07	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Lead	4.25		0.032	0.076	0.10	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Magnesium	1020		1.96	19.3	50.7	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Manganese	50.7		0.034	0.051	0.10	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Nickel	4.38		0.044	0.076	0.10	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Potassium	620		3.89	19.3	50.7	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Sodium	2270		7.11	25.3	50.7	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2085

Order ID: Q2085

Client: US Army Corp of Engineers

Project ID: USACE NAB Sediment Project 25

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2085-04	SC-1-SED-051625	SOIL	Thallium	0.062	J	0.014	0.051	0.10	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Vanadium	7.42		0.011	0.025	0.51	mg/Kg
Q2085-04	SC-1-SED-051625	SOIL	Zinc	27.3		0.091	0.15	0.51	mg/Kg
Client ID : SC-COMP-SED-051625									
Q2085-07	SC-COMP-SED-051625	SOIL	Aluminum	3100		0.37	1.04	2.08	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Arsenic	3.24		0.012	0.026	0.10	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Barium	7.49		0.034	0.13	1.04	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Beryllium	0.23		0.033	0.078	0.10	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Cadmium	0.083	J	0.019	0.078	0.10	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Calcium	326		4.97	19.7	51.9	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Chromium	6.49		0.027	0.052	0.21	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Cobalt	1.78		0.0090	0.026	0.10	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Copper	4.06		0.068	0.10	0.21	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Iron	6670		0.96	1.30	5.19	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Lead	3.57		0.033	0.078	0.10	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Magnesium	1020		2.00	19.7	51.9	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Manganese	47.1		0.035	0.052	0.10	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Nickel	4.03		0.045	0.078	0.10	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Potassium	546		3.99	19.7	51.9	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Sodium	2280		7.29	26.0	51.9	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Thallium	0.071	J	0.015	0.052	0.10	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Vanadium	9.66		0.011	0.026	0.52	mg/Kg
Q2085-07	SC-COMP-SED-051625	SOIL	Zinc	16.3		0.093	0.16	0.52	mg/Kg
Client ID : DUPE-1-SC									
Q2085-08	DUPE-1-SC	SOIL	Aluminum	2170		0.34	0.93	1.86	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Arsenic	1.74		0.011	0.023	0.093	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Barium	8.35		0.031	0.12	0.93	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Beryllium	0.15		0.030	0.070	0.093	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Cadmium	0.046	J	0.017	0.070	0.093	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Calcium	246		4.46	17.7	46.5	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Chromium	4.20		0.024	0.047	0.19	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Cobalt	1.78		0.0080	0.023	0.093	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Copper	2.73		0.060	0.093	0.19	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Iron	4240		0.86	1.16	4.65	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Lead	2.85		0.030	0.070	0.093	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Magnesium	838		1.80	17.7	46.5	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Manganese	35.8		0.032	0.047	0.093	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Nickel	3.54		0.040	0.070	0.093	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Potassium	375		3.57	17.7	46.5	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2085

Order ID: Q2085

Client: US Army Corp of Engineers

Project ID: USACE NAB Sediment Project 25

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2085-08	DUPE-1-SC	SOIL	Sodium	2230		6.53	23.3	46.5	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Thallium	0.039	J	0.013	0.047	0.093	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Vanadium	4.78		0.010	0.023	0.47	mg/Kg
Q2085-08	DUPE-1-SC	SOIL	Zinc	14.4		0.084	0.14	0.47	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	US Army Corp of Engineers	Date Collected:	05/15/25
Project:	USACE NAB Sediment Project 25	Date Received:	05/20/25
Client Sample ID:	SC-4-SED-051525	SDG No.:	Q2085
Lab Sample ID:	Q2085-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	75.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2200	N	1	0.37	1.04	2.08	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7440-36-0	Antimony	0.078	U*	1	0.047	0.078	0.21	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7440-38-2	Arsenic	3.41	N	1	0.012	0.026	0.10	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7440-39-3	Barium	4.16		1	0.034	0.13	1.04	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7440-41-7	Beryllium	0.28		1	0.033	0.078	0.10	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7440-43-9	Cadmium	0.052	J	1	0.019	0.078	0.10	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7440-70-2	Calcium	281		1	4.98	19.8	52.0	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7440-47-3	Chromium	5.17		1	0.027	0.052	0.21	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7440-48-4	Cobalt	1.35		1	0.0090	0.026	0.10	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7440-50-8	Copper	2.71		1	0.068	0.10	0.21	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7439-89-6	Iron	6160	N	1	0.96	1.30	5.20	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7439-92-1	Lead	3.40		1	0.033	0.078	0.10	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7439-95-4	Magnesium	790		1	2.01	19.8	52.0	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7439-96-5	Manganese	32.7		1	0.035	0.052	0.10	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7439-97-6	Mercury	0.013	U	1	0.0090	0.013	0.016	mg/Kg	05/27/25 13:44	05/29/25 12:02	7471B	
7440-02-0	Nickel	3.00		1	0.045	0.078	0.10	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7440-09-7	Potassium	383		1	3.99	19.8	52.0	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7782-49-2	Selenium	0.47	U	1	0.29	0.47	0.52	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7440-22-4	Silver	0.052	UN	1	0.027	0.052	0.10	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7440-23-5	Sodium	2000		1	7.30	26.0	52.0	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7440-28-0	Thallium	0.034	J	1	0.015	0.052	0.10	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7440-62-2	Vanadium	9.05		1	0.011	0.026	0.52	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050
7440-66-6	Zinc	11.5	*	1	0.094	0.16	0.52	mg/Kg	05/21/25 10:20	05/21/25 16:54	6020B	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Metals Group2			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	US Army Corp of Engineers	Date Collected:	05/15/25
Project:	USACE NAB Sediment Project 25	Date Received:	05/20/25
Client Sample ID:	SC-3-SED-051525	SDG No.:	Q2085
Lab Sample ID:	Q2085-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	73.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6540	N	1	0.42	1.18	2.36	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-36-0	Antimony	0.088	U*	1	0.053	0.088	0.24	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-38-2	Arsenic	5.41	N	1	0.014	0.029	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-39-3	Barium	27.4		1	0.039	0.15	1.18	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-41-7	Beryllium	0.25		1	0.038	0.088	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-43-9	Cadmium	0.078	J	1	0.021	0.088	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-70-2	Calcium	268		1	5.64	22.4	58.9	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-47-3	Chromium	13.6		1	0.031	0.059	0.24	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-48-4	Cobalt	2.29		1	0.011	0.029	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-50-8	Copper	8.56		1	0.077	0.12	0.24	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7439-89-6	Iron	10100	N	1	1.08	1.47	5.89	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7439-92-1	Lead	6.12		1	0.038	0.088	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7439-95-4	Magnesium	1660		1	2.27	22.4	58.9	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7439-96-5	Manganese	52.8		1	0.040	0.059	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7439-97-6	Mercury	0.013	U	1	0.0090	0.013	0.016	mg/Kg	05/27/25 13:44	05/29/25 12:05	7471B	
7440-02-0	Nickel	6.71		1	0.051	0.088	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-09-7	Potassium	899		1	4.52	22.4	58.9	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7782-49-2	Selenium	0.53	U	1	0.33	0.53	0.59	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-22-4	Silver	0.059	UN	1	0.031	0.059	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-23-5	Sodium	1860		1	8.27	29.5	58.9	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-28-0	Thallium	0.058	J	1	0.016	0.059	0.12	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-62-2	Vanadium	19.3		1	0.013	0.029	0.59	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050
7440-66-6	Zinc	24.3	*	1	0.11	0.18	0.59	mg/Kg	05/21/25 10:20	05/21/25 17:32	6020B	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Metals Group2			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	US Army Corp of Engineers	Date Collected:	05/15/25
Project:	USACE NAB Sediment Project 25	Date Received:	05/20/25
Client Sample ID:	SC-2-SED-051525	SDG No.:	Q2085
Lab Sample ID:	Q2085-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	79.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	608	N	1	0.36	0.99	1.99	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7440-36-0	Antimony	0.074	U*	1	0.045	0.074	0.20	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7440-38-2	Arsenic	0.70	N	1	0.012	0.025	0.099	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7440-39-3	Barium	7.12		1	0.033	0.12	0.99	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7440-41-7	Beryllium	0.050	J	1	0.032	0.074	0.099	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7440-43-9	Cadmium	0.074	U	1	0.018	0.074	0.099	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7440-70-2	Calcium	160		1	4.76	18.9	49.6	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7440-47-3	Chromium	1.88		1	0.026	0.050	0.20	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7440-48-4	Cobalt	0.51		1	0.0090	0.025	0.099	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7440-50-8	Copper	1.19		1	0.065	0.099	0.20	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7439-89-6	Iron	987	N	1	0.91	1.24	4.96	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7439-92-1	Lead	1.95		1	0.032	0.074	0.099	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7439-95-4	Magnesium	306		1	1.92	18.9	49.6	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7439-96-5	Manganese	11.7		1	0.034	0.050	0.099	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7439-97-6	Mercury	0.012	U	1	0.0080	0.012	0.015	mg/Kg	05/27/25 13:44	05/29/25 12:07	7471B	
7440-02-0	Nickel	0.98		1	0.043	0.074	0.099	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7440-09-7	Potassium	168		1	3.81	18.9	49.6	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7782-49-2	Selenium	0.45	U	1	0.28	0.45	0.50	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7440-22-4	Silver	0.050	UN	1	0.026	0.050	0.099	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7440-23-5	Sodium	1520		1	6.97	24.8	49.6	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7440-28-0	Thallium	0.017	J	1	0.014	0.050	0.099	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7440-62-2	Vanadium	1.64		1	0.011	0.025	0.50	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050
7440-66-6	Zinc	6.76	*	1	0.089	0.15	0.50	mg/Kg	05/21/25 10:20	05/21/25 17:35	6020B	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Metals Group2			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	US Army Corp of Engineers	Date Collected:	05/16/25
Project:	USACE NAB Sediment Project 25	Date Received:	05/20/25
Client Sample ID:	SC-1-SED-051625	SDG No.:	Q2085
Lab Sample ID:	Q2085-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	70.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3290	N	1	0.37	1.01	2.03	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-36-0	Antimony	2.12	*	1	0.046	0.076	0.20	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-38-2	Arsenic	2.49	N	1	0.012	0.025	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-39-3	Barium	7.23		1	0.033	0.13	1.01	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-41-7	Beryllium	0.24		1	0.032	0.076	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-43-9	Cadmium	0.097	J	1	0.018	0.076	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-70-2	Calcium	430		1	4.85	19.3	50.7	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-47-3	Chromium	5.35		1	0.026	0.051	0.20	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-48-4	Cobalt	1.94		1	0.0090	0.025	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-50-8	Copper	3.71		1	0.066	0.10	0.20	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7439-89-6	Iron	6010	N	1	0.93	1.27	5.07	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7439-92-1	Lead	4.25		1	0.032	0.076	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7439-95-4	Magnesium	1020		1	1.96	19.3	50.7	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7439-96-5	Manganese	50.7		1	0.034	0.051	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7439-97-6	Mercury	0.014	U	1	0.010	0.014	0.017	mg/Kg	05/27/25 13:44	05/29/25 12:10	7471B	
7440-02-0	Nickel	4.38		1	0.044	0.076	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-09-7	Potassium	620		1	3.89	19.3	50.7	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7782-49-2	Selenium	0.46	U	1	0.28	0.46	0.51	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-22-4	Silver	0.051	UN	1	0.026	0.051	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-23-5	Sodium	2270		1	7.11	25.3	50.7	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-28-0	Thallium	0.062	J	1	0.014	0.051	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-62-2	Vanadium	7.42		1	0.011	0.025	0.51	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050
7440-66-6	Zinc	27.3	*	1	0.091	0.15	0.51	mg/Kg	05/21/25 10:20	05/21/25 17:39	6020B	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Metals Group2			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
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 OR = Over Range
 N =Spiked sample recovery not within control limits

Report of Analysis

Client:	US Army Corp of Engineers	Date Collected:	05/16/25
Project:	USACE NAB Sediment Project 25	Date Received:	05/20/25
Client Sample ID:	SC-COMP-SED-051625	SDG No.:	Q2085
Lab Sample ID:	Q2085-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	73.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3100	N	1	0.37	1.04	2.08	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-36-0	Antimony	0.078	U*	1	0.047	0.078	0.21	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-38-2	Arsenic	3.24	N	1	0.012	0.026	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-39-3	Barium	7.49		1	0.034	0.13	1.04	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-41-7	Beryllium	0.23		1	0.033	0.078	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-43-9	Cadmium	0.083	J	1	0.019	0.078	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-70-2	Calcium	326		1	4.97	19.7	51.9	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-47-3	Chromium	6.49		1	0.027	0.052	0.21	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-48-4	Cobalt	1.78		1	0.0090	0.026	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-50-8	Copper	4.06		1	0.068	0.10	0.21	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7439-89-6	Iron	6670	N	1	0.96	1.30	5.19	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7439-92-1	Lead	3.57		1	0.033	0.078	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7439-95-4	Magnesium	1020		1	2.00	19.7	51.9	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7439-96-5	Manganese	47.1		1	0.035	0.052	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7439-97-6	Mercury	0.013	U	1	0.0090	0.013	0.016	mg/Kg	05/27/25 13:44	05/29/25 12:48	7471B	
7440-02-0	Nickel	4.03		1	0.045	0.078	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-09-7	Potassium	546		1	3.99	19.7	51.9	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7782-49-2	Selenium	0.47	U	1	0.29	0.47	0.52	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-22-4	Silver	0.052	UN	1	0.027	0.052	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-23-5	Sodium	2280		1	7.29	26.0	51.9	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-28-0	Thallium	0.071	J	1	0.015	0.052	0.10	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-62-2	Vanadium	9.66		1	0.011	0.026	0.52	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050
7440-66-6	Zinc	16.3	*	1	0.093	0.16	0.52	mg/Kg	05/21/25 10:20	05/21/25 17:56	6020B	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Metals Group2			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	US Army Corp of Engineers	Date Collected:	05/16/25
Project:	USACE NAB Sediment Project 25	Date Received:	05/20/25
Client Sample ID:	DUPE-1-SC	SDG No.:	Q2085
Lab Sample ID:	Q2085-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	76.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	2170	N	1	0.34	0.93	1.86	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-36-0	Antimony	0.070	U*	1	0.042	0.070	0.19	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-38-2	Arsenic	1.74	N	1	0.011	0.023	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-39-3	Barium	8.35		1	0.031	0.12	0.93	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-41-7	Beryllium	0.15		1	0.030	0.070	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-43-9	Cadmium	0.046	J	1	0.017	0.070	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-70-2	Calcium	246		1	4.46	17.7	46.5	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-47-3	Chromium	4.20		1	0.024	0.047	0.19	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-48-4	Cobalt	1.78		1	0.0080	0.023	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-50-8	Copper	2.73		1	0.060	0.093	0.19	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7439-89-6	Iron	4240	N	1	0.86	1.16	4.65	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7439-92-1	Lead	2.85		1	0.030	0.070	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7439-95-4	Magnesium	838		1	1.80	17.7	46.5	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7439-96-5	Manganese	35.8		1	0.032	0.047	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7439-97-6	Mercury	0.013	U	1	0.0090	0.013	0.016	mg/Kg	05/27/25 13:44	05/29/25 12:50	7471B	
7440-02-0	Nickel	3.54		1	0.040	0.070	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-09-7	Potassium	375		1	3.57	17.7	46.5	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7782-49-2	Selenium	0.42	U	1	0.26	0.42	0.47	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-22-4	Silver	0.047	UN	1	0.024	0.047	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-23-5	Sodium	2230		1	6.53	23.3	46.5	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-28-0	Thallium	0.039	J	1	0.013	0.047	0.093	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-62-2	Vanadium	4.78		1	0.010	0.023	0.47	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050
7440-66-6	Zinc	14.4	*	1	0.084	0.14	0.47	mg/Kg	05/21/25 10:20	05/21/25 18:00	6020B	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Metals Group2			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: US Army Corp of Engineers **SDG No.:** Q2085
Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV21	Mercury	3.84	4.0	96	90 - 110	CV	05/29/2025	11:18	LB135943

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: US Army Corp of Engineers **SDG No.:** Q2085
Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV76	Mercury	4.83	5.0	97	90 - 110	CV	05/29/2025	11:22	LB135943
CCV77	Mercury	5.09	5.0	102	90 - 110	CV	05/29/2025	12:25	LB135943
CCV78	Mercury	5.16	5.0	103	90 - 110	CV	05/29/2025	13:01	LB135943
CCV79	Mercury	5.26	5.0	105	90 - 110	CV	05/29/2025	13:19	LB135943

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: US Army Corp of Engineers **SDG No.:** Q2085
Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	470	500	94	90 - 110	P	05/21/2025	14:30	LB135886
	Antimony	197	200	98	90 - 110	P	05/21/2025	14:30	LB135886
	Arsenic	198	200	99	90 - 110	P	05/21/2025	14:30	LB135886
	Barium	99.2	100	99	90 - 110	P	05/21/2025	14:30	LB135886
	Beryllium	106	100	106	90 - 110	P	05/21/2025	14:30	LB135886
	Cadmium	101	100	101	90 - 110	P	05/21/2025	14:30	LB135886
	Calcium	1880	2000	94	90 - 110	P	05/21/2025	14:30	LB135886
	Chromium	101	100	100	90 - 110	P	05/21/2025	14:30	LB135886
	Cobalt	105	100	105	90 - 110	P	05/21/2025	14:30	LB135886
	Copper	108	100	108	90 - 110	P	05/21/2025	14:30	LB135886
	Iron	1970	2000	98	90 - 110	P	05/21/2025	14:30	LB135886
	Lead	203	200	102	90 - 110	P	05/21/2025	14:30	LB135886
	Magnesium	1170	1200	97	90 - 110	P	05/21/2025	14:30	LB135886
	Manganese	101	100	101	90 - 110	P	05/21/2025	14:30	LB135886
	Nickel	111	110	101	90 - 110	P	05/21/2025	14:30	LB135886
	Potassium	1930	2000	97	90 - 110	P	05/21/2025	14:30	LB135886
	Selenium	207	200	104	90 - 110	P	05/21/2025	14:30	LB135886
	Silver	47.6	50.0	95	90 - 110	P	05/21/2025	14:30	LB135886
	Sodium	1940	2000	97	90 - 110	P	05/21/2025	14:30	LB135886
	Thallium	206	210	98	90 - 110	P	05/21/2025	14:30	LB135886
	Vanadium	98.6	100	99	90 - 110	P	05/21/2025	14:30	LB135886
	Zinc	212	200	106	90 - 110	P	05/21/2025	14:30	LB135886

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: US Army Corp of Engineers **SDG No.:** Q2085
Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	19.8	20.0	99	80 - 120	P	05/21/2025	14:33	LB135886
	Antimony	1.96	2.0	98	80 - 120	P	05/21/2025	14:33	LB135886
	Arsenic	1.00	1.0	100	80 - 120	P	05/21/2025	14:33	LB135886
	Barium	9.67	10.0	97	80 - 120	P	05/21/2025	14:33	LB135886
	Beryllium	1.14	1.0	114	80 - 120	P	05/21/2025	14:33	LB135886
	Cadmium	0.90	1.0	90	80 - 120	P	05/21/2025	14:33	LB135886
	Calcium	476	500	95	80 - 120	P	05/21/2025	14:33	LB135886
	Chromium	1.99	2.0	100	80 - 120	P	05/21/2025	14:33	LB135886
	Cobalt	1.07	1.0	107	80 - 120	P	05/21/2025	14:33	LB135886
	Copper	2.14	2.0	107	80 - 120	P	05/21/2025	14:33	LB135886
	Iron	49.5	50.0	99	80 - 120	P	05/21/2025	14:33	LB135886
	Lead	0.83	1.0	83	80 - 120	P	05/21/2025	14:33	LB135886
	Magnesium	500	500	100	80 - 120	P	05/21/2025	14:33	LB135886
	Manganese	0.91	1.0	91	80 - 120	P	05/21/2025	14:33	LB135886
	Nickel	0.93	1.0	93	80 - 120	P	05/21/2025	14:33	LB135886
	Potassium	478	500	96	80 - 120	P	05/21/2025	14:33	LB135886
	Selenium	4.91	5.0	98	80 - 120	P	05/21/2025	14:33	LB135886
	Silver	1.08	1.0	108	80 - 120	P	05/21/2025	14:33	LB135886
	Sodium	506	500	101	80 - 120	P	05/21/2025	14:33	LB135886
	Thallium	0.93	1.0	93	80 - 120	P	05/21/2025	14:33	LB135886
	Vanadium	4.86	5.0	97	80 - 120	P	05/21/2025	14:33	LB135886
	Zinc	5.18	5.0	104	80 - 120	P	05/21/2025	14:33	LB135886

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: US Army Corp of Engineers **SDG No.:** Q2085
Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	50400	50000	101	90 - 110	P	05/21/2025	14:51	LB135886
	Antimony	501	500	100	90 - 110	P	05/21/2025	14:51	LB135886
	Arsenic	506	500	101	90 - 110	P	05/21/2025	14:51	LB135886
	Barium	2570	2500	103	90 - 110	P	05/21/2025	14:51	LB135886
	Beryllium	529	500	106	90 - 110	P	05/21/2025	14:51	LB135886
	Cadmium	504	500	101	90 - 110	P	05/21/2025	14:51	LB135886
	Calcium	239000	250000	96	90 - 110	P	05/21/2025	14:51	LB135886
	Chromium	523	500	105	90 - 110	P	05/21/2025	14:51	LB135886
	Cobalt	513	500	102	90 - 110	P	05/21/2025	14:51	LB135886
	Copper	5060	5000	101	90 - 110	P	05/21/2025	14:51	LB135886
	Iron	131000	125000	104	90 - 110	P	05/21/2025	14:51	LB135886
	Lead	2600	2500	104	90 - 110	P	05/21/2025	14:51	LB135886
	Magnesium	246000	250000	98	90 - 110	P	05/21/2025	14:51	LB135886
	Manganese	5190	5000	104	90 - 110	P	05/21/2025	14:51	LB135886
	Nickel	473	500	95	90 - 110	P	05/21/2025	14:51	LB135886
	Potassium	133000	125000	106	90 - 110	P	05/21/2025	14:51	LB135886
	Selenium	495	500	99	90 - 110	P	05/21/2025	14:51	LB135886
	Silver	492	500	98	90 - 110	P	05/21/2025	14:51	LB135886
	Sodium	240000	250000	96	90 - 110	P	05/21/2025	14:51	LB135886
	Thallium	524	500	105	90 - 110	P	05/21/2025	14:51	LB135886
	Vanadium	535	500	107	90 - 110	P	05/21/2025	14:51	LB135886
	Zinc	5180	5000	104	90 - 110	P	05/21/2025	14:51	LB135886
CCV02	Aluminum	50400	50000	101	90 - 110	P	05/21/2025	15:59	LB135886
	Antimony	506	500	101	90 - 110	P	05/21/2025	15:59	LB135886
	Arsenic	500	500	100	90 - 110	P	05/21/2025	15:59	LB135886
	Barium	2570	2500	103	90 - 110	P	05/21/2025	15:59	LB135886
	Beryllium	530	500	106	90 - 110	P	05/21/2025	15:59	LB135886
	Cadmium	508	500	102	90 - 110	P	05/21/2025	15:59	LB135886
	Calcium	240000	250000	96	90 - 110	P	05/21/2025	15:59	LB135886
	Chromium	523	500	105	90 - 110	P	05/21/2025	15:59	LB135886
	Cobalt	513	500	102	90 - 110	P	05/21/2025	15:59	LB135886
	Copper	5080	5000	102	90 - 110	P	05/21/2025	15:59	LB135886
	Iron	130000	125000	104	90 - 110	P	05/21/2025	15:59	LB135886
	Lead	2590	2500	104	90 - 110	P	05/21/2025	15:59	LB135886

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: US Army Corp of Engineers **SDG No.:** Q2085

Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	249000	250000	99	90 - 110	P	05/21/2025	15:59	LB135886
	Manganese	5130	5000	103	90 - 110	P	05/21/2025	15:59	LB135886
	Nickel	471	500	94	90 - 110	P	05/21/2025	15:59	LB135886
	Potassium	131000	125000	105	90 - 110	P	05/21/2025	15:59	LB135886
	Selenium	492	500	98	90 - 110	P	05/21/2025	15:59	LB135886
	Silver	494	500	99	90 - 110	P	05/21/2025	15:59	LB135886
	Sodium	242000	250000	97	90 - 110	P	05/21/2025	15:59	LB135886
	Thallium	518	500	104	90 - 110	P	05/21/2025	15:59	LB135886
	Vanadium	526	500	105	90 - 110	P	05/21/2025	15:59	LB135886
	Zinc	5260	5000	105	90 - 110	P	05/21/2025	15:59	LB135886
CCV03	Aluminum	48500	50000	97	90 - 110	P	05/21/2025	16:57	LB135886
	Antimony	493	500	99	90 - 110	P	05/21/2025	16:57	LB135886
	Arsenic	480	500	96	90 - 110	P	05/21/2025	16:57	LB135886
	Barium	2500	2500	100	90 - 110	P	05/21/2025	16:57	LB135886
	Beryllium	525	500	105	90 - 110	P	05/21/2025	16:57	LB135886
	Cadmium	488	500	98	90 - 110	P	05/21/2025	16:57	LB135886
	Calcium	235000	250000	94	90 - 110	P	05/21/2025	16:57	LB135886
	Chromium	503	500	101	90 - 110	P	05/21/2025	16:57	LB135886
	Cobalt	485	500	97	90 - 110	P	05/21/2025	16:57	LB135886
	Copper	4870	5000	98	90 - 110	P	05/21/2025	16:57	LB135886
	Iron	124000	125000	99	90 - 110	P	05/21/2025	16:57	LB135886
	Lead	2530	2500	101	90 - 110	P	05/21/2025	16:57	LB135886
	Magnesium	238000	250000	95	90 - 110	P	05/21/2025	16:57	LB135886
	Manganese	4950	5000	99	90 - 110	P	05/21/2025	16:57	LB135886
	Nickel	451	500	90	90 - 110	P	05/21/2025	16:57	LB135886
	Potassium	127000	125000	102	90 - 110	P	05/21/2025	16:57	LB135886
	Selenium	488	500	98	90 - 110	P	05/21/2025	16:57	LB135886
	Silver	484	500	97	90 - 110	P	05/21/2025	16:57	LB135886
	Sodium	234000	250000	94	90 - 110	P	05/21/2025	16:57	LB135886
	Thallium	511	500	102	90 - 110	P	05/21/2025	16:57	LB135886
	Vanadium	504	500	101	90 - 110	P	05/21/2025	16:57	LB135886
	Zinc	4990	5000	100	90 - 110	P	05/21/2025	16:57	LB135886
CCV04	Aluminum	50300	50000	101	90 - 110	P	05/21/2025	18:04	LB135886
	Antimony	505	500	101	90 - 110	P	05/21/2025	18:04	LB135886

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: US Army Corp of Engineers **SDG No.:** Q2085

Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	497	500	99	90 - 110	P	05/21/2025	18:04	LB135886
	Barium	2570	2500	103	90 - 110	P	05/21/2025	18:04	LB135886
	Beryllium	545	500	109	90 - 110	P	05/21/2025	18:04	LB135886
	Cadmium	503	500	101	90 - 110	P	05/21/2025	18:04	LB135886
	Calcium	239000	250000	96	90 - 110	P	05/21/2025	18:04	LB135886
	Chromium	537	500	108	90 - 110	P	05/21/2025	18:04	LB135886
	Cobalt	521	500	104	90 - 110	P	05/21/2025	18:04	LB135886
	Copper	5030	5000	101	90 - 110	P	05/21/2025	18:04	LB135886
	Iron	132000	125000	105	90 - 110	P	05/21/2025	18:04	LB135886
	Lead	2590	2500	103	90 - 110	P	05/21/2025	18:04	LB135886
	Magnesium	250000	250000	100	90 - 110	P	05/21/2025	18:04	LB135886
	Manganese	5240	5000	105	90 - 110	P	05/21/2025	18:04	LB135886
	Nickel	476	500	95	90 - 110	P	05/21/2025	18:04	LB135886
	Potassium	135000	125000	108	90 - 110	P	05/21/2025	18:04	LB135886
	Selenium	495	500	99	90 - 110	P	05/21/2025	18:04	LB135886
	Silver	494	500	99	90 - 110	P	05/21/2025	18:04	LB135886
	Sodium	234000	250000	94	90 - 110	P	05/21/2025	18:04	LB135886
	Thallium	516	500	103	90 - 110	P	05/21/2025	18:04	LB135886
	Vanadium	536	500	107	90 - 110	P	05/21/2025	18:04	LB135886
	Zinc	5130	5000	103	90 - 110	P	05/21/2025	18:04	LB135886



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Metals

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CRDL STANDARD FOR AA & ICP

Client: US Army Corp of Engineers SDG No.: Q2085
Contract: USAR03 Lab Code: CHEM Case No.: Q2085 SAS No.: Q2085
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI	Aluminum	19.8	20.0	99	70 - 130	P	05/21/2025	15:00	LB135886
	Antimony	1.93	2.0	96	70 - 130	P	05/21/2025	15:00	LB135886
	Arsenic	0.95	1.0	95	70 - 130	P	05/21/2025	15:00	LB135886
	Barium	9.45	10.0	94	70 - 130	P	05/21/2025	15:00	LB135886
	Beryllium	1.13	1.0	113	70 - 130	P	05/21/2025	15:00	LB135886
	Cadmium	0.83	1.0	83	70 - 130	P	05/21/2025	15:00	LB135886
	Calcium	475	500	95	70 - 130	P	05/21/2025	15:00	LB135886
	Chromium	2.03	2.0	102	70 - 130	P	05/21/2025	15:00	LB135886
	Cobalt	1.08	1.0	108	50 - 150	P	05/21/2025	15:00	LB135886
	Copper	2.16	2.0	108	70 - 130	P	05/21/2025	15:00	LB135886
	Iron	51.0	50.0	102	70 - 130	P	05/21/2025	15:00	LB135886
	Lead	0.83	1.0	83	70 - 130	P	05/21/2025	15:00	LB135886
	Magnesium	525	500	105	70 - 130	P	05/21/2025	15:00	LB135886
	Manganese	1.05	1.0	105	50 - 150	P	05/21/2025	15:00	LB135886
	Nickel	0.95	1.0	95	70 - 130	P	05/21/2025	15:00	LB135886
	Potassium	502	500	100	70 - 130	P	05/21/2025	15:00	LB135886
	Selenium	4.84	5.0	97	70 - 130	P	05/21/2025	15:00	LB135886
	Silver	1.05	1.0	105	70 - 130	P	05/21/2025	15:00	LB135886
	Sodium	521	500	104	70 - 130	P	05/21/2025	15:00	LB135886
	Thallium	0.93	1.0	93	70 - 130	P	05/21/2025	15:00	LB135886
	Vanadium	5.02	5.0	100	70 - 130	P	05/21/2025	15:00	LB135886
	Zinc	5.25	5.0	105	50 - 150	P	05/21/2025	15:00	LB135886
CRA	Mercury	0.22	0.2	109	70 - 130	CV	05/29/2025	11:38	LB135943



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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	US Army Corp of Engineers				SDG No.:	Q2085				
Contract:	USAR03		Lab Code:	CHEM		Case No.:	Q2085		SAS No.:	Q2085
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB21	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/29/2025	11:20	LB135943

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: US Army Corp of Engineers

SDG No.: Q2085

Contract: USAR03

Lab Code: CHEM

Case No.: Q2085

SAS No.: Q2085

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB76	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/29/2025	11:27	LB135943
CCB77	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/29/2025	12:30	LB135943
CCB78	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/29/2025	13:04	LB135943
CCB79	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/29/2025	13:22	LB135943

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: US Army Corp of Engineers **SDG No.:** Q2085
Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	20.0	+/-20.0	U	10.0	20.0	P	05/21/2025	14:37	LB135886
	Antimony	2.00	+/-2.00	U	0.25	2.00	P	05/21/2025	14:37	LB135886
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	05/21/2025	14:37	LB135886
	Barium	10.0	+/-10.0	U	1.25	10.0	P	05/21/2025	14:37	LB135886
	Beryllium	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	14:37	LB135886
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	05/21/2025	14:37	LB135886
	Calcium	500	+/-500	U	190	500	P	05/21/2025	14:37	LB135886
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	05/21/2025	14:37	LB135886
	Cobalt	1.00	+/-1.00	U	0.25	1.00	P	05/21/2025	14:37	LB135886
	Copper	2.00	+/-2.00	U	1.50	2.00	P	05/21/2025	14:37	LB135886
	Iron	50.0	+/-50.0	U	25.0	50.0	P	05/21/2025	14:37	LB135886
	Lead	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	14:37	LB135886
	Magnesium	500	+/-500	U	190	500	P	05/21/2025	14:37	LB135886
	Manganese	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	14:37	LB135886
	Nickel	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	14:37	LB135886
	Potassium	500	+/-500	U	190	500	P	05/21/2025	14:37	LB135886
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	05/21/2025	14:37	LB135886
	Silver	1.00	+/-1.00	U	0.50	1.00	P	05/21/2025	14:37	LB135886
	Sodium	500	+/-500	U	190	500	P	05/21/2025	14:37	LB135886
	Thallium	1.00	+/-1.00	U	0.50	1.00	P	05/21/2025	14:37	LB135886
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	05/21/2025	14:37	LB135886
	Zinc	5.00	+/-5.00	U	1.50	5.00	P	05/21/2025	14:37	LB135886

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>US Army Corp of Engineers</u>		SDG No.: <u>Q2085</u>								
Contract: <u>USAR03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q2085</u>		SAS No.: <u>Q2085</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	20.0	+/-20.0	U	10.0	20.0	P	05/21/2025	14:57	LB135886
	Antimony	2.00	+/-2.00	U	0.25	2.00	P	05/21/2025	14:57	LB135886
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	05/21/2025	14:57	LB135886
	Barium	10.0	+/-10.0	U	1.25	10.0	P	05/21/2025	14:57	LB135886
	Beryllium	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	14:57	LB135886
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	05/21/2025	14:57	LB135886
	Calcium	500	+/-500	U	190	500	P	05/21/2025	14:57	LB135886
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	05/21/2025	14:57	LB135886
	Cobalt	1.00	+/-1.00	U	0.25	1.00	P	05/21/2025	14:57	LB135886
	Copper	2.00	+/-2.00	U	1.50	2.00	P	05/21/2025	14:57	LB135886
	Iron	50.0	+/-50.0	U	25.0	50.0	P	05/21/2025	14:57	LB135886
	Lead	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	14:57	LB135886
	Magnesium	500	+/-500	U	190	500	P	05/21/2025	14:57	LB135886
	Manganese	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	14:57	LB135886
	Nickel	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	14:57	LB135886
	Potassium	500	+/-500	U	190	500	P	05/21/2025	14:57	LB135886
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	05/21/2025	14:57	LB135886
	Silver	0.080	+/-1.00	J	0.50	1.00	P	05/21/2025	14:57	LB135886
	Sodium	500	+/-500	U	190	500	P	05/21/2025	14:57	LB135886
	Thallium	1.00	+/-1.00	U	0.50	1.00	P	05/21/2025	14:57	LB135886
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	05/21/2025	14:57	LB135886
	Zinc	5.00	+/-5.00	U	1.50	5.00	P	05/21/2025	14:57	LB135886
CCB02	Aluminum	20.0	+/-20.0	U	10.0	20.0	P	05/21/2025	16:05	LB135886
	Antimony	2.00	+/-2.00	U	0.25	2.00	P	05/21/2025	16:05	LB135886
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	05/21/2025	16:05	LB135886
	Barium	10.0	+/-10.0	U	1.25	10.0	P	05/21/2025	16:05	LB135886
	Beryllium	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	16:05	LB135886
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	05/21/2025	16:05	LB135886
	Calcium	500	+/-500	U	190	500	P	05/21/2025	16:05	LB135886
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	05/21/2025	16:05	LB135886
	Cobalt	1.00	+/-1.00	U	0.25	1.00	P	05/21/2025	16:05	LB135886
	Copper	2.00	+/-2.00	U	1.50	2.00	P	05/21/2025	16:05	LB135886
	Iron	50.0	+/-50.0	U	25.0	50.0	P	05/21/2025	16:05	LB135886
	Lead	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	16:05	LB135886
	Magnesium	500	+/-500	U	190	500	P	05/21/2025	16:05	LB135886
	Manganese	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	16:05	LB135886
	Nickel	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	16:05	LB135886
	Potassium	500	+/-500	U	190	500	P	05/21/2025	16:05	LB135886
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	05/21/2025	16:05	LB135886

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>US Army Corp of Engineers</u>		SDG No.: <u>Q2085</u>								
Contract: <u>USAR03</u>	Lab Code: <u>CHEM</u>	Case No.: <u>Q2085</u>		SAS No.: <u>Q2085</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.00	+/-1.00	U	0.50	1.00	P	05/21/2025	16:05	LB135886
	Sodium	500	+/-500	U	190	500	P	05/21/2025	16:05	LB135886
	Thallium	1.00	+/-1.00	U	0.50	1.00	P	05/21/2025	16:05	LB135886
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	05/21/2025	16:05	LB135886
	Zinc	5.00	+/-5.00	U	1.50	5.00	P	05/21/2025	16:05	LB135886
CCB03	Aluminum	20.0	+/-20.0	U	10.0	20.0	P	05/21/2025	17:28	LB135886
	Antimony	2.00	+/-2.00	U	0.25	2.00	P	05/21/2025	17:28	LB135886
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	05/21/2025	17:28	LB135886
	Barium	10.0	+/-10.0	U	1.25	10.0	P	05/21/2025	17:28	LB135886
	Beryllium	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	17:28	LB135886
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	05/21/2025	17:28	LB135886
	Calcium	500	+/-500	U	190	500	P	05/21/2025	17:28	LB135886
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	05/21/2025	17:28	LB135886
	Cobalt	1.00	+/-1.00	U	0.25	1.00	P	05/21/2025	17:28	LB135886
	Copper	2.00	+/-2.00	U	1.50	2.00	P	05/21/2025	17:28	LB135886
	Iron	50.0	+/-50.0	U	25.0	50.0	P	05/21/2025	17:28	LB135886
	Lead	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	17:28	LB135886
	Magnesium	500	+/-500	U	190	500	P	05/21/2025	17:28	LB135886
	Manganese	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	17:28	LB135886
	Nickel	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	17:28	LB135886
	Potassium	500	+/-500	U	190	500	P	05/21/2025	17:28	LB135886
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	05/21/2025	17:28	LB135886
	Silver	1.00	+/-1.00	U	0.50	1.00	P	05/21/2025	17:28	LB135886
	Sodium	500	+/-500	U	190	500	P	05/21/2025	17:28	LB135886
	Thallium	1.00	+/-1.00	U	0.50	1.00	P	05/21/2025	17:28	LB135886
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	05/21/2025	17:28	LB135886
	Zinc	2.43	+/-5.00	J	1.50	5.00	P	05/21/2025	17:28	LB135886
CCB04	Aluminum	20.0	+/-20.0	U	10.0	20.0	P	05/21/2025	18:16	LB135886
	Antimony	2.00	+/-2.00	U	0.25	2.00	P	05/21/2025	18:16	LB135886
	Arsenic	1.00	+/-1.00	U	0.25	1.00	P	05/21/2025	18:16	LB135886
	Barium	10.0	+/-10.0	U	1.25	10.0	P	05/21/2025	18:16	LB135886
	Beryllium	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	18:16	LB135886
	Cadmium	1.00	+/-1.00	U	0.50	1.00	P	05/21/2025	18:16	LB135886
	Calcium	500	+/-500	U	190	500	P	05/21/2025	18:16	LB135886
	Chromium	2.00	+/-2.00	U	0.75	2.00	P	05/21/2025	18:16	LB135886
	Cobalt	1.00	+/-1.00	U	0.25	1.00	P	05/21/2025	18:16	LB135886
	Copper	2.00	+/-2.00	U	1.50	2.00	P	05/21/2025	18:16	LB135886
	Iron	50.0	+/-50.0	U	25.0	50.0	P	05/21/2025	18:16	LB135886
	Lead	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	18:16	LB135886

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: US Army Corp of Engineers **SDG No.:** Q2085
Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	500	+/-500	U	190	500	P	05/21/2025	18:16	LB135886
	Manganese	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	18:16	LB135886
	Nickel	1.00	+/-1.00	U	0.75	1.00	P	05/21/2025	18:16	LB135886
	Potassium	500	+/-500	U	190	500	P	05/21/2025	18:16	LB135886
	Selenium	5.00	+/-5.00	U	4.50	5.00	P	05/21/2025	18:16	LB135886
	Silver	1.00	+/-1.00	U	0.50	1.00	P	05/21/2025	18:16	LB135886
	Sodium	500	+/-500	U	190	500	P	05/21/2025	18:16	LB135886
	Thallium	1.00	+/-1.00	U	0.50	1.00	P	05/21/2025	18:16	LB135886
	Vanadium	5.00	+/-5.00	U	0.25	5.00	P	05/21/2025	18:16	LB135886
	Zinc	5.00	+/-5.00	U	1.50	5.00	P	05/21/2025	18:16	LB135886

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: US Army Corp of Engineers

SDG No.: Q2085

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168173BL		SOLID		Batch Number:		PB168173		Prep Date:	05/27/2025	
	Mercury	0.014	<0.014	U	0.011	0.014	CV	05/29/2025	11:55	LB135943

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: US Army Corp of Engineers

SDG No.: Q2085

Instrument: P8

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168105BL	SOLID			Batch Number:	PB168105			Prep Date:	05/21/2025	
	Aluminum	2.00	<2.00	U	1.00	2.00	P	05/21/2025	16:45	LB135886
	Antimony	0.20	<0.20	U	0.075	0.20	P	05/21/2025	16:45	LB135886
	Arsenic	0.10	<0.10	U	0.025	0.10	P	05/21/2025	16:45	LB135886
	Barium	1.00	<1.00	U	0.13	1.00	P	05/21/2025	16:45	LB135886
	Beryllium	0.10	<0.10	U	0.075	0.10	P	05/21/2025	16:45	LB135886
	Cadmium	0.10	<0.10	U	0.075	0.10	P	05/21/2025	16:45	LB135886
	Calcium	50.0	<50.0	U	19.0	50.0	P	05/21/2025	16:45	LB135886
	Chromium	0.20	<0.20	U	0.050	0.20	P	05/21/2025	16:45	LB135886
	Cobalt	0.10	<0.10	U	0.025	0.10	P	05/21/2025	16:45	LB135886
	Copper	0.20	<0.20	U	0.10	0.20	P	05/21/2025	16:45	LB135886
	Iron	5.00	<5.00	U	1.25	5.00	P	05/21/2025	16:45	LB135886
	Lead	0.10	<0.10	U	0.075	0.10	P	05/21/2025	16:45	LB135886
	Magnesium	50.0	<50.0	U	19.0	50.0	P	05/21/2025	16:45	LB135886
	Manganese	0.10	<0.10	U	0.050	0.10	P	05/21/2025	16:45	LB135886
	Nickel	0.10	<0.10	U	0.075	0.10	P	05/21/2025	16:45	LB135886
	Potassium	50.0	<50.0	U	19.0	50.0	P	05/21/2025	16:45	LB135886
	Selenium	0.50	<0.50	U	0.45	0.50	P	05/21/2025	16:45	LB135886
	Silver	0.10	<0.10	U	0.050	0.10	P	05/21/2025	16:45	LB135886
	Sodium	50.0	<50.0	U	25.0	50.0	P	05/21/2025	16:45	LB135886
	Thallium	0.10	<0.10	U	0.050	0.10	P	05/21/2025	16:45	LB135886
	Vanadium	0.50	<0.50	U	0.025	0.50	P	05/21/2025	16:45	LB135886
	Zinc	0.50	<0.50	U	0.15	0.50	P	05/21/2025	16:45	LB135886

Metals
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INTERFERENCE CHECK SAMPLE

Client: US Army Corp of Engineers **SDG No.:** Q2085
Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085
ICS Source: EPA **Instrument ID:** P8

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	89700	100000	90	0	0	05/21/2025	14:40	LB135886
	Antimony	1.07	1.5	71	-2.5	5.5	05/21/2025	14:40	LB135886
	Arsenic	0.29	0.1	290	-1.9	2.1	05/21/2025	14:40	LB135886
	Barium	1.41	1.2	118	-18.8	21.2	05/21/2025	14:40	LB135886
	Beryllium	0.30			-2	2	05/21/2025	14:40	LB135886
	Cadmium	0.46	0.7	66	-1.3	2.7	05/21/2025	14:40	LB135886
	Calcium	97000	100000	97	0	0	05/21/2025	14:40	LB135886
	Chromium	19.4	21.0	92	17	25	05/21/2025	14:40	LB135886
	Cobalt	1.15	1.0	115	-1	3	05/21/2025	14:40	LB135886
	Copper	7.56	8.0	94	4	12	05/21/2025	14:40	LB135886
	Iron	97200	100000	97	0	0	05/21/2025	14:40	LB135886
	Lead	4.23	4.0	106	2	6	05/21/2025	14:40	LB135886
	Magnesium	93600	100000	94	0	0	05/21/2025	14:40	LB135886
	Manganese	7.15	7.0	102	5	9	05/21/2025	14:40	LB135886
	Nickel	5.29	6.0	88	4	8	05/21/2025	14:40	LB135886
	Potassium	97200	100000	97	0	0	05/21/2025	14:40	LB135886
	Selenium	0.090	0.3	30	-9.7	10	05/21/2025	14:40	LB135886
	Silver	0.050			-2	2	05/21/2025	14:40	LB135886
	Sodium	97600	100000	98	0	0	05/21/2025	14:40	LB135886
	Thallium	0.14			-2	2	05/21/2025	14:40	LB135886
	Vanadium	0.14	0.5	28	-9.5	10.5	05/21/2025	14:40	LB135886
	Zinc	10.7	11.0	98	1	21	05/21/2025	14:40	LB135886
ICSAB01	Aluminum	88900	100000	89	0	0	05/21/2025	14:43	LB135886
	Antimony	20.2	22.0	92	18	26	05/21/2025	14:43	LB135886
	Arsenic	20.7	19.0	109	16.2	21.9	05/21/2025	14:43	LB135886
	Barium	21.3	22.0	97	2	42	05/21/2025	14:43	LB135886
	Beryllium	21.7	19.0	114	16.2	21.9	05/21/2025	14:43	LB135886
	Cadmium	19.4	20.0	97	17	23	05/21/2025	14:43	LB135886
	Calcium	95500	100000	96	0	0	05/21/2025	14:43	LB135886
	Chromium	39.6	40.0	99	34	46	05/21/2025	14:43	LB135886
	Cobalt	21.4	20.0	107	17	23	05/21/2025	14:43	LB135886
	Copper	27.9	25.0	112	21	29	05/21/2025	14:43	LB135886
	Iron	98700	100000	99	0	0	05/21/2025	14:43	LB135886
	Lead	27.3	25.0	109	21.3	28.8	05/21/2025	14:43	LB135886
	Magnesium	93600	100000	94	0	0	05/21/2025	14:43	LB135886
	Manganese	27.2	27.0	101	23	31.1	05/21/2025	14:43	LB135886
	Nickel	24.7	24.0	103	20.4	27.6	05/21/2025	14:43	LB135886
	Potassium	97400	100000	97	0	0	05/21/2025	14:43	LB135886
	Selenium	20.8	19.0	110	9	29	05/21/2025	14:43	LB135886
	Silver	18.4	18.0	102	15.3	20.7	05/21/2025	14:43	LB135886
	Sodium	97900	100000	98	0	0	05/21/2025	14:43	LB135886
	Thallium	20.3	21.0	97	17.9	24.2	05/21/2025	14:43	LB135886

Metals

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INTERFERENCE CHECK SAMPLE

Client: US Army Corp of Engineers **SDG No.:** Q2085
Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085
ICS Source: EPA **Instrument ID:** P8

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	20.4	19.0	107	9	29	05/21/2025	14:43	LB135886
	Zinc	31.1	29.0	107	19	39	05/21/2025	14:43	LB135886



METAL

QC

DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: US Army Corp of Engineers **level:** low **sdg no.:** Q2085
contract: USAR03 **lab code:** CHEM **case no.:** Q2085 **sas no.:** Q2085
matrix: Solid **sample id:** Q2085-04 **client id:** SC-1-SED-051625MS
Percent Solids for Sample: 70.5 **Spiked ID:** Q2085-05 **Percent Solids for Spike Sample:** 70.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	78 - 124	5760		3290		1100	228	N	P
Antimony	mg/Kg	72 - 124	51.5		2.12		54.1	91		P
Arsenic	mg/Kg	82 - 118	3.45		2.49		54.1	2	N	P
Barium	mg/Kg	86 - 116	247		7.23		270	88		P
Beryllium	mg/Kg	80 - 120	53.4		0.24		54.1	98		P
Cadmium	mg/Kg	84 - 116	52.0		0.097	J	54.1	96		P
Calcium	mg/Kg	86 - 118	5360		430		5400	91		P
Chromium	mg/Kg	83 - 119	57.5		5.35		54.1	96		P
Cobalt	mg/Kg	84 - 115	53.0		1.94		54.1	94		P
Copper	mg/Kg	84 - 119	509		3.71		540	93		P
Iron	mg/Kg	81 - 124	12900		6010		2700	255	N	P
Lead	mg/Kg	84 - 118	266		4.25		270	97		P
Magnesium	mg/Kg	80 - 123	6500		1020		5400	101		P
Manganese	mg/Kg	85 - 116	592		50.7		540	100		P
Nickel	mg/Kg	84 - 119	52.6		4.38		54.1	89		P
Mercury	mg/Kg	80 - 124	0.37		0.017	U	0.35	106		CV
Potassium	mg/Kg	85 - 119	3070		620		2700	90		P
Selenium	mg/Kg	80 - 119	47.3		0.51	U	54.1	87		P
Silver	mg/Kg	83 - 118	9.01		0.10	U	54.1	17	N	P
Sodium	mg/Kg	79 - 125	7270		2270		5400	92		P
Thallium	mg/Kg	83 - 118	50.9		0.062	J	54.1	94		P
Vanadium	mg/Kg	82 - 116	62.5		7.42		54.1	102		P
Zinc	mg/Kg	82 - 119	539		27.3		540	95		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: US Army Corp of Engineers **level:** low **sdg no.:** Q2085
contract: USAR03 **lab code:** CHEM **case no.:** Q2085 **sas no.:** Q2085
matrix: Solid **sample id:** Q2085-04 **client id:** SC-1-SED-051625MSD
Percent Solids for Sample: 70.5 **Spiked ID:** Q2085-06 **Percent Solids for Spike Sample:** 70.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	78 - 124	5810		3290		1100	228	N	P
Antimony	mg/Kg	72 - 124	53.6		2.12		55.4	93		P
Arsenic	mg/Kg	82 - 118	3.37		2.49		55.4	2	N	P
Barium	mg/Kg	86 - 116	252		7.23		280	88		P
Beryllium	mg/Kg	80 - 120	55.0		0.24		55.4	99		P
Cadmium	mg/Kg	84 - 116	54.3		0.097	J	55.4	98		P
Calcium	mg/Kg	86 - 118	5520		430		5500	92		P
Chromium	mg/Kg	83 - 119	59.6		5.35		55.4	98		P
Cobalt	mg/Kg	84 - 115	55.1		1.94		55.4	96		P
Copper	mg/Kg	84 - 119	533		3.71		550	96		P
Iron	mg/Kg	81 - 124	14400		6010		2800	302	N	P
Lead	mg/Kg	84 - 118	274		4.25		280	97		P
Magnesium	mg/Kg	80 - 123	6710		1020		5500	103		P
Manganese	mg/Kg	85 - 116	615		50.7		550	102		P
Nickel	mg/Kg	84 - 119	54.8		4.38		55.4	91		P
Mercury	mg/Kg	80 - 124	0.41		0.017	U	0.37	110		CV
Potassium	mg/Kg	85 - 119	3150		620		2800	91		P
Selenium	mg/Kg	80 - 119	49.2		0.51	U	55.4	89		P
Silver	mg/Kg	83 - 118	9.43		0.10	U	55.4	17	N	P
Sodium	mg/Kg	79 - 125	7270		2270		5500	90		P
Thallium	mg/Kg	83 - 118	52.3		0.062	J	55.4	94		P
Vanadium	mg/Kg	82 - 116	66.1		7.42		55.4	106		P
Zinc	mg/Kg	82 - 119	558		27.3		550	96		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: US Army Corp of Engineers **SDG No.:** Q2085
Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085
Matrix: Solid **Level:** LOW **Client ID:** SC-1-SED-051625A
Sample ID: Q2085-04 **Spiked ID:** Q2085-04A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	78 - 124	5340		3290		1000	205	N	P
Arsenic	mg/Kg	82 - 118	3.07		2.49		50.7	1	N	P
Iron	mg/Kg	81 - 124	13200		6010		2500	286	N	P
Silver	mg/Kg	83 - 118	8.57		0.10	U	50.7	17	N	P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: US Army Corp of Engineers **Level:** LOW **SDG No.:** Q2085
Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085
Matrix: Solid **Sample ID:** Q2085-04 **Client ID:** SC-1-SED-051625DUP
Percent Solids for Sample: 70.5 **Duplicate ID** Q2085-04DUP **Percent Solids for Spike Sample:** 70.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	3290		3470		5		P
Antimony	mg/Kg	20	2.12		0.31		149	*	P
Arsenic	mg/Kg	20	2.49		2.65		6		P
Barium	mg/Kg	20	7.23		7.49		4		P
Beryllium	mg/Kg	20	0.24		0.25		6		P
Cadmium	mg/Kg	20	0.097	J	0.099	J	2		P
Calcium	mg/Kg	20	430		480		11		P
Chromium	mg/Kg	20	5.35		5.56		4		P
Cobalt	mg/Kg	20	1.94		2.04		5		P
Copper	mg/Kg	20	3.71		3.67		1		P
Iron	mg/Kg	20	6010		6570		9		P
Lead	mg/Kg	20	4.25		3.96		7		P
Magnesium	mg/Kg	20	1020		1060		4		P
Manganese	mg/Kg	20	50.7		53.7		6		P
Nickel	mg/Kg	20	4.38		4.38		0		P
Mercury	mg/Kg	20	0.017	U	0.018	U			CV
Potassium	mg/Kg	20	620		603		3		P
Selenium	mg/Kg	20	0.51	U	0.53	U			P
Silver	mg/Kg	20	0.10	U	0.11	U			P
Sodium	mg/Kg	20	2270		2260		0		P
Thallium	mg/Kg	20	0.062	J	0.064	J	3		P
Vanadium	mg/Kg	20	7.42		7.57		2		P
Zinc	mg/Kg	20	27.3		16.3		50	*	P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: US Army Corp of Engineers **Level:** LOW **SDG No.:** Q2085
Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085
Matrix: Solid **Sample ID:** Q2085-05 **Client ID:** SC-1-SED-051625MSD
Percent Solids for Sample: 70.5 **Duplicate ID** Q2085-06 **Percent Solids for Spike Sample:** 70.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5760		5810		1		P
Antimony	mg/Kg	20	51.5		53.6		4		P
Arsenic	mg/Kg	20	3.45		3.37		2		P
Barium	mg/Kg	20	247		252		2		P
Beryllium	mg/Kg	20	53.4		55.0		3		P
Cadmium	mg/Kg	20	52.0		54.3		4		P
Calcium	mg/Kg	20	5360		5520		3		P
Chromium	mg/Kg	20	57.5		59.6		4		P
Cobalt	mg/Kg	20	53.0		55.1		4		P
Copper	mg/Kg	20	509		533		5		P
Iron	mg/Kg	20	12900		14400		11		P
Lead	mg/Kg	20	266		274		3		P
Magnesium	mg/Kg	20	6500		6710		3		P
Manganese	mg/Kg	20	592		615		4		P
Nickel	mg/Kg	20	52.6		54.8		4		P
Mercury	mg/Kg	20	0.37		0.41		9		CV
Potassium	mg/Kg	20	3070		3150		3		P
Selenium	mg/Kg	20	47.3		49.2		4		P
Silver	mg/Kg	20	9.01		9.43		5		P
Sodium	mg/Kg	20	7270		7270		0		P
Thallium	mg/Kg	20	50.9		52.3		3		P
Vanadium	mg/Kg	20	62.5		66.1		6		P
Zinc	mg/Kg	20	539		558		3		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: US Army Corp of Engineers **SDG No.:** Q2085
Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168105BS							
Aluminum	mg/Kg	1000	1040		104	78 - 124	P
Antimony	mg/Kg	50.0	50.7		101	72 - 124	P
Arsenic	mg/Kg	50.0	50.9		102	82 - 118	P
Barium	mg/Kg	250	255		102	86 - 116	P
Beryllium	mg/Kg	50.0	52.3		105	80 - 120	P
Cadmium	mg/Kg	50.0	51.5		103	84 - 116	P
Calcium	mg/Kg	5000	5060		101	86 - 118	P
Chromium	mg/Kg	50.0	52.3		105	83 - 119	P
Cobalt	mg/Kg	50.0	52.4		105	84 - 115	P
Copper	mg/Kg	500	525		105	84 - 119	P
Iron	mg/Kg	2500	2620		105	81 - 124	P
Lead	mg/Kg	250	251		100	84 - 118	P
Magnesium	mg/Kg	5000	5290		106	80 - 123	P
Manganese	mg/Kg	500	518		104	85 - 116	P
Nickel	mg/Kg	50.0	49.5		99	84 - 119	P
Potassium	mg/Kg	2500	2570		103	85 - 119	P
Selenium	mg/Kg	50.0	50.1		100	80 - 119	P
Silver	mg/Kg	50.0	51.9		104	83 - 118	P
Sodium	mg/Kg	5000	5230		105	79 - 125	P
Thallium	mg/Kg	50.0	50.6		101	83 - 118	P
Vanadium	mg/Kg	50.0	52.0		104	82 - 116	P
Zinc	mg/Kg	500	520		104	82 - 119	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: US Army Corp of Engineers **SDG No.:** Q2085
Contract: USAR03 **Lab Code:** CHEM **Case No.:** Q2085 **SAS No.:** Q2085

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168173BS Mercury	mg/Kg	0.25	0.22		86	80 - 124	CV

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: US Army Corp of Engineers

Contract: USAR03

Lab Code: CHEM Case no.: Q2085

Sas No.: Q2085 SDG No.: Q2085

Instrument ID: P8

Start Date : 05/21/2025

Run Number: LB135886

End Date : 05/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1353	100		100		100		100		100	
S2	S2	1400	102		100		101		99		99	
S3	S3	1403	103		98		100		97		100	
S4	S4	1407	104		96		98		94		100	
S5	S5	1409	101		94		96		91		97	
S6	S6	1412	100		91		93		88		97	
S7	S7	1415	95		89		91		84		95	
S8	S8	1418	86		84		88		75		90	
ICV01	ICV01	1430	103		99		101		98		101	
LLICV01	LLICV01	1433	104		99		101		98		100	
ICB01	ICB01	1437	104		101		103		101		102	
ICSA01	ICSA01	1440	99		96		97		88		99	
ICSAB01	ICSAB01	1443	100		97		100		91		101	
CCV01	CCV01	1451	92		92		94		84		96	
CCB01	CCB01	1457	105		101		103		101		103	
CRI	CRI	1500	103		103		105		101		104	
ZZZZZZ	ZZZZZZ	1531										
ZZZZZZ	ZZZZZZ	1534										
ZZZZZZ	ZZZZZZ	1537										
ZZZZZZ	ZZZZZZ	1540										
ZZZZZZ	ZZZZZZ	1543										
ZZZZZZ	ZZZZZZ	1546										
ZZZZZZ	ZZZZZZ	1550										
ZZZZZZ	ZZZZZZ	1553										
ZZZZZZ	ZZZZZZ	1556										
CCV02	CCV02	1559	89		89		93		82		94	
CCB02	CCB02	1605	101		101		100		99		101	
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1612										
ZZZZZZ	ZZZZZZ	1615										
ZZZZZZ	ZZZZZZ	1618										
ZZZZZZ	ZZZZZZ	1622										
ZZZZZZ	ZZZZZZ	1624										
ZZZZZZ	ZZZZZZ	1627										
PB168105BL	PB168105BL	1645	98		98		100		98		100	
PB168105BS	PB168105BS	1649	94		95		98		90		99	

Internal Standard %RI Limit: 30 - 120

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: US Army Corp of Engineers

Contract: USAR03

Lab Code: CHEM Case no.: Q2085

Sas No.: Q2085 SDG No.: Q2085

Instrument ID: P8

Start Date : 05/21/2025

Run Number: LB135886

End Date : 05/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
Q2085-01	SC-4-SED-05	1654	102		106		112		100		107	
CCV03	CCV03	1657	89		93		96		85		98	
CCB03	CCB03	1728	99		99		102		99		104	
Q2085-02	SC-3-SED-05	1732	103		109		113		98		107	
Q2085-03	SC-2-SED-05	1735	100		102		105		98		105	
Q2085-04	SC-1-SED-05	1739	101		104		111		98		105	
Q2085-04DUP	SC-1-SED-05	1742	102		105		112		99		106	
Q2085-04L	SC-1-SED-05	1745	101		98		102		97		101	
Q2085-05	SC-1-SED-05	1748	95		104		114		94		102	
Q2085-06	SC-1-SED-05	1751	95		104		114		93		103	
Q2085-04A	SC-1-SED-05	1754	94		104		114		93		104	
Q2085-07	SC-COMP-SED	1756	96		105		111		98		104	
Q2085-08	DUPE-1-SC	1800	94		102		108		97		105	
CCV04	CCV04	1804	84		90		93		83		95	
CCB04	CCB04	1816	93		99		101		99		101	

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: US Army Corp of Engineers

Contract: USAR03

Lab Code: CHEM Case no.: Q2085

Sas No.: Q2085 SDG No.: Q2085

Instrument ID: P8

Start Date : 05/21/2025

Run Number: LB135886

End Date : 05/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1353	100		100		100		100		100	
S2	S2	1400	101		102		100		100		102	
S3	S3	1403	99		99		98		98		99	
S4	S4	1407	97		95		95		96		98	
S5	S5	1409	94		93		91		95		96	
S6	S6	1412	93		91		89		93		96	
S7	S7	1415	92		89		84		91		93	
S8	S8	1418	85		86		75		87		89	
ICV01	ICV01	1430	100		100		99		99		101	
LLICV01	LLICV01	1433	100		101		100		99		101	
ICB01	ICB01	1437	100		103		102		100		103	
ICSA01	ICSA01	1440	96		97		91		97		100	
ICSAB01	ICSAB01	1443	96		97		89		96		100	
CCV01	CCV01	1451	94		94		85		93		96	
CCB01	CCB01	1457	101		101		101		99		102	
CRI	CRI	1500	100		101		101		99		101	
ZZZZZZ	ZZZZZZ	1531										
ZZZZZZ	ZZZZZZ	1534										
ZZZZZZ	ZZZZZZ	1537										
ZZZZZZ	ZZZZZZ	1540										
ZZZZZZ	ZZZZZZ	1543										
ZZZZZZ	ZZZZZZ	1546										
ZZZZZZ	ZZZZZZ	1550										
ZZZZZZ	ZZZZZZ	1553										
ZZZZZZ	ZZZZZZ	1556										
CCV02	CCV02	1559	91		91		82		91		93	
CCB02	CCB02	1605	98		99		99		98		100	
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1612										
ZZZZZZ	ZZZZZZ	1615										
ZZZZZZ	ZZZZZZ	1618										
ZZZZZZ	ZZZZZZ	1622										
ZZZZZZ	ZZZZZZ	1624										
ZZZZZZ	ZZZZZZ	1627										
PB168105BL	PB168105BL	1645	97		97		98		95		99	
PB168105BS	PB168105BS	1649	95		93		89		93		95	

Internal Standard %RI Limit: 30 - 120

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: US Army Corp of Engineers

Contract: USAR03

Lab Code: CHEM Case no.: Q2085

Sas No.: Q2085 SDG No.: Q2085

Instrument ID: P8

Start Date : 05/21/2025

Run Number: LB135886

End Date : 05/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
Q2085-01	SC-4-SED-05	1654	105		107		98		99		102	
CCV03	CCV03	1657	97		97		88		96		98	
CCB03	CCB03	1728	98		99		100		98		100	
Q2085-02	SC-3-SED-05	1732	107		108		96		100		102	
Q2085-03	SC-2-SED-05	1735	99		101		100		101		102	
Q2085-04	SC-1-SED-05	1739	102		107		97		100		101	
Q2085-04DUP	SC-1-SED-05	1742	105		109		99		101		104	
Q2085-04L	SC-1-SED-05	1745	97		99		98		96		99	
Q2085-05	SC-1-SED-05	1748	104		108		92		98		99	
Q2085-06	SC-1-SED-05	1751	104		110		93		97		100	
Q2085-04A	SC-1-SED-05	1754	104		110		92		98		100	
Q2085-07	SC-COMP-SED	1756	102		107		97		99		102	
Q2085-08	DUPE-1-SC	1800	100		104		97		98		101	
CCV04	CCV04	1804	91		92		83		90		93	
CCB04	CCB04	1816	98		98		99		96		99	

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: US Army Corp of Engineers
Lab Code: CHEM Case no.: Q2085
Instrument ID: P8
Run Number: LB135886

Contract: USAR03
Sas No.: Q2085 SDG No.: Q2085
Start Date : 05/21/2025
End Date : 05/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1353	100		100							
S2	S2	1400	102		100							
S3	S3	1403	101		99							
S4	S4	1407	101		99							
S5	S5	1409	99		97							
S6	S6	1412	98		94							
S7	S7	1415	97		91							
S8	S8	1418	93		81							
ICV01	ICV01	1430	102		101							
LLICV01	LLICV01	1433	103		101							
ICB01	ICB01	1437	104		103							
ICSA01	ICSA01	1440	101		93							
ICSAB01	ICSAB01	1443	103		93							
CCV01	CCV01	1451	97		86							
CCB01	CCB01	1457	104		103							
CRI	CRI	1500	104		103							
ZZZZZZ	ZZZZZZ	1531										
ZZZZZZ	ZZZZZZ	1534										
ZZZZZZ	ZZZZZZ	1537										
ZZZZZZ	ZZZZZZ	1540										
ZZZZZZ	ZZZZZZ	1543										
ZZZZZZ	ZZZZZZ	1546										
ZZZZZZ	ZZZZZZ	1550										
ZZZZZZ	ZZZZZZ	1553										
ZZZZZZ	ZZZZZZ	1556										
CCV02	CCV02	1559	98		88							
CCB02	CCB02	1605	103		105							
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1612										
ZZZZZZ	ZZZZZZ	1615										
ZZZZZZ	ZZZZZZ	1618										
ZZZZZZ	ZZZZZZ	1622										
ZZZZZZ	ZZZZZZ	1624										
ZZZZZZ	ZZZZZZ	1627										

Internal Standard %RI Limit: 30 -120

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: US Army Corp of Engineers

Contract: USAR03

Lab Code: CHEM Case no.: Q2085

Sas No.: Q2085 SDG No.: Q2085

Instrument ID: P8

Start Date : 05/21/2025

Run Number: LB135886

End Date : 05/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
PB168105BL	PB168105BL	1645	102		103							
PB168105BS	PB168105BS	1649	100		96							
Q2085-01	SC-4-SED-051	1654	108		106							
CCV03	CCV03	1657	98		91							
CCB03	CCB03	1728	105		105							
Q2085-02	SC-3-SED-051	1732	107		103							
Q2085-03	SC-2-SED-051	1735	106		105							
Q2085-04	SC-1-SED-051	1739	108		105							
Q2085-04DUP	SC-1-SED-051	1742	108		104							
Q2085-04L	SC-1-SED-051	1745	105		103							
Q2085-05	SC-1-SED-051	1748	106		98							
Q2085-06	SC-1-SED-051	1751	105		99							
Q2085-04A	SC-1-SED-051	1754	105		98							
Q2085-07	SC-COMP-SED-	1756	107		103							
Q2085-08	DUPE-1-SC	1800	105		103							
CCV04	CCV04	1804	97		88							
CCB04	CCB04	1816	102		103							

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: US Army Corp of Engineers

Contract: USAR03

Lab Code: CHEM Case no.: Q2085

Sas No.: Q2085 SDG No.: Q2085

Instrument ID: P8

Start Date : 05/21/2025

Run Number: LB135886

End Date : 05/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1353	100									
S2	S2	1400	98									
S3	S3	1403	96									
S4	S4	1407	95									
S5	S5	1409	92									
S6	S6	1412	91									
S7	S7	1415	86									
S8	S8	1418	77									
ICV01	ICV01	1430	99									
LLICV01	LLICV01	1433	98									
ICB01	ICB01	1437	100									
ICSA01	ICSA01	1440	90									
ICSAB01	ICSAB01	1443	90									
CCV01	CCV01	1451	84									
CCB01	CCB01	1457	99									
CRI	CRI	1500	99									
ZZZZZZ	ZZZZZZ	1531										
ZZZZZZ	ZZZZZZ	1534										
ZZZZZZ	ZZZZZZ	1537										
ZZZZZZ	ZZZZZZ	1540										
ZZZZZZ	ZZZZZZ	1543										
ZZZZZZ	ZZZZZZ	1546										
ZZZZZZ	ZZZZZZ	1550										
ZZZZZZ	ZZZZZZ	1553										
ZZZZZZ	ZZZZZZ	1556										
CCV02	CCV02	1559	82									
CCB02	CCB02	1605	98									
ZZZZZZ	ZZZZZZ	1609										
ZZZZZZ	ZZZZZZ	1612										
ZZZZZZ	ZZZZZZ	1615										
ZZZZZZ	ZZZZZZ	1618										
ZZZZZZ	ZZZZZZ	1622										
ZZZZZZ	ZZZZZZ	1624										
ZZZZZZ	ZZZZZZ	1627										

Internal Standard %RI Limit: 30 -120

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: US Army Corp of Engineers

Contract: USAR03

Lab Code: CHEM Case no.: Q2085

Sas No.: Q2085 SDG No.: Q2085

Instrument ID: P8

Start Date : 05/21/2025

Run Number: LB135886

End Date : 05/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
PB168105BL	PB168105BL	1645	96									
PB168105BS	PB168105BS	1649	90									
Q2085-01	SC-4-SED-051	1654	97									
CCV03	CCV03	1657	88									
CCB03	CCB03	1728	99									
Q2085-02	SC-3-SED-051	1732	97									
Q2085-03	SC-2-SED-051	1735	99									
Q2085-04	SC-1-SED-051	1739	98									
Q2085-04DUP	SC-1-SED-051	1742	98									
Q2085-04L	SC-1-SED-051	1745	96									
Q2085-05	SC-1-SED-051	1748	91									
Q2085-06	SC-1-SED-051	1751	91									
Q2085-04A	SC-1-SED-051	1754	92									
Q2085-07	SC-COMP-SED-	1756	96									
Q2085-08	DUPE-1-SC	1800	96									
CCV04	CCV04	1804	83									
CCB04	CCB04	1816	96									

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

SC-1-SED-051625L

Lab Name: Chemtech Consulting Group

Contract: USAR03

Lab Code: CHEM **Lb No.:** lb135886 **Lab Sample ID :** Q2085-04L **SDG No.:** Q2085

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)			Serial Dilution Result (S)			% Differ- ence	Q	M
	C			C					
Aluminum		3290			3200		3		P
Antimony		2.12			2.93		38		P
Arsenic		2.49			2.43		2		P
Barium		7.23			7.14		1		P
Beryllium		0.24			0.22	J	6		P
Cadmium		0.097	J		0.51	U	100.0		P
Calcium		430			412		4		P
Chromium		5.35			5.21		3		P
Cobalt		1.94			1.90		2		P
Copper		3.71			3.75		1		P
Iron		6010			5710		5		P
Lead		4.25			4.28		1		P
Magnesium		1020			1040		1		P
Manganese		50.7			49.3		3		P
Nickel		4.38			4.40		1		P
Mercury		0.017	U		0.086	U			CV
Potassium		620			635		2		P
Selenium		0.51	U		2.53	U			P
Silver		0.10	U		0.51	U			P
Sodium		2270			2330		3		P
Thallium		0.062	J		0.51	U	100.0		P
Vanadium		7.42			7.40		0		P
Zinc		27.3			33.2		22		P



METAL PREPARATION & INSTRUMENT DATA



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>US Army Corp of Engineers</u>	SDG No.:	<u>Q2085</u>
Contract:	<u>USAR03</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q2085</u>
		SAS No.:	<u>Q2085</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168105							
PB168105BL	PB168105BL	MB	SOLID	05/21/2025	1.00	100.0	100.00
PB168105BS	PB168105BS	LCS	SOLID	05/21/2025	1.00	100.0	100.00
Q2085-01	SC-4-SED-051525	SAM	SOLID	05/21/2025	1.27	100.0	75.70
Q2085-02	SC-3-SED-051525	SAM	SOLID	05/21/2025	1.15	100.0	73.80
Q2085-03	SC-2-SED-051525	SAM	SOLID	05/21/2025	1.27	100.0	79.30
Q2085-04	SC-1-SED-051625	SAM	SOLID	05/21/2025	1.40	100.0	70.50
Q2085-04DUP	SC-1-SED-051625DUP	DUP	SOLID	05/21/2025	1.33	100.0	70.50
Q2085-05	SC-1-SED-051625MS	MS	SOLID	05/21/2025	1.31	100.0	70.50
Q2085-06	SC-1-SED-051625MSD	MSD	SOLID	05/21/2025	1.28	100.0	70.50
Q2085-07	SC-COMP-SED-051625	SAM	SOLID	05/21/2025	1.31	100.0	73.50
Q2085-08	DUPE-1-SC	SAM	SOLID	05/21/2025	1.41	100.0	76.20

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>US Army Corp of Engineers</u>	SDG No.:	<u>Q2085</u>
Contract:	<u>USAR03</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>Q2085</u>
		SAS No.:	<u>Q2085</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168173							
PB168173BL	PB168173BL	MB	SOLID	05/27/2025	0.50	35.0	100.00
PB168173BS	PB168173BS	LCS	SOLID	05/27/2025	0.57	35.0	100.00
Q2085-01	SC-4-SED-051525	SAM	SOLID	05/27/2025	0.59	35.0	75.70
Q2085-02	SC-3-SED-051525	SAM	SOLID	05/27/2025	0.60	35.0	73.80
Q2085-03	SC-2-SED-051525	SAM	SOLID	05/27/2025	0.59	35.0	79.30
Q2085-04	SC-1-SED-051625	SAM	SOLID	05/27/2025	0.58	35.0	70.50
Q2085-04DUP	SC-1-SED-051625DUP	DUP	SOLID	05/27/2025	0.55	35.0	70.50
Q2085-05	SC-1-SED-051625MS	MS	SOLID	05/27/2025	0.56	35.0	70.50
Q2085-06	SC-1-SED-051625MSD	MSD	SOLID	05/27/2025	0.54	35.0	70.50
Q2085-07	SC-COMP-SED-051625	SAM	SOLID	05/27/2025	0.60	35.0	73.50
Q2085-08	DUPE-1-SC	SAM	SOLID	05/27/2025	0.58	35.0	76.20

metals
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ANALYSIS RUN LOG

Client: US Army Corp of Engineers **Contract:** USAR03

Lab code: CHEM **Case no.:** Q2085 **Sas no.:** Q2085 **Sdg no.:** Q2085

Instrument id number: **Method:** **Run number:** LB135886

Start date: 05/21/2025 **End date:** 05/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1353	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1400	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1403	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1407	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1409	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1412	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1415	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1418	Al,Ca,Fe,K,Mg,Na
ICV01	ICV01	1	1430	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1433	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1437	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1440	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1443	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1451	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1457	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1500	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1559	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1605	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168105BL	PB168105BL	1	1645	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168105BS	PB168105BS	1	1649	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2085-01	SC-4-SED-051525	1	1654	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1657	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1728	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2085-02	SC-3-SED-051525	1	1732	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2085-03	SC-2-SED-051525	1	1735	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2085-04	SC-1-SED-051625	1	1739	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2085-04DUP	SC-1-SED-051625DUP	1	1742	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2085-04L	SC-1-SED-051625L	5	1745	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2085-05	SC-1-SED-051625MS	1	1748	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2085-06	SC-1-SED-051625MSD	1	1751	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2085-04A	SC-1-SED-051625A	1	1754	Ag,Al,As,Fe
Q2085-07	SC-COMP-SED-051625	1	1756	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2085-08	DUPE-1-SC	1	1800	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1804	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1816	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: US Army Corp of Engineers **Contract:** USAR03

Lab code: CHEM **Case no.:** Q2085 **Sas no.:** Q2085 **Sdg no.:** Q2085

Instrument id number: **Method:** **Run number:** LB135943

Start date: 05/29/2025 **End date:** 05/29/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1053	HG
S0.2	S0.2	1	1055	HG
S2.5	S2.5	1	1057	HG
S5	S5	1	1110	HG
S7.5	S7.5	1	1112	HG
S10	S10	1	1115	HG
ICV21	ICV21	1	1118	HG
ICB21	ICB21	1	1120	HG
CCV76	CCV76	1	1122	HG
CCB76	CCB76	1	1127	HG
CRA	CRA	1	1138	HG
PB168173BL	PB168173BL	1	1155	HG
PB168173BS	PB168173BS	1	1158	HG
Q2085-01	SC-4-SED-051525	1	1202	HG
Q2085-02	SC-3-SED-051525	1	1205	HG
Q2085-03	SC-2-SED-051525	1	1207	HG
Q2085-04	SC-1-SED-051625	1	1210	HG
CCV77	CCV77	1	1225	HG
CCB77	CCB77	1	1230	HG
Q2085-04DUP	SC-1-SED-051625DUP	1	1232	HG
Q2085-05	SC-1-SED-051625MS	1	1243	HG
Q2085-06	SC-1-SED-051625MSD	1	1245	HG
Q2085-07	SC-COMP-SED-051625	1	1248	HG
Q2085-08	DUPE-1-SC	1	1250	HG
Q2085-04L	SC-1-SED-051625L	5	1257	HG
CCV78	CCV78	1	1301	HG
CCB78	CCB78	1	1304	HG
CCV79	CCV79	1	1319	HG
CCB79	CCB79	1	1322	HG

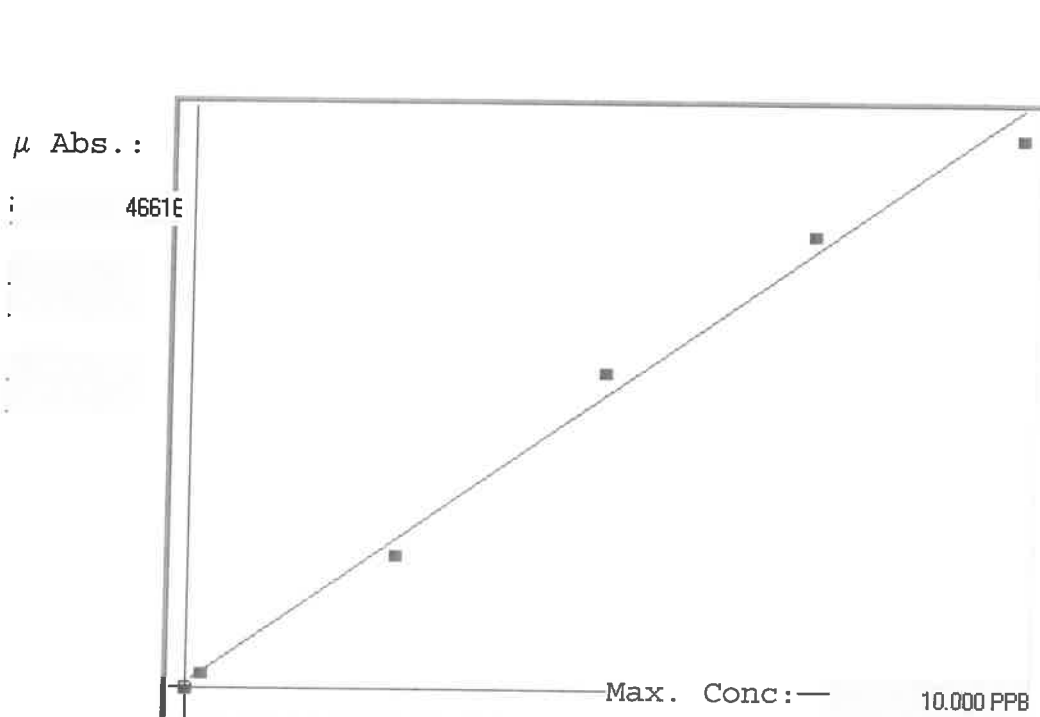


METAL RAW DATA

LB135943

7471B

INSTRUMENT ID: CV1



A= 0.0000e+000

B= 2.0595e-004

C= -8.4496e-002

Rho= 0.9961807

Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	
0.0	0.000	-0.061	-0.061	115	0.000	115					0/00
0.2	0.200	0.197	-0.003	1367	0.0 %	1367					-2
2.5	2.500	2.251	-0.249	11341	0.0 %	11341					-16
5.0	5.000	5.454	0.454	26892	0.0 %	26892					9
7.5	7.500	7.842	0.342	38488	0.0 %	38488					6
10.0	10.000	9.516	-0.484	46616	0.0 %	46616					-5

LB13543 INSTRUMENT ID : CV1

Method: 7471B

Operator: Admin

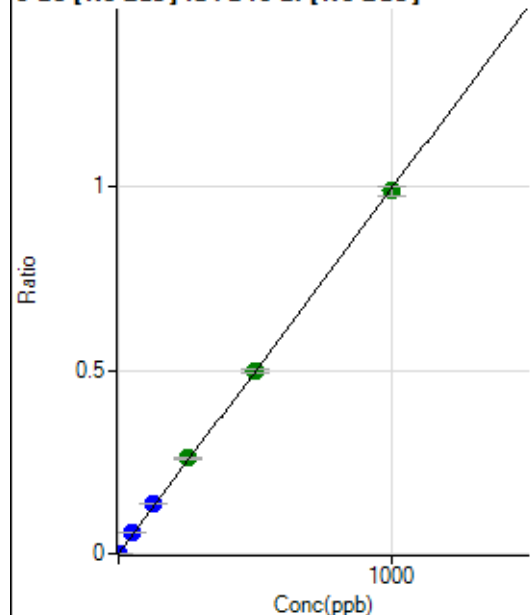
Date of Analysis: 29 May 2025 10:40:03

Sample ID	Extended ID	μ Abs.	Conc.	Std Conc	Method	Units	Date	Type	Type
0.0 - 1	50	115	-	0.0000	7471B	PPB	29 May 2025 10:53:23	S	Std
0.2 - 1	50.2	1367	-	0.2000	7471B	PPB	29 May 2025 10:55:40	S	Std
2.5 - 1	52.5	11341	-	2.5000	7471B	PPB	29 May 2025 10:57:57	S	Std
5.0 - 1	55	26892	-	5.0000	7471B	PPB	29 May 2025 11:10:25	S	Std
7.5 - 1	52.5	38488	-	7.5000	7471B	PPB	29 May 2025 11:12:44	S	Std
10.0 - 1	52	46616	-	10.0000	7471B	PPB	29 May 2025 11:15:24	S	Std
ICV21 - 1	ICV21	19052	3.8393	-	7471B	PPB	29 May 2025 11:18:20	U	SMPL
ICB21 - 1	ICB21	171	-0.0493	-	7471B	PPB	29 May 2025 11:20:35	U	SMPL
CCV76 - 1	CCV76	23874	4.8325	-	7471B	PPB	29 May 2025 11:22:52	U	SMPL
CCB76 - 1	CCB76	259	-0.0312	-	7471B	PPB	29 May 2025 11:27:46	U	SMPL
CRA - 1	CRA	1465	0.2172	-	7471B	PPB	29 May 2025 11:38:10	U	SMPL
HighStd - 1	HighStd	45896	9.3680	-	7471B	PPB	29 May 2025 11:45:44	U	SMPL
ChkStd - 1	ChkStd	31902	6.4858	-	7471B	PPB	29 May 2025 11:50:51	U	SMPL
PB168173BL - 1	PB168173BL	283	-0.0262	-	7471B	PPB	29 May 2025 11:55:53	U	SMPL
PB168173BS - 1	PB168173BS	17394	3.4979	-	7471B	PPB	29 May 2025 11:58:09	U	SMPL
Q1872-10 - 1	HW0425-PT-MET-SOIL	739022	HIGH	-	7471B	PPB	29 May 2025 12:00:25	X	
Q2085-01 - 1	SC-4-SED-051525	-385	-0.1638	-	7471B	PPB	29 May 2025 12:02:19	U	SMPL
Q2085-02 - 1	SC-3-SED-051525	765	0.0731	-	7471B	PPB	29 May 2025 12:05:29	U	SMPL
Q2085-03 - 1	SC-2-SED-051525	-73	-0.0995	-	7471B	PPB	29 May 2025 12:07:48	U	SMPL
Q2085-04 - 1	SC-1-SED-051625	609	0.0409	-	7471B	PPB	29 May 2025 12:10:05	U	SMPL
CCV77 - 1	CCV77	25128	5.0907	-	7471B	PPB	29 May 2025 12:25:30	U	SMPL
CCB77 - 1	CCB77	211	-0.0410	-	7471B	PPB	29 May 2025 12:30:37	U	SMPL
Q2085-04DUP - 1	SC-1-SED-051625DUP	577	0.0343	-	7471B	PPB	29 May 2025 12:32:51	U	SMPL
Q2085-05 - 1	Q2085-04MS	20738	4.1866	-	7471B	PPB	29 May 2025 12:43:33	U	SMPL
Q2085-06 - 1	Q2085-04MSD	21927	4.4315	-	7471B	PPB	29 May 2025 12:45:50	U	SMPL
Q2085-07 - 1	SC-COMP-SED-051625	780	0.0761	-	7471B	PPB	29 May 2025 12:48:09	U	SMPL
Q2085-08 - 1	DUPE-1-SC	748	0.0696	-	7471B	PPB	29 May 2025 12:50:27	U	SMPL
Q2127-01 - 1	COMP-1	2646	0.4605	-	7471B	PPB	29 May 2025 12:52:45	U	SMPL
Q2127-11 - 1	COMP-2	1540	0.2327	-	7471B	PPB	29 May 2025 12:55:03	U	SMPL
Q2085-04LX5 - 1		-55	-0.0958	-	7471B	PPB	29 May 2025 12:57:23	U	SMPL
Q2085-04A - 1		21076	4.2562	-	7471B	PPB	29 May 2025 12:59:41	U	SMPL
CCV78 - 1	CCV78	25487	5.1647	-	7471B	PPB	29 May 2025 13:01:57	U	SMPL
CCB78 - 1	CCB78	7	-0.0831	-	7471B	PPB	29 May 2025 13:04:15	U	SMPL
Q1872-10DLX25 - 1	HW0425-PT-MET-SOIL	64634	13.2271	-	7471B	PPB	29 May 2025 13:06:34	U	SMPL
Q1872-10DL2X50 - 1	HW0425-PT-MET-SOIL	32513	6.6117	-	7471B	PPB	29 May 2025 13:08:49	U	SMPL
CCV7 - 1	CCV7	25937	5.2573	-	7471B	PPB	29 May 2025 13:19:41	U	SMPL
CCB79 - 1	CCB79	233	-0.0365	-	7471B	PPB	29 May 2025 13:22:01	U	SMPL

Batch Folder: D:\Agilent\ICPMH\1\DATA\P805225 MS.b\
Analysis File: P805225 MS.batch.bin
DA Date-Time: 2025-05-21 19:18:58
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	S00	2025-05-21 13:53:59
2	006CALS.d	S02	2025-05-21 14:00:39
3	007CALB.d	S03	2025-05-21 14:03:58
4	008CALS.d	S04	2025-05-21 14:07:00
5	009CALS.d	S05	2025-05-21 14:09:54
6	010CALS.d	S06	2025-05-21 14:12:43
7	011CALS.d	S07	2025-05-21 14:15:28
8	012CALS.d	S08	2025-05-21 14:18:15

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	117.12	0.0000	P	14.5
2	☐	1.000	1.190	6282.99	0.0012	P	2.9
3	☐	50.000	56.593	296216.31	0.0563	P	1.5
4	☐	125.000	136.490	721633.23	0.1358	P	1.4
5	☐	250.000	261.923	1345674.32	0.2607	A	0.8
6	☐	500.000	501.500	2551022.99	0.4991	A	2.5
7	☐	1000.000	994.503	4829381.79	0.9896	A	2.5
8	☐			823.48	0.0002	P	19.5

$$y = 9.9508E-004 * x + 2.2866E-005$$

$$R = 0.9999$$

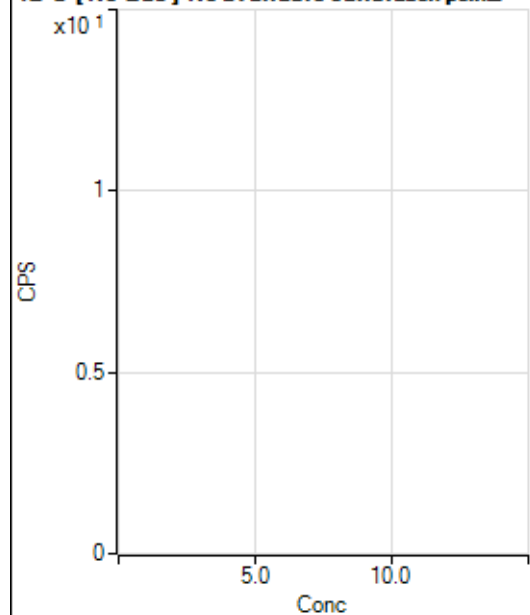
$$DL = 0.01002$$

$$BEC = 0.02298$$

Weight: <None>

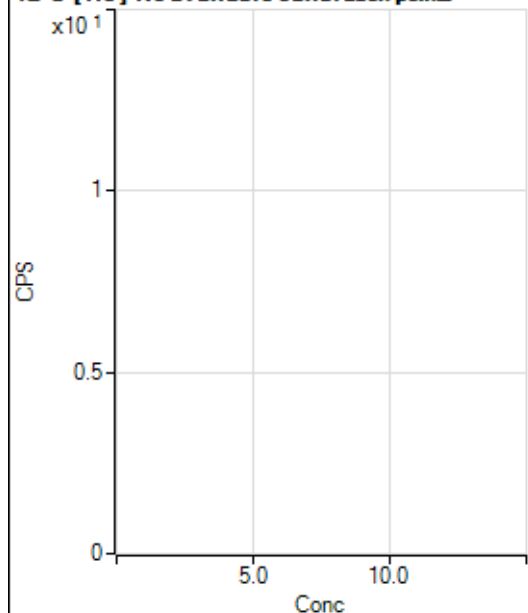
Min Conc: 0

12 C [No Gas] No available calibration points



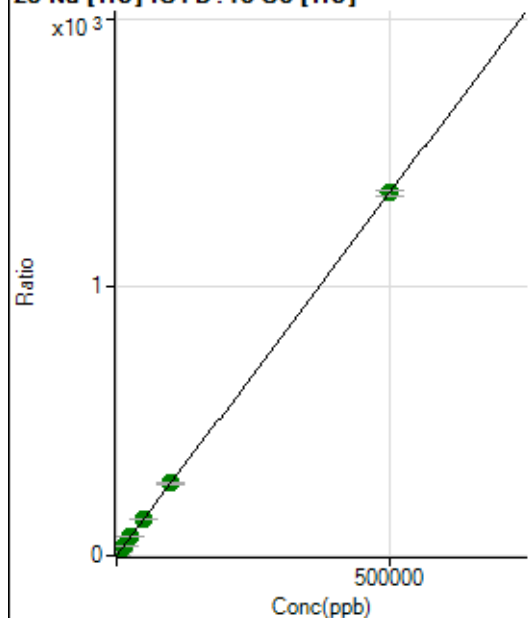
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			3871617.37		A	1.2
2	☐			3852386.71		A	1.8
3	☐			3842778.24		A	0.8
4	☐			3798226.92		A	0.5
5	☐			3707739.46		A	1.0
6	☐			3693026.68		A	1.0
7	☐			3802684.28		A	0.5
8	☐			3500215.99		A	0.8

12 C [He] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			29756.83		P	1.7
2	☐			29647.73		P	1.1
3	☐			29852.57		P	0.3
4	☐			29612.08		P	1.5
5	☐			29076.57		P	0.2
6	☐			29903.77		P	2.0
7	☐			31495.94		P	0.6
8	☐			35673.22		P	0.3

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	28614.76	0.1417	P	0.6
2	☐	500.000	499.844	304640.53	1.4930	P	1.6
3	☐	5000.000	5202.898	2828937.91	14.2082	A	0.5
4	☐	12500.000	12690.678	6761645.87	34.4522	A	1.9
5	☐	25000.000	25799.111	13267193.00	69.8922	A	1.5
6	☐	50000.000	49886.801	25421659.90	135.0158	A	1.9
7	☐	100000.00	99410.439	49763380.37	268.9080	A	0.7
8	☐	500000.00	500082.48	231820623.2	1,352.166	A	1.4

$$y = 0.0027 * x + 0.1417$$

$$R = 1.0000$$

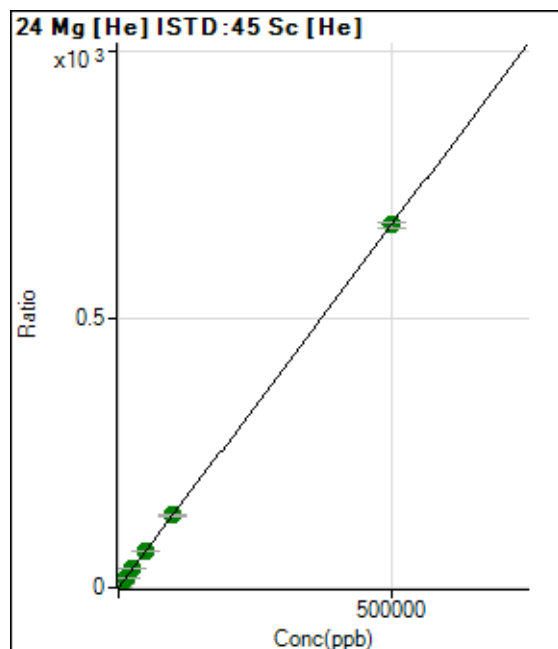
$$DL = 0.8668$$

$$BEC = 52.4$$

Weight: <None>

Min Conc: 0

Calibration for 006CAL5.d



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	408.90	0.0020	P	13.7
2	☐	500.000	522.541	144602.67	0.7087	P	1.2
3	☐	5000.000	5286.523	1423841.39	7.1512	A	0.6
4	☐	12500.000	12869.881	3416092.17	17.4064	A	2.2
5	☐	25000.000	26101.815	6700818.86	35.3004	A	0.7
6	☐	50000.000	50414.139	12837013.00	68.1788	A	1.7
7	☐	100000.00	99815.155	24979582.40	134.9854	A	1.1
8	☐	500000.00	499928.33	115899398.2	676.0719	A	1.7

$$y = 0.0014 * x + 0.0020$$

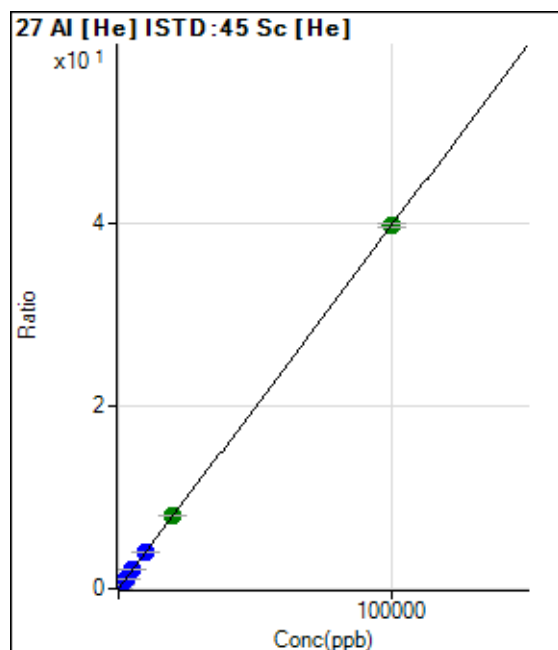
$$R = 1.0000$$

$$DL = 0.6174$$

$$BEC = 1.497$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	156.67	0.0008	P	8.8
2	☐	20.000	19.443	1737.90	0.0085	P	2.0
3	☐	1000.000	1048.624	83297.17	0.4184	P	0.6
4	☐	2500.000	2588.256	202436.71	1.0315	P	1.1
5	☐	5000.000	5217.059	394503.44	2.0783	P	1.0
6	☐	10000.000	10121.408	758915.86	4.0313	P	2.7
7	☐	20000.000	20185.106	1487664.16	8.0388	A	0.9
8	☐	100000.00	99937.292	6822680.31	39.7974	A	1.2

$$y = 3.9822E-004 * x + 7.7533E-004$$

$$R = 1.0000$$

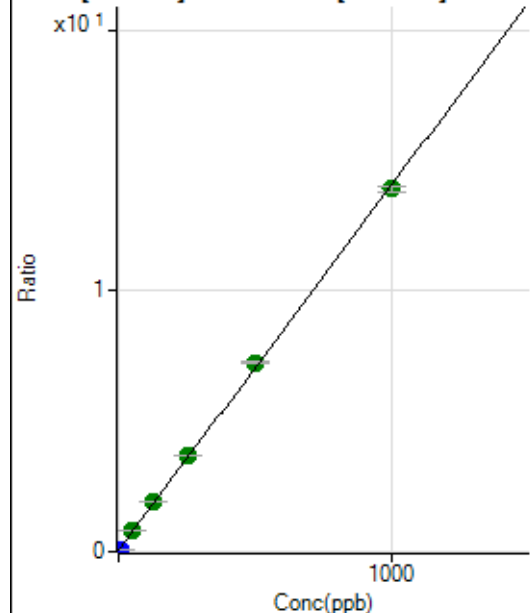
$$DL = 0.5115$$

$$BEC = 1.947$$

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	577385.62	0.0545	P	2.5
2	☐	10.000	0.665	677101.87	0.0638	P	2.5
3	☐	50.000	52.616	8249098.56	0.7912	A	1.6
4	☐	125.000	132.222	19376668.18	1.9058	A	1.9
5	☐	250.000	261.243	36821069.45	3.7122	A	0.3
6	☐	500.000	512.923	69936313.96	7.2361	A	1.2
7	☐	1000.000	989.787	131716096.9	13.9128	A	1.6
8	☐			617787.86	0.0698	M	8.9

$$y = 0.0140 * x + 0.0545$$

$$R = 0.9997$$

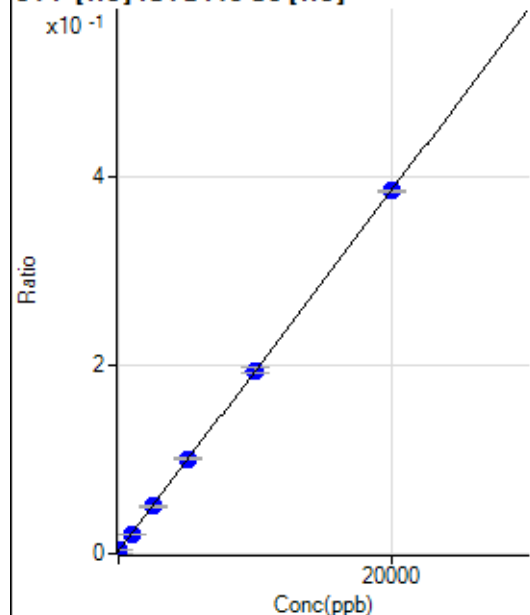
$$DL = 0.2904$$

$$BEC = 3.892$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-118.974	67.78	0.0003	P	24.1
2	☐	0.000	118.974	996.71	0.0049	P	3.6
3	☐	1000.000	917.736	4013.93	0.0202	P	4.3
4	☐	2500.000	2483.169	9832.29	0.0501	P	1.4
5	☐	5000.000	5126.291	19103.77	0.1006	P	1.9
6	☐	10000.000	10023.586	36576.03	0.1943	P	2.8
7	☐	20000.000	19962.851	71128.73	0.3844	P	0.7
8	☐			78.89	0.0005	P	13.1

$$y = 1.9123E-005 * x + 0.0026$$

$$R = 0.9999$$

$$DL = 20.33$$

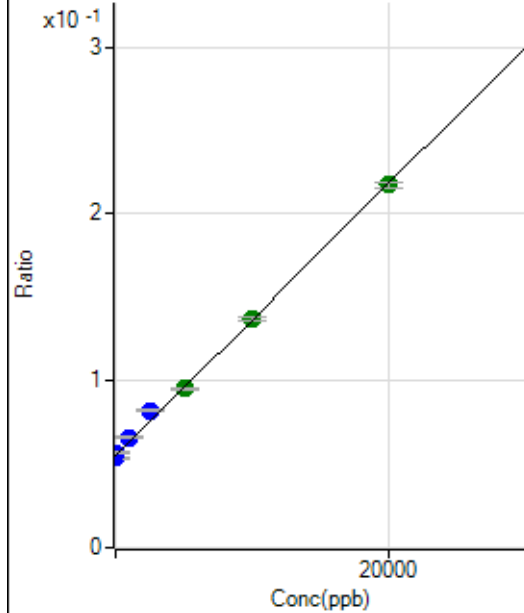
$$BEC = 136.5$$

Weight: <None>

Min Conc: 0

Calibration for 006CAL.S.d

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	-180.516	570080.99	0.0538	P	1.2
2	☐	0.000	180.516	602307.56	0.0568	P	2.0
3	☐	1000.000	1334.179	689850.29	0.0662	P	0.8
4	☐	2500.000	3311.405	836816.88	0.0823	P	1.4
5	☐	5000.000	4915.406	946097.26	0.0954	A	0.8
6	☐	10000.000	10057.749	1327422.62	0.1373	A	1.4
7	☐	20000.000	19874.140	2058518.49	0.2174	A	1.7
8	☐			434007.61	0.0490	P	0.6

$$y = 8.1591E-006 * x + 0.0553$$

R = 0.9990

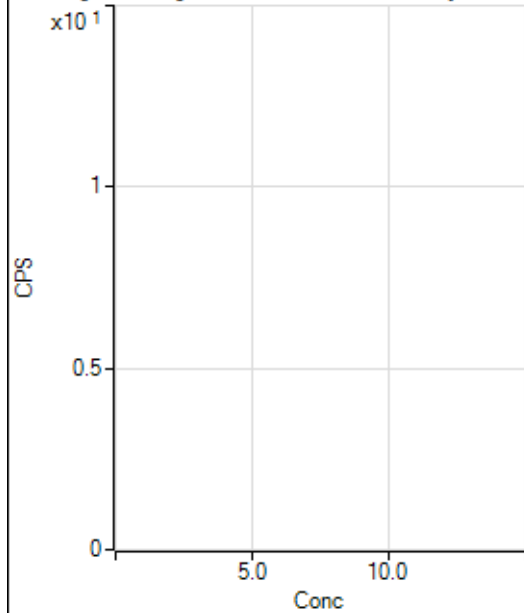
DL = 329.6

BEC = 6776

Weight: <None>

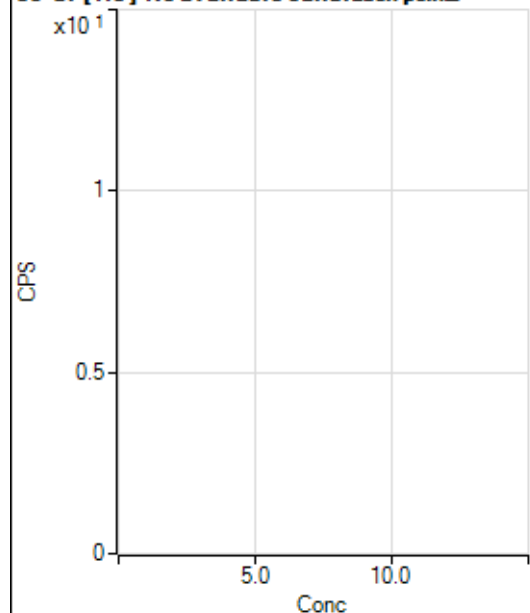
Min Conc: 0

35 Cl [No Gas] No available calibration points



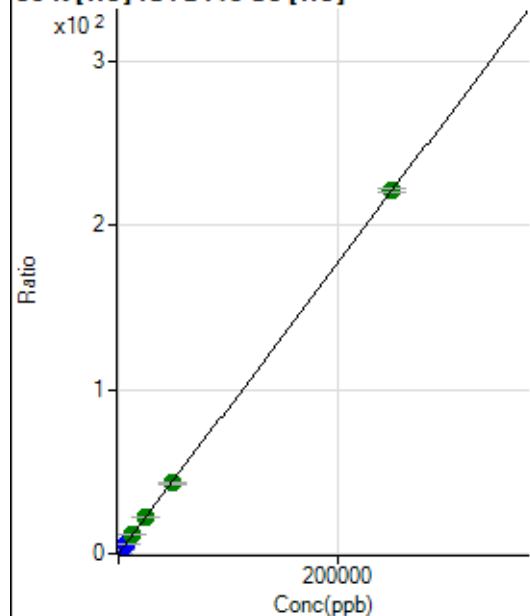
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			109309.69		P	0.4
2	☐			110206.35		P	0.9
3	☐			119128.42		P	0.5
4	☐			119590.91		P	0.6
5	☐			124465.92		P	0.7
6	☐			139148.80		P	1.3
7	☐			167405.77		P	2.6
8	☐			112963.12		P	0.9

35 Cl [He] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			428.90		P	10.6
2	☐			394.45		P	5.4
3	☐			483.35		P	4.8
4	☐			465.57		P	7.7
5	☐			441.12		P	4.4
6	☐			554.46		P	1.5
7	☐			666.69		P	13.4
8	☐			492.24		P	6.4

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	13718.81	0.0679	P	1.1
2	☐	500.000	487.881	101731.93	0.4986	P	2.0
3	☐	2500.000	2567.030	464684.10	2.3339	P	0.7
4	☐	6250.000	6352.559	1113936.58	5.6756	P	0.2
5	☐	12500.000	12782.289	2154739.59	11.3513	A	0.4
6	☐	25000.000	24706.928	4119978.65	21.8777	A	0.7
7	☐	50000.000	48420.785	7922510.86	42.8108	A	1.5
8	☐	250000.00	250327.82	37895397.49	221.0421	A	1.2

$$y = 8.8274E-004 * x + 0.0679$$

$$R = 1.0000$$

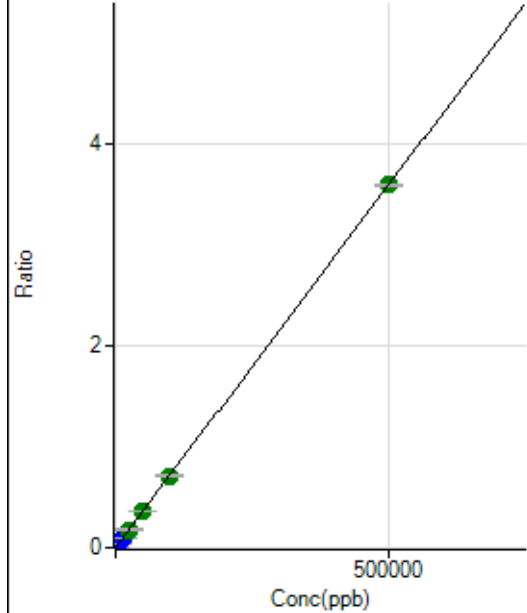
$$DL = 2.56$$

$$BEC = 76.93$$

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	881.15	0.0001	P	3.5
2	☐	500.000	483.562	37766.21	0.0036	P	3.2
3	☐	5000.000	5117.017	384315.78	0.0369	P	1.4
4	☐	12500.000	12676.074	927348.50	0.0912	P	0.6
5	☐	25000.000	25059.287	1787246.31	0.1802	A	1.9
6	☐	50000.000	50023.071	3475556.37	0.3596	A	1.4
7	☐	100000.00	99035.490	6740661.01	0.7119	A	1.3
8	☐	500000.00	500182.07	31835906.75	3.5953	A	0.2

$$y = 7.1878E-006 * x + 8.3178E-005$$

$$R = 1.0000$$

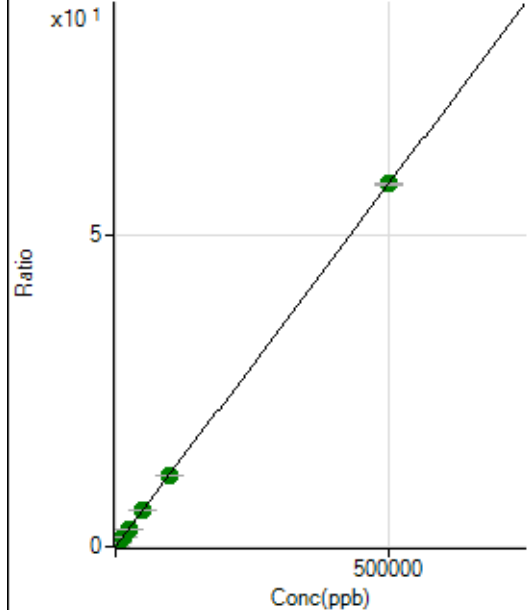
$$DL = 1.206$$

$$BEC = 11.57$$

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	29104.95	0.0027	P	1.0
2	☐	500.000	485.619	629240.72	0.0593	P	2.0
3	☐	5000.000	4980.951	6074800.12	0.5827	A	2.4
4	☐	12500.000	12342.072	14640033.39	1.4399	A	1.5
5	☐	25000.000	24628.238	28472124.29	2.8705	A	0.8
6	☐	50000.000	49670.507	55921058.61	5.7864	A	1.5
7	☐	100000.00	97888.729	107943188.3	11.4009	A	1.5
8	☐	500000.00	500477.94	516053272.3	58.2783	A	0.6

$$y = 1.1644E-004 * x + 0.0027$$

$$R = 1.0000$$

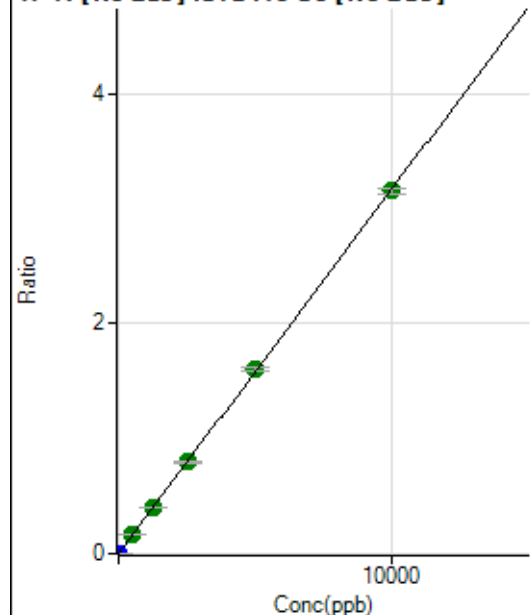
$$DL = 0.74$$

$$BEC = 23.59$$

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	197.78	0.0000	P	5.0
2	☐	5.000	5.218	17739.95	0.0017	P	1.7
3	☐	500.000	513.106	1694506.99	0.1625	A	1.5
4	☐	1250.000	1259.314	4055609.91	0.3989	A	1.7
5	☐	2500.000	2508.580	7881140.72	0.7946	A	0.8
6	☐	5000.000	5064.113	15502030.46	1.6040	A	1.6
7	☐	10000.000	9963.979	29880390.39	3.1559	A	1.4
8	☐			2849.20	0.0003	P	6.8

$$y = 3.1673E-004 * x + 1.8661E-005$$

$$R = 1.0000$$

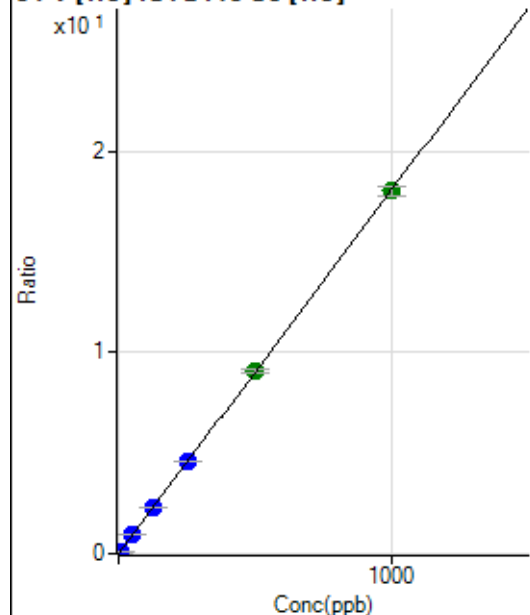
$$DL = 0.008846$$

$$BEC = 0.05892$$

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	24.44	0.0001	P	47.5
2	☐	5.000	5.015	18505.39	0.0907	P	0.7
3	☐	50.000	52.158	187567.11	0.9421	P	0.5
4	☐	125.000	126.589	448729.16	2.2863	P	0.8
5	☐	250.000	253.244	868167.32	4.5736	P	1.0
6	☐	500.000	501.941	1706702.20	9.0650	A	2.6
7	☐	1000.000	997.912	3334681.13	18.0220	A	2.7
8	☐			912.26	0.0053	P	2.6

$$y = 0.0181 * x + 1.2080E-004$$

$$R = 1.0000$$

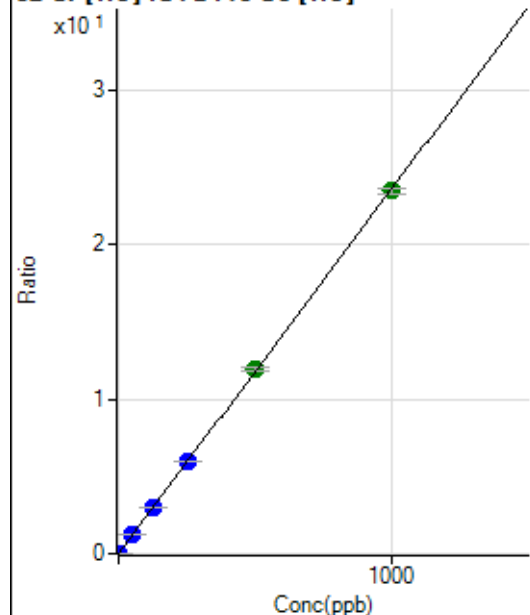
$$DL = 0.009524$$

$$BEC = 0.006689$$

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	920.04	0.0046	P	5.6
2	☐	2.000	1.982	10458.34	0.0513	P	0.5
3	☐	50.000	52.159	245538.84	1.2332	P	0.5
4	☐	125.000	126.503	585750.58	2.9845	P	0.6
5	☐	250.000	253.879	1136078.73	5.9850	P	0.4
6	☐	500.000	506.818	2248678.82	11.9433	A	1.9
7	☐	1000.000	995.325	4339511.29	23.4506	A	1.3
8	☐			6031.33	0.0352	P	0.5

$$y = 0.0236 * x + 0.0046$$

$$R = 1.0000$$

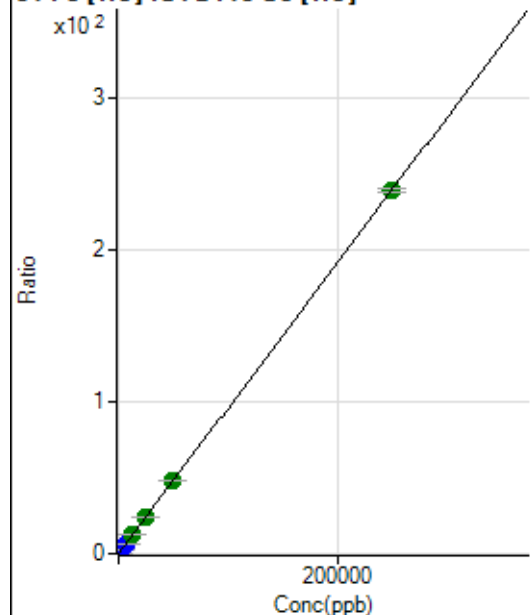
$$DL = 0.03227$$

$$BEC = 0.1934$$

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	874.97	0.0043	P	78.5
2	☐	50.000	51.678	10969.85	0.0538	P	0.1
3	☐	2500.000	2655.057	506554.31	2.5441	P	1.1
4	☐	6250.000	6503.698	1221844.73	6.2256	P	1.1
5	☐	12500.000	13264.799	2409433.70	12.6932	A	0.8
6	☐	25000.000	25377.872	4570768.86	24.2803	A	3.0
7	☐	50000.000	50258.708	8897205.70	48.0808	A	2.1
8	☐	250000.00	249864.33	40977467.17	239.0198	A	1.0

$$y = 9.5658E-004 * x + 0.0043$$

$$R = 1.0000$$

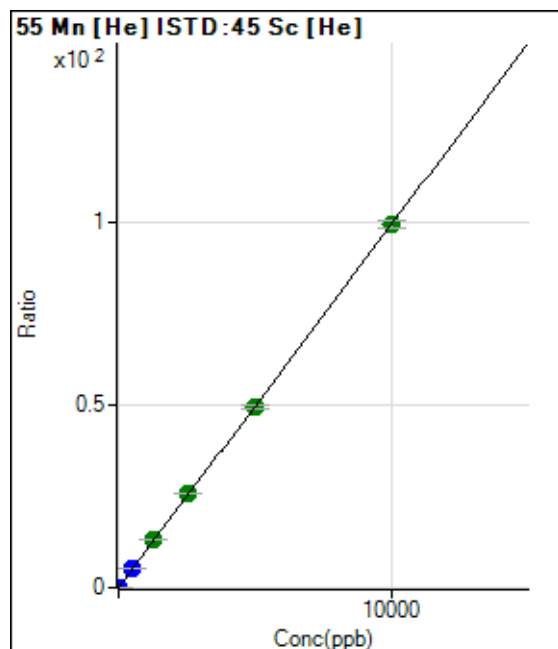
$$DL = 10.64$$

$$BEC = 4.518$$

Weight: <None>

Min Conc: 0

Calibration for 006CAL5.d



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	4468.52	0.0221	P	1.9
2	☐	1.000	1.060	6666.06	0.0327	P	1.1
3	☐	500.000	519.491	1033919.90	5.1927	P	1.2
4	☐	1250.000	1303.591	2550857.11	12.9971	A	0.7
5	☐	2500.000	2595.234	4907484.20	25.8531	A	0.4
6	☐	5000.000	4965.467	9309502.99	49.4446	A	1.8
7	☐	10000.000	9985.785	18395132.51	99.4129	A	2.0
8	☐			7908.92	0.0461	P	1.2

$$y = 0.0100 * x + 0.0221$$

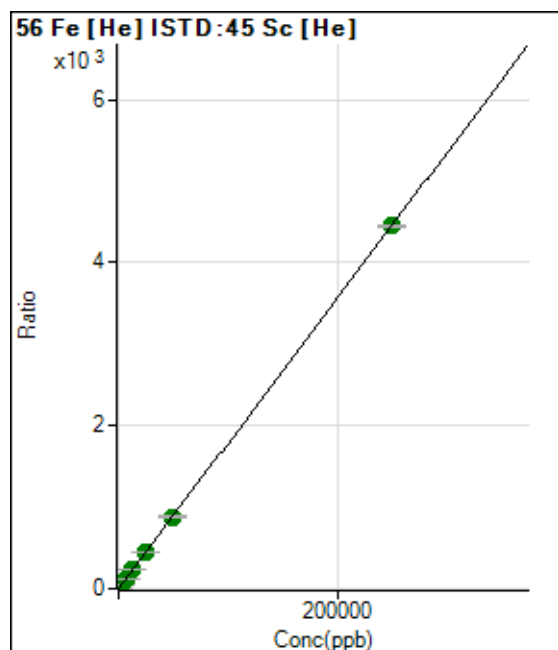
$$R = 0.9999$$

$$DL = 0.1275$$

$$BEC = 2.223$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	4989.81	0.0247	P	2.1
2	☐	50.000	51.256	191171.67	0.9370	P	3.0
3	☐	2500.000	2586.051	9169902.57	46.0558	A	0.2
4	☐	6250.000	6387.404	22318301.33	113.7191	A	1.6
5	☐	12500.000	12884.355	43537966.58	229.3634	A	1.1
6	☐	25000.000	24985.823	83743863.20	444.7669	A	1.6
7	☐	50000.000	49535.251	163160446.4	881.7413	A	1.7
8	☐	250000.00	250070.85	763117188.6	4,451.231	A	0.8

$$y = 0.0178 * x + 0.0247$$

$$R = 1.0000$$

$$DL = 0.08893$$

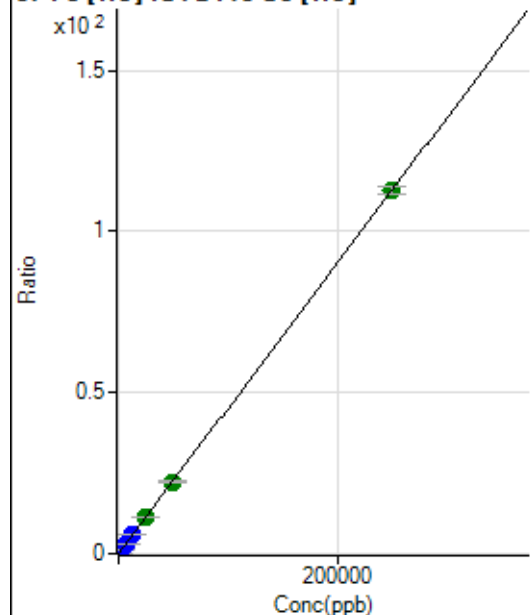
$$BEC = 1.388$$

Weight: <None>

Min Conc: 0

Calibration for 006CAL5.d

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	136.67	0.0007	P	30.0
2	☐	50.000	52.671	4975.36	0.0244	P	5.4
3	☐	2500.000	2586.618	232014.54	1.1653	P	1.0
4	☐	6250.000	6360.166	562182.66	2.8644	P	0.7
5	☐	12500.000	12705.908	1086096.83	5.7217	P	0.5
6	☐	25000.000	25693.018	2178644.50	11.5692	A	1.0
7	☐	50000.000	49393.930	4115316.99	22.2408	A	2.3
8	☐	250000.00	250037.99	19299650.96	112.5831	A	2.1

$$y = 4.5026\text{E-}004 * x + 6.7580\text{E-}004$$

$$R = 1.0000$$

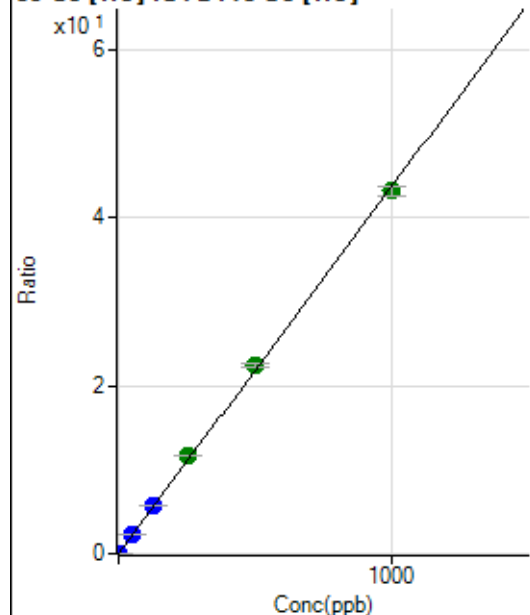
$$DL = 1.351$$

$$BEC = 1.501$$

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	84.45	0.0004	P	16.5
2	☐	1.000	1.091	9810.11	0.0481	P	1.2
3	☐	50.000	53.317	464005.71	2.3305	P	1.3
4	☐	125.000	129.188	1108121.06	5.6461	P	0.9
5	☐	250.000	266.985	2214861.48	11.6681	A	0.4
6	☐	500.000	512.619	4217991.67	22.4027	A	1.9
7	☐	1000.000	988.755	7995267.80	43.2105	A	2.6
8	☐			8702.74	0.0508	P	3.8

$$y = 0.0437 * x + 4.1829\text{E-}004$$

$$R = 0.9997$$

$$DL = 0.004745$$

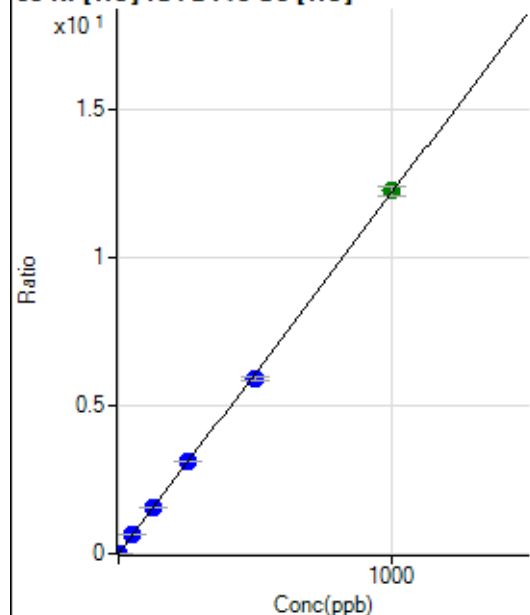
$$BEC = 0.009572$$

Weight: <None>

Min Conc: 0

Calibration for 006CAL5.d

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	285.56	0.0014	P	11.4
2	☐	1.000	0.947	2643.61	0.0130	P	7.4
3	☐	50.000	52.971	128888.90	0.6473	P	0.2
4	☐	125.000	126.535	303103.06	1.5444	P	1.1
5	☐	250.000	255.407	591461.87	3.1159	P	0.3
6	☐	500.000	485.674	1115206.53	5.9238	P	2.5
7	☐	1000.000	1005.471	2268871.79	12.2622	A	2.6
8	☐			5254.36	0.0306	P	1.4

$$y = 0.0122 * x + 0.0014$$

$$R = 0.9998$$

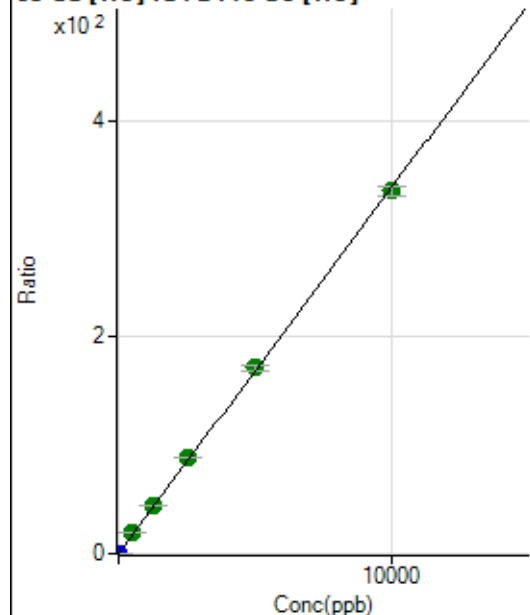
$$DL = 0.03967$$

$$BEC = 0.1159$$

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	1631.22	0.0081	P	3.5
2	☐	2.000	2.183	16702.14	0.0818	P	1.0
3	☐	500.000	564.405	3799666.78	19.0840	A	0.6
4	☐	1250.000	1320.775	8762778.83	44.6481	A	0.8
5	☐	2500.000	2646.158	16978371.97	89.4439	A	0.5
6	☐	5000.000	5074.086	32286140.35	171.5039	A	2.8
7	☐	10000.000	9914.350	62005069.63	335.0969	A	2.4
8	☐			9822.36	0.0573	P	1.3

$$y = 0.0338 * x + 0.0081$$

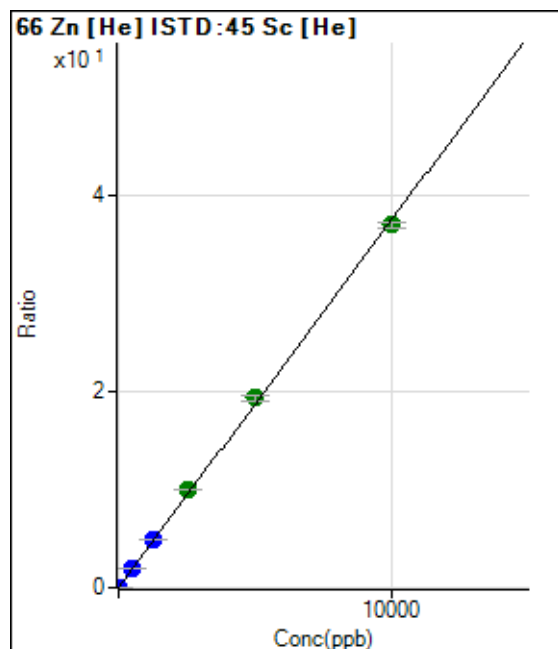
$$R = 0.9998$$

$$DL = 0.02517$$

$$BEC = 0.2389$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	360.01	0.0018	P	6.3
2	☐	2.000	5.350	4462.97	0.0219	P	5.2
3	☐	500.000	531.588	397976.69	1.9988	P	0.5
4	☐	1250.000	1289.574	951161.74	4.8464	P	1.0
5	☐	2500.000	2683.045	1913661.88	10.0813	A	0.1
6	☐	5000.000	5156.444	3647443.10	19.3733	A	2.2
7	☐	10000.000	9869.490	6861180.59	37.0791	A	1.8
8	☐			29111.02	0.1698	P	1.7

$$y = 0.0038 * x + 0.0018$$

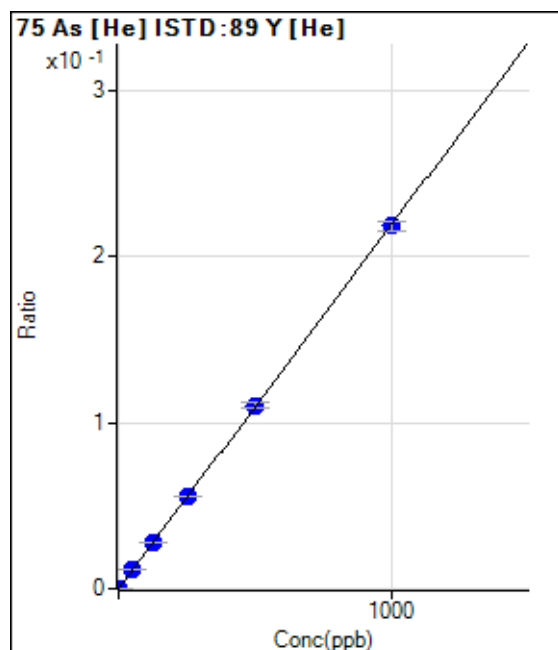
$$R = 0.9996$$

$$DL = 0.08981$$

$$BEC = 0.4744$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	6.66	0.0000	P	86.4
2	☐	1.000	1.083	552.24	0.0002	P	3.3
3	☐	50.000	51.135	25103.53	0.0112	P	3.2
4	☐	125.000	127.485	60325.09	0.0279	P	1.7
5	☐	250.000	253.865	117004.92	0.0556	P	1.0
6	☐	500.000	504.063	226196.84	0.1104	P	2.8
7	☐	1000.000	996.635	437856.65	0.2184	P	2.5
8	☐			217.78	0.0001	P	4.6

$$y = 2.1910E-004 * x + 2.9401E-006$$

$$R = 1.0000$$

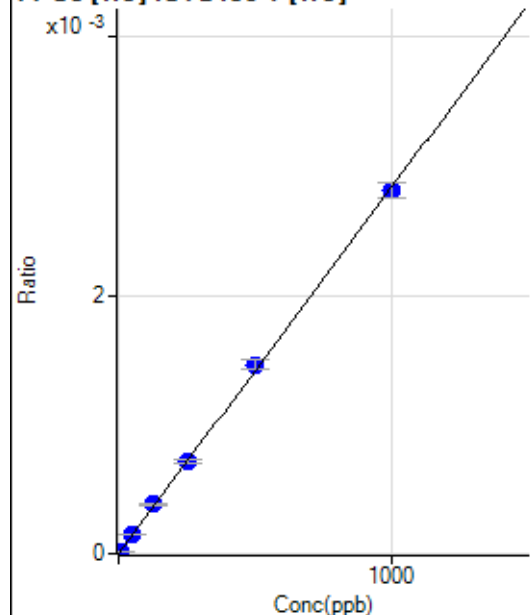
$$DL = 0.0348$$

$$BEC = 0.01342$$

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	0.00	0.0000	P	
2	☐	5.000	6.140	40.00	0.0000	P	9.2
3	☐	50.000	52.131	331.12	0.0001	P	2.6
4	☐	125.000	134.130	821.14	0.0004	P	4.6
5	☐	250.000	250.237	1492.32	0.0007	P	4.2
6	☐	500.000	516.310	2997.02	0.0015	P	5.1
7	☐	1000.000	990.532	5630.07	0.0028	P	4.2
8	☐			4.44	0.0000	P	43.0

$$y = 2.8355E-006 * x + 0.0000E+000$$

$$R = 0.9998$$

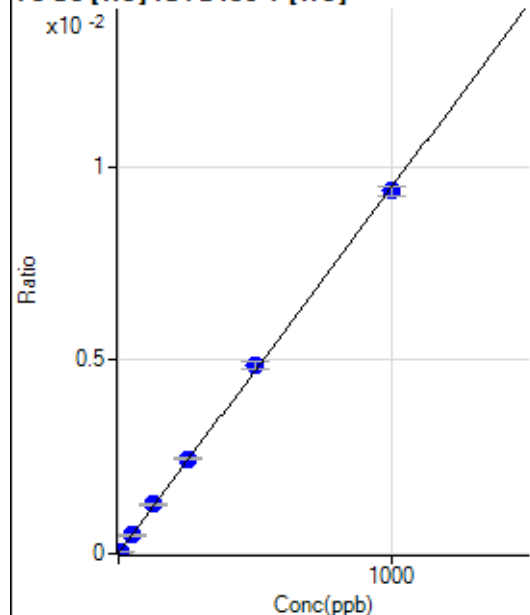
$$DL = 0$$

$$BEC = 0$$

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	20.00	0.0000	P	43.8
2	☐	5.000	4.538	118.89	0.0001	P	15.7
3	☐	50.000	49.942	1077.83	0.0005	P	8.2
4	☐	125.000	133.579	2743.63	0.0013	P	5.8
5	☐	250.000	259.058	5167.67	0.0025	P	3.5
6	☐	500.000	511.987	9923.56	0.0048	P	4.0
7	☐	1000.000	990.675	18787.14	0.0094	P	2.6
8	☐			24.45	0.0000	P	16.1

$$y = 9.4485E-006 * x + 8.8269E-006$$

$$R = 0.9998$$

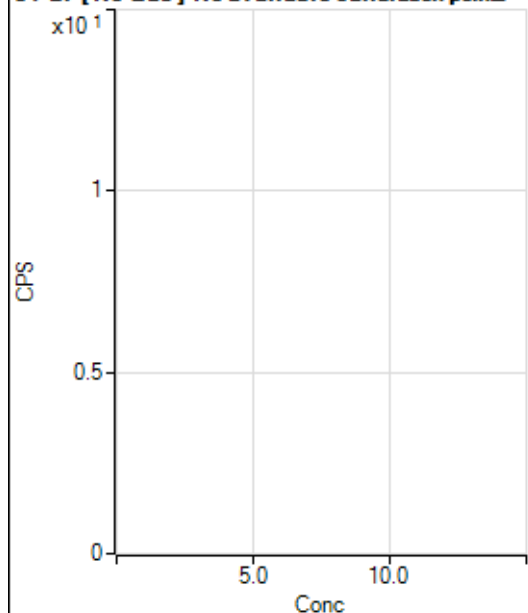
$$DL = 1.228$$

$$BEC = 0.9342$$

Weight: <None>

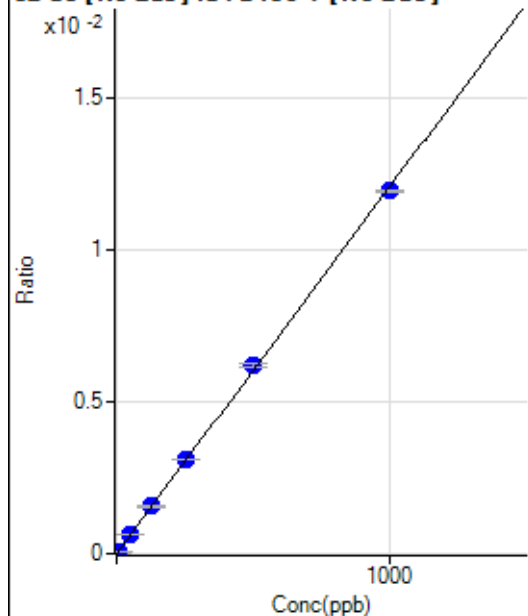
Min Conc: 0

81 Br [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			32270.51		P	0.1
2	☐			31751.65		P	0.9
3	☐			31270.46		P	0.6
4	☐			29245.05		P	1.0
5	☐			28268.56		P	0.5
6	☐			28199.53		P	3.9
7	☐			27854.41		P	1.8
8	☐			26696.56		P	0.6

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	11.11	0.0000	P	204.
2	☐	5.000	5.187	1903.51	0.0001	P	5.9
3	☐	50.000	52.306	18955.44	0.0006	P	2.5
4	☐	125.000	128.607	45774.23	0.0016	P	0.9
5	☐	250.000	258.458	89465.56	0.0031	P	0.8
6	☐	500.000	515.382	173819.77	0.0062	P	1.8
7	☐	1000.000	989.628	327462.77	0.0119	P	0.2
8	☐			262.23	0.0000	P	11.6

$$y = 1.2071E-005 * x + 3.6949E-007$$

$$R = 0.9998$$

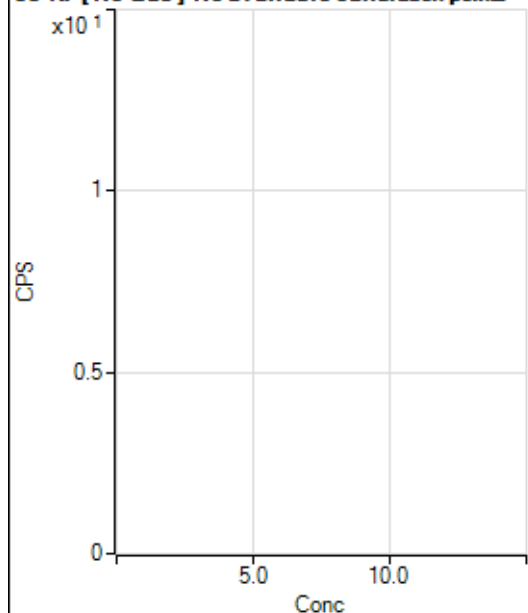
$$DL = 0.188$$

$$BEC = 0.03061$$

Weight: <None>

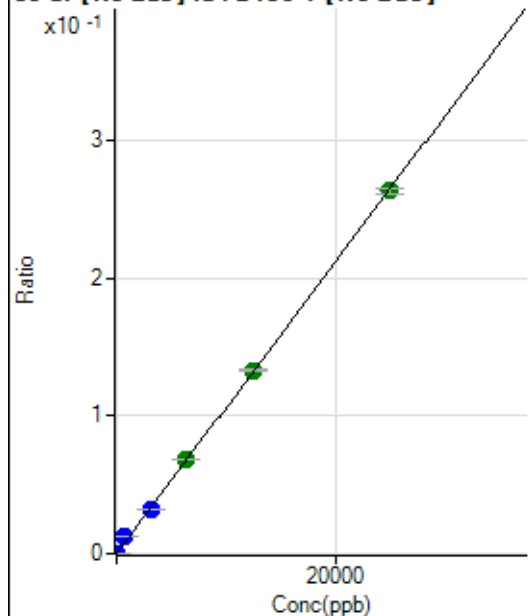
Min Conc: 0

83 Kr [No Gas] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			261.12		P	5.2
2	☐			224.45		P	12.1
3	☐			245.56		P	3.4
4	☐			257.79		P	6.5
5	☐			223.34		P	9.0
6	☐			250.01		P	7.4
7	☐			292.23		P	15.2
8	☐			330.01		P	12.3

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	500.01	0.0000	P	3.6
2	☐	1.000	23.741	8095.73	0.0003	P	2.4
3	☐	625.000	1234.919	392493.41	0.0131	P	2.1
4	☐	3125.000	3054.344	953022.33	0.0323	P	0.8
5	☐	6250.000	6417.053	1947008.89	0.0679	A	0.3
6	☐	12500.000	12592.751	3722540.36	0.1332	A	0.5
7	☐	25000.000	24905.444	7223268.02	0.2635	A	1.3
8	☐			23977.31	0.0009	P	1.7

$$y = 1.0579E-005 * x + 1.6677E-005$$

$$R = 0.9997$$

$$DL = 0.1716$$

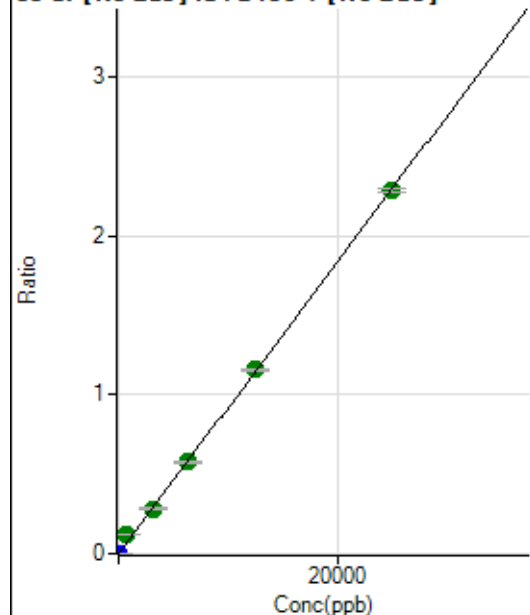
$$BEC = 1.577$$

Weight: <None>

Min Conc: 0

Calibration for 006CAL.S.d

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	462.24	0.0000	P	10.4
2	☐	1.000	24.441	68223.26	0.0023	P	0.8
3	☐	625.000	1264.224	3479978.70	0.1160	A	0.5
4	☐	3125.000	3100.484	8383507.51	0.2844	A	0.9
5	☐	6250.000	6282.681	16523269.89	0.5762	A	1.5
6	☐	12500.000	12632.247	32372370.63	1.1586	A	1.2
7	☐	25000.000	24912.789	62634654.07	2.2849	A	1.1
8	☐			205035.69	0.0078	P	1.5

$$y = 9.1716E-005 * x + 1.5418E-005$$

$$R = 0.9997$$

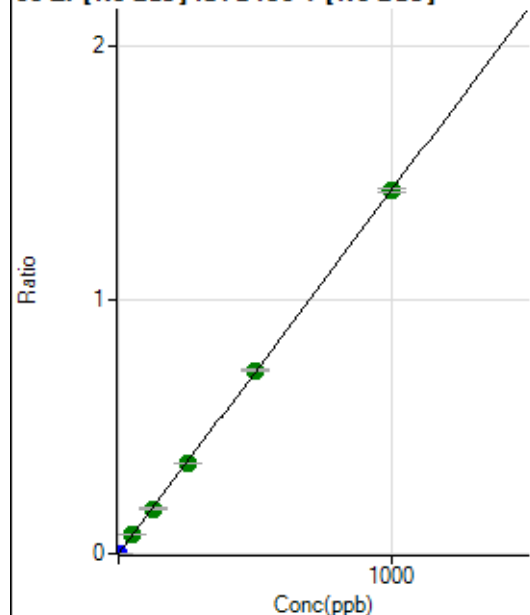
$$DL = 0.05225$$

$$BEC = 0.1681$$

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	1408.98	0.0000	P	5.7
2	☐	1.000	1.031	45996.73	0.0015	P	0.5
3	☐	50.000	50.876	2185675.78	0.0728	A	0.5
4	☐	125.000	124.168	5238582.56	0.1777	A	0.6
5	☐	250.000	250.318	10270495.82	0.3582	A	0.6
6	☐	500.000	503.409	20125604.98	0.7203	A	1.2
7	☐	1000.000	998.276	39156768.31	1.4283	A	1.0
8	☐			31758.31	0.0012	P	3.0

$$y = 0.0014 * x + 4.7005E-005$$

$$R = 1.0000$$

$$DL = 0.005602$$

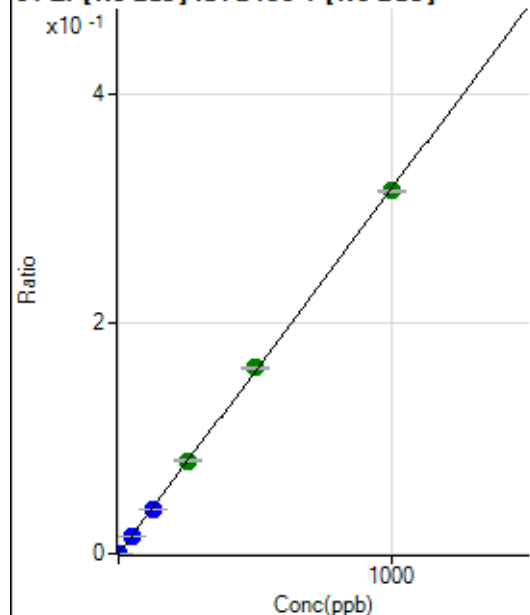
$$BEC = 0.03285$$

Weight: <None>

Min Conc: 0

Calibration for 006CAL5.d

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	245.56	0.0000	P	14.6
2	☐	1.000	1.024	10070.40	0.0003	P	1.7
3	☐	50.000	49.239	468936.37	0.0156	P	1.2
4	☐	125.000	122.411	1145024.34	0.0388	P	1.4
5	☐	250.000	255.323	2322606.77	0.0810	A	0.7
6	☐	500.000	509.426	4515588.92	0.1616	A	1.0
7	☐	1000.000	994.318	8646547.79	0.3154	A	0.4
8	☐			7057.40	0.0003	P	0.8

$$y = 3.1722\text{E-}004 * x + 8.1896\text{E-}006$$

$$R = 0.9999$$

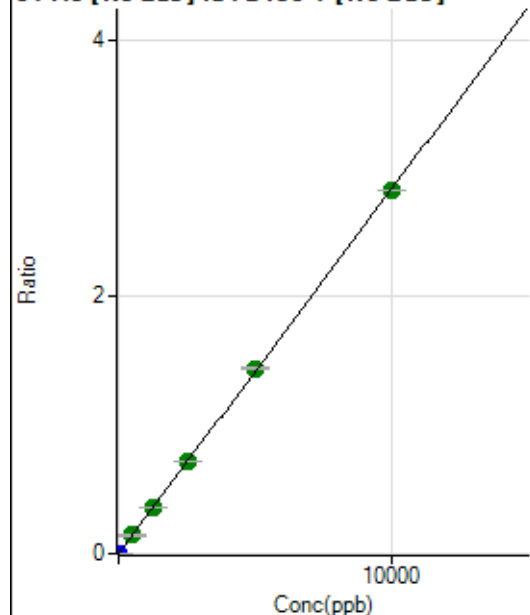
$$DL = 0.01135$$

$$BEC = 0.02582$$

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	485.57	0.0000	P	4.3
2	☐	5.000	5.868	50777.85	0.0017	P	0.8
3	☐	500.000	501.888	4270722.05	0.1423	A	0.8
4	☐	1250.000	1244.957	10406244.08	0.3530	A	0.7
5	☐	2500.000	2518.402	20474820.81	0.7140	A	0.1
6	☐	5000.000	5087.039	40300371.06	1.4423	A	1.5
7	☐	10000.000	9952.416	77353971.07	2.8218	A	0.1
8	☐			19564.96	0.0007	P	1.1

$$y = 2.8352\text{E-}004 * x + 1.6199\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.00742$$

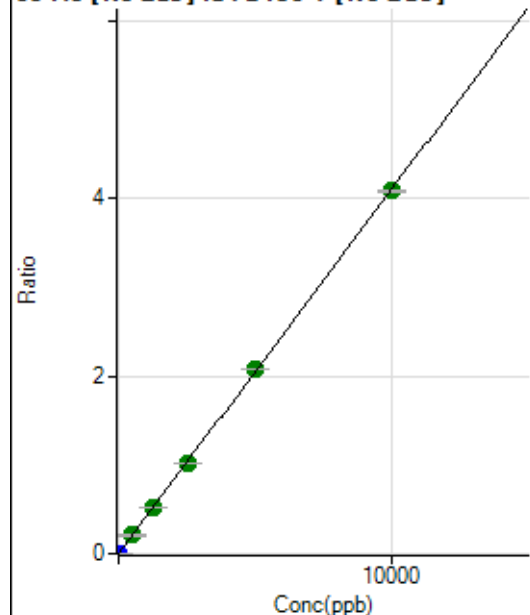
$$BEC = 0.05714$$

Weight: <None>

Min Conc: 0

Calibration for 006CALS.d

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	☐	0.000	0.000	183.33	0.0000	P	2.9
2	☐	5.000	4.847	60198.32	0.0020	P	1.2
3	☐	500.000	501.855	6168600.46	0.2056	A	2.1
4	☐	1250.000	1258.517	15195901.58	0.5155	A	0.8
5	☐	2500.000	2498.593	29344064.56	1.0234	A	0.6
6	☐	5000.000	5073.930	58067190.25	2.0782	A	0.7
7	☐	10000.000	9962.229	111847868.3	4.0803	A	0.8
8	☐			14115.08	0.0005	P	6.6

$$y = 4.0958E-004 * x + 6.1152E-006$$

$$R = 1.0000$$

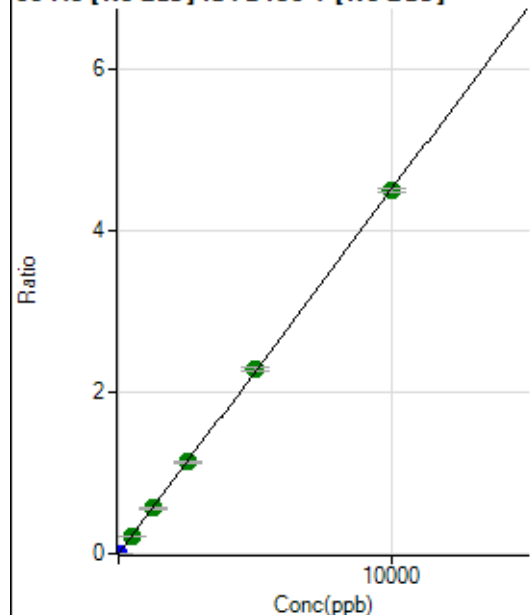
$$DL = 0.001283$$

$$BEC = 0.01493$$

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	296.67	0.0000	P	16.1
2	☐	5.000	4.897	66925.71	0.0022	P	2.0
3	☐	500.000	498.732	6736606.01	0.2245	A	0.9
4	☐	1250.000	1241.862	16479053.36	0.5590	A	0.8
5	☐	2500.000	2514.163	32449127.85	1.1317	A	1.3
6	☐	5000.000	5072.916	63801201.27	2.2834	A	2.0
7	☐	10000.000	9961.082	122899729.2	4.4836	A	1.2
8	☐			26792.62	0.0010	P	3.1

$$y = 4.5011E-004 * x + 9.9000E-006$$

$$R = 1.0000$$

$$DL = 0.01062$$

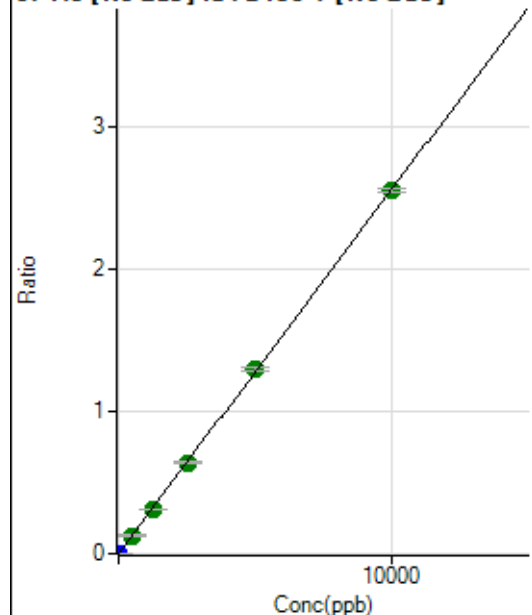
$$BEC = 0.02199$$

Weight: <None>

Min Conc: 0

Calibration for 006CALS.d

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	111.11	0.0000	P	18.1
2	☐	5.000	4.849	37647.60	0.0012	P	0.4
3	☐	500.000	500.036	3842934.11	0.1281	A	1.3
4	☐	1250.000	1233.343	9311873.96	0.3159	A	1.1
5	☐	2500.000	2508.382	18420376.12	0.6424	A	1.5
6	☐	5000.000	5060.924	36217679.46	1.2962	A	2.4
7	☐	10000.000	9969.523	70000283.40	2.5533	A	1.2
8	☐			8425.98	0.0003	P	9.1

$$y = 2.5611E-004 * x + 3.7052E-006$$

$$R = 1.0000$$

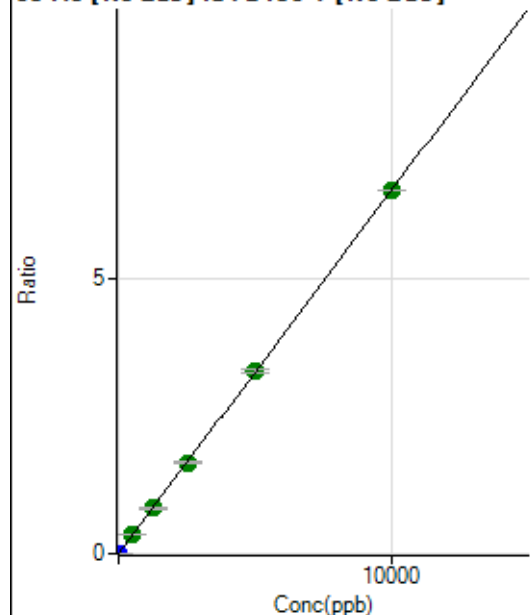
$$DL = 0.007845$$

$$BEC = 0.01447$$

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	306.67	0.0000	P	5.0
2	☐	5.000	4.812	96604.26	0.0032	P	1.0
3	☐	500.000	506.769	10068751.10	0.3355	A	0.7
4	☐	1250.000	1244.498	24292287.97	0.8240	A	0.3
5	☐	2500.000	2507.423	47602587.62	1.6601	A	0.8
6	☐	5000.000	5029.342	93041091.95	3.3299	A	1.4
7	☐	10000.000	9983.823	181204963.9	6.6102	A	0.1
8	☐			20571.00	0.0008	P	7.9

$$y = 6.6209E-004 * x + 1.0231E-005$$

$$R = 1.0000$$

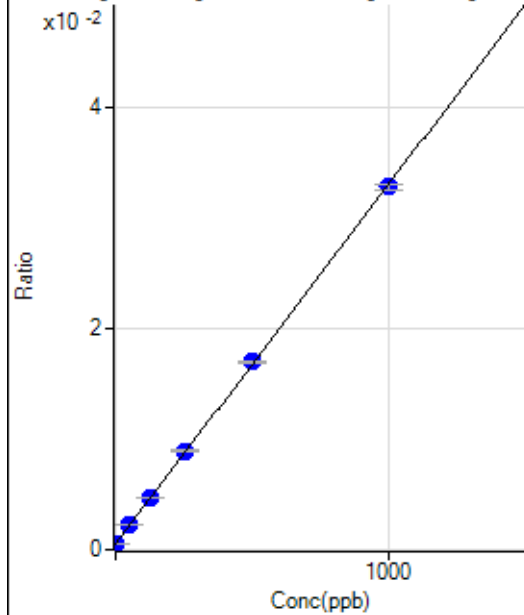
$$DL = 0.002296$$

$$BEC = 0.01545$$

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	10189.40	0.0005	P	1.6
2	☐	1.000	0.890	10716.47	0.0005	P	2.7
3	☐	50.000	53.943	45441.21	0.0023	P	3.5
4	☐	125.000	130.515	96129.35	0.0048	P	1.2
5	☐	250.000	259.269	175914.38	0.0090	P	1.7
6	☐	500.000	507.538	332295.03	0.0170	P	1.2
7	☐	1000.000	993.027	627584.11	0.0329	P	1.8
8	☐			8912.96	0.0005	P	1.6

$$y = 3.2580E-005 * x + 5.0495E-004$$

$$R = 0.9999$$

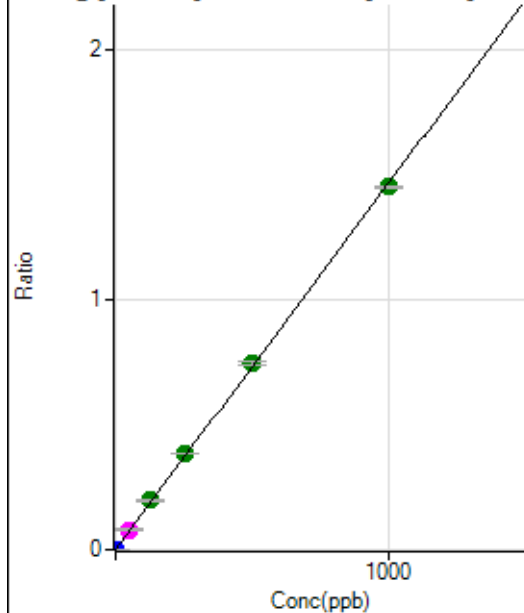
$$DL = 0.7428$$

$$BEC = 15.5$$

Weight: <None>

Min Conc: 0

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	192.23	0.0000	P	3.4
2	☐	1.000	1.091	32277.78	0.0016	P	2.3
3	☐	50.000	54.163	1594253.97	0.0794	M	4.3
4	☐	125.000	134.546	3984290.81	0.1972	A	1.0
5	☐	250.000	263.581	7590569.05	0.3863	A	1.0
6	☐	500.000	509.523	14560540.34	0.7467	A	1.6
7	☐	1000.000	990.442	27724468.20	1.4514	A	0.4
8	☐			2950.35	0.0002	P	9.7

$$y = 0.0015 * x + 9.5233E-006$$

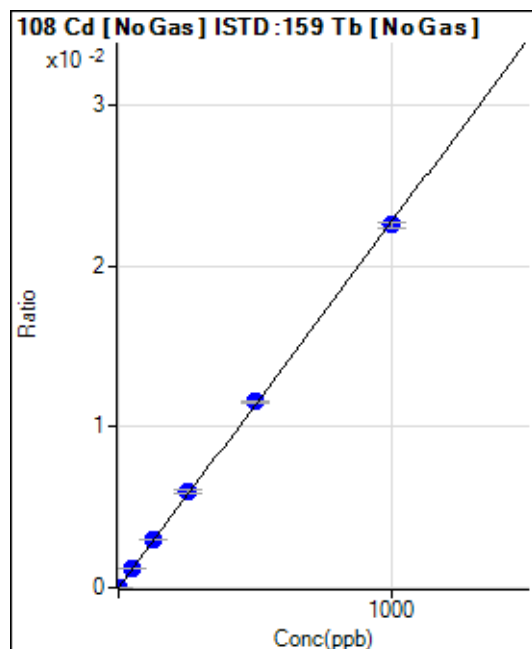
$$R = 0.9998$$

$$DL = 0.0006597$$

$$BEC = 0.006499$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	35.55	0.0000	P	46.3
2	☐	1.000	0.901	446.68	0.0000	P	3.4
3	☐	50.000	54.184	24789.02	0.0012	P	2.4
4	☐	125.000	130.626	60063.24	0.0030	P	0.3
5	☐	250.000	262.802	117473.35	0.0060	P	2.2
6	☐	500.000	507.748	225190.82	0.0115	P	1.8
7	☐	1000.000	992.013	430937.79	0.0226	P	1.4
8	☐			250.00	0.0000	P	10.7

$$y = 2.2741\text{E-}005 * x + 1.7566\text{E-}006$$

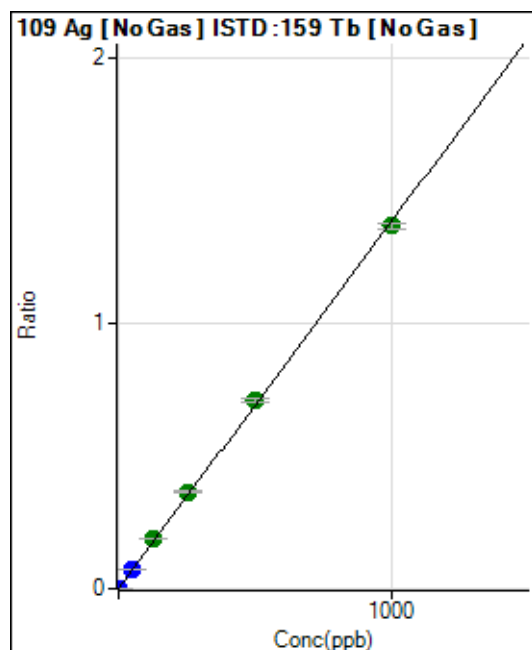
$$R = 0.9999$$

$$DL = 0.1074$$

$$BEC = 0.07724$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	70.00	0.0000	P	13.2
2	☐	1.000	1.090	30342.29	0.0015	P	2.2
3	☐	50.000	53.156	1476946.89	0.0735	P	2.9
4	☐	125.000	135.356	3783269.46	0.1872	A	1.0
5	☐	250.000	264.067	7177494.20	0.3653	A	2.5
6	☐	500.000	513.650	13854596.18	0.7105	A	1.6
7	☐	1000.000	988.206	26109300.44	1.3669	A	1.3
8	☐			2621.40	0.0001	P	8.5

$$y = 0.0014 * x + 3.4709\text{E-}006$$

$$R = 0.9997$$

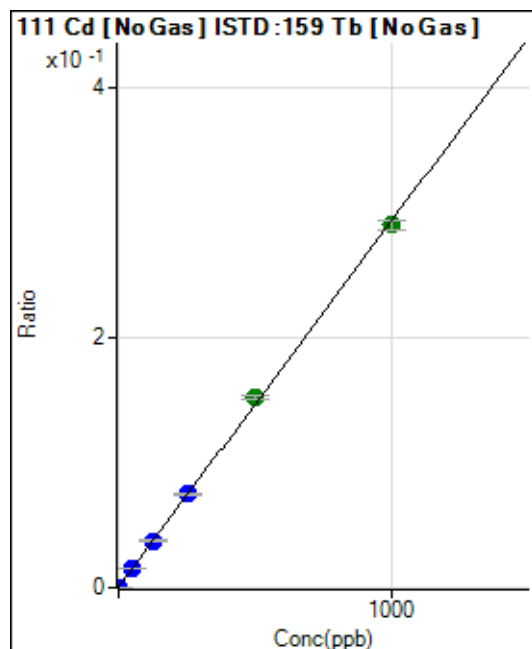
$$DL = 0.0009951$$

$$BEC = 0.002509$$

Weight: <None>

Min Conc: 0

Calibration for 006CAL5.d



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	7134.36	0.0004	P	1.6
2	☐	1.000	0.917	12496.60	0.0006	P	3.5
3	☐	50.000	52.204	314858.71	0.0157	P	1.9
4	☐	125.000	127.088	760777.69	0.0376	P	0.8
5	☐	250.000	254.131	1472493.56	0.0749	P	1.7
6	☐	500.000	518.329	2972946.06	0.1525	A	2.3
7	☐	1000.000	989.432	5552330.26	0.2907	A	2.8
8	☐			7053.00	0.0004	P	1.0

$$y = 2.9347E-004 * x + 3.5356E-004$$

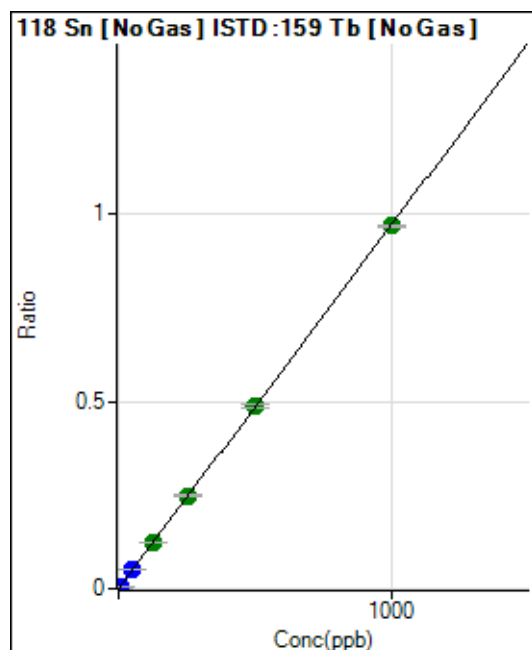
$$R = 0.9997$$

$$DL = 0.05919$$

$$BEC = 1.205$$

Weight: <None>

Min Conc: 0



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	3232.64	0.0002	P	5.6
2	☐	5.000	5.000	100832.21	0.0050	P	0.7
3	☐	50.000	50.995	999613.10	0.0498	P	2.1
4	☐	125.000	127.358	2506549.98	0.1240	A	0.8
5	☐	250.000	254.041	4858812.43	0.2473	A	1.9
6	☐	500.000	503.625	9555149.93	0.4900	A	2.0
7	☐	1000.000	996.833	18525130.14	0.9698	A	0.4
8	☐			5481.15	0.0003	P	3.7

$$y = 9.7268E-004 * x + 1.6014E-004$$

$$R = 1.0000$$

$$DL = 0.02784$$

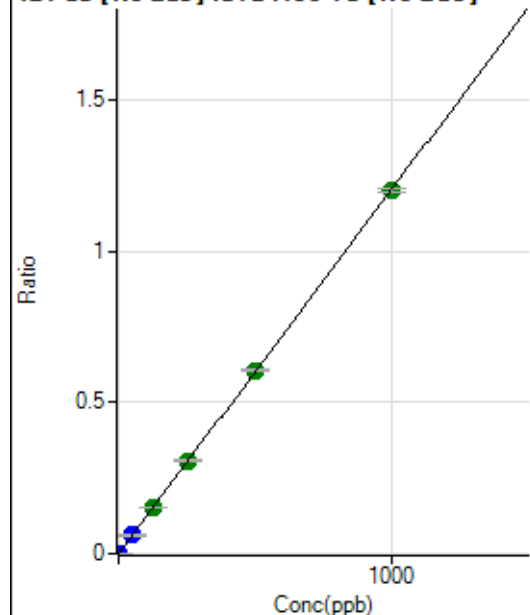
$$BEC = 0.1646$$

Weight: <None>

Min Conc: 0

Calibration for 006CAL5.d

121 Sb [No Gas] ISTD :159 Tb [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	58.89	0.0000	P	17.5
2	☐	2.000	2.016	48810.10	0.0024	P	1.3
3	☐	50.000	50.409	1220277.69	0.0607	P	2.4
4	☐	125.000	126.961	3091827.77	0.1530	A	1.0
5	☐	250.000	254.454	6025547.41	0.3066	A	2.0
6	☐	500.000	503.850	11839658.16	0.6072	A	1.7
7	☐	1000.000	996.696	22941937.99	1.2011	A	0.9
8	☐			11154.63	0.0006	P	6.0

$$y = 0.0012 * x + 2.9154E-006$$

$$R = 1.0000$$

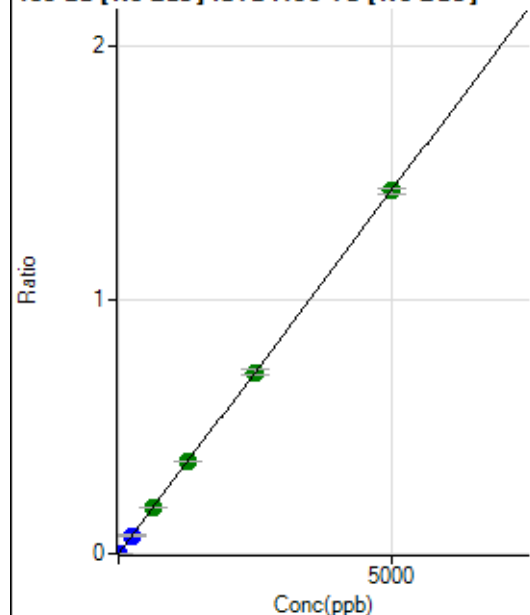
$$DL = 0.00127$$

$$BEC = 0.002419$$

Weight: <None>

Min Conc: 0

135 Ba [No Gas] ISTD :159 Tb [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	81.11	0.0000	P	12.5
2	☐	10.000	9.854	56624.52	0.0028	P	1.1
3	☐	250.000	249.223	1431342.88	0.0713	P	1.9
4	☐	625.000	634.255	3664153.73	0.1813	A	0.1
5	☐	1250.000	1270.404	7137009.55	0.3632	A	1.7
6	☐	2500.000	2498.604	13928502.43	0.7143	A	2.5
7	☐	5000.000	4994.479	27271930.98	1.4278	A	1.7
8	☐			11917.53	0.0007	P	1.2

$$y = 2.8588E-004 * x + 4.0170E-006$$

$$R = 1.0000$$

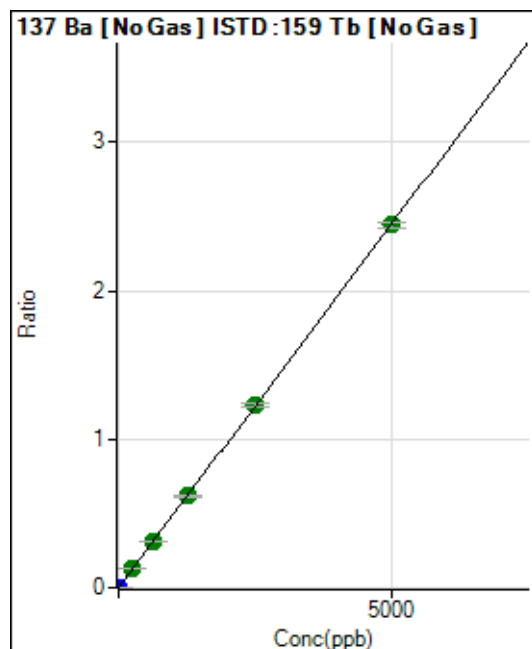
$$DL = 0.005254$$

$$BEC = 0.01405$$

Weight: <None>

Min Conc: 0

Calibration for 006CAL.S.d



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	0.000	0.000	187.78	0.0000	P	7.6
2	☐	10.000	9.938	97916.15	0.0049	P	0.7
3	☐	250.000	260.600	2564851.49	0.1277	A	2.4
4	☐	625.000	636.378	6300280.11	0.3118	A	0.6
5	☐	1250.000	1265.118	12179555.65	0.6198	A	2.8
6	☐	2500.000	2508.901	23969114.64	1.2292	A	1.6
7	☐	5000.000	4989.817	46693117.08	2.4447	A	1.8
8	☐			20872.83	0.0011	P	2.0

$$y = 4.8993E-004 * x + 9.3032E-006$$

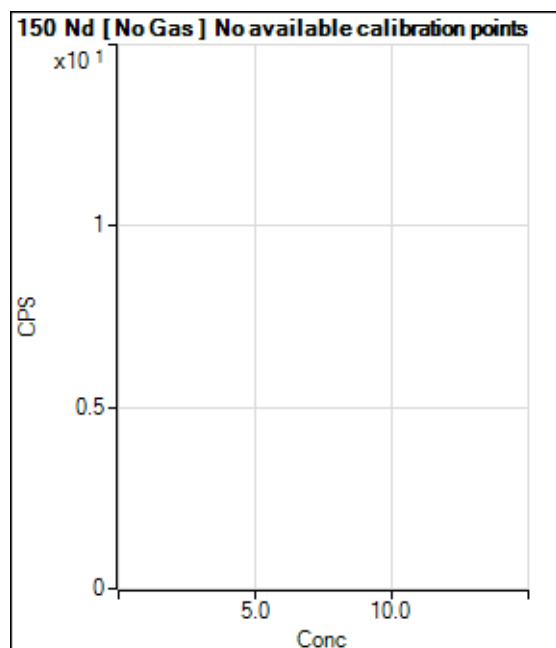
$$R = 1.0000$$

$$DL = 0.004304$$

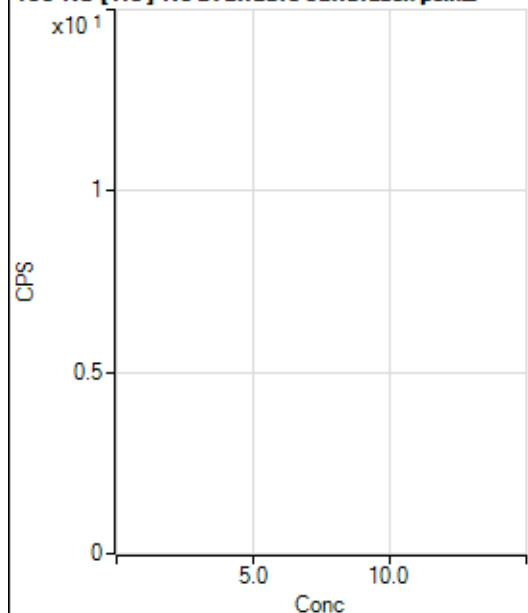
$$BEC = 0.01899$$

Weight: <None>

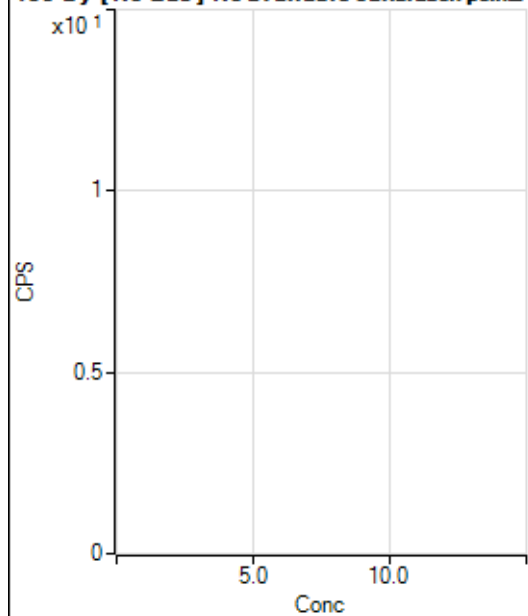
Min Conc: 0



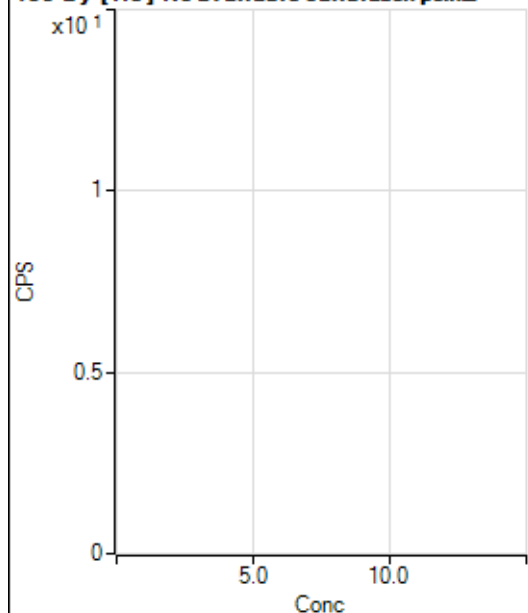
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			13.33		P	25.0
2	☐			27.78		P	38.6
3	☐			133.34		P	15.6
4	☐			283.34		P	14.1
5	☐			601.13		P	7.2
6	☐			1146.73		P	2.2
7	☐			2120.19		P	3.4
8	☐			472.23		P	13.9

150 Nd [He] No available calibration points

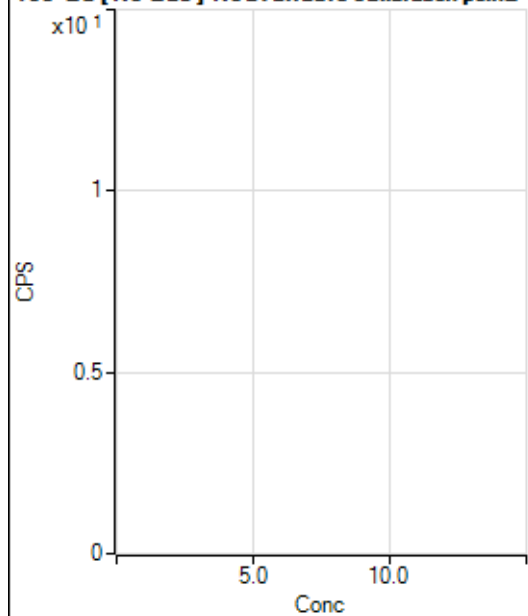
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2.22		P	173.
2	☐			4.44		P	43.4
3	☐			3.33		P	100.
4	☐			21.11		P	59.8
5	☐			27.78		P	18.3
6	☐			63.33		P	29.3
7	☐			152.23		P	9.1
8	☐			124.45		P	8.6

156 Dy [No Gas] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			17.78		P	43.3
2	☐			35.55		P	30.1
3	☐			63.33		P	13.9
4	☐			131.12		P	23.1
5	☐			218.89		P	11.6
6	☐			340.01		P	15.3
7	☐			640.02		P	5.0
8	☐			1170.06		P	2.2

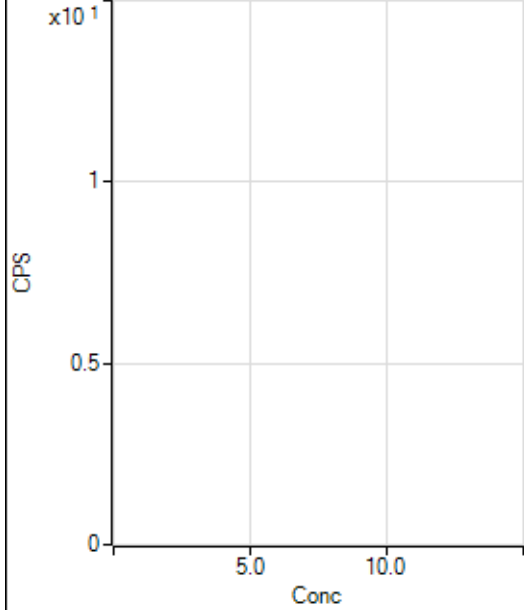
156 Dy [He] No available calibration points

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			3.33		P	100.
2	☐			8.89		P	57.3
3	☐			14.45		P	26.7
4	☐			21.11		P	39.7
5	☐			38.89		P	17.8
6	☐			53.33		P	12.5
7	☐			104.45		P	25.6
8	☐			367.79		P	15.6

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

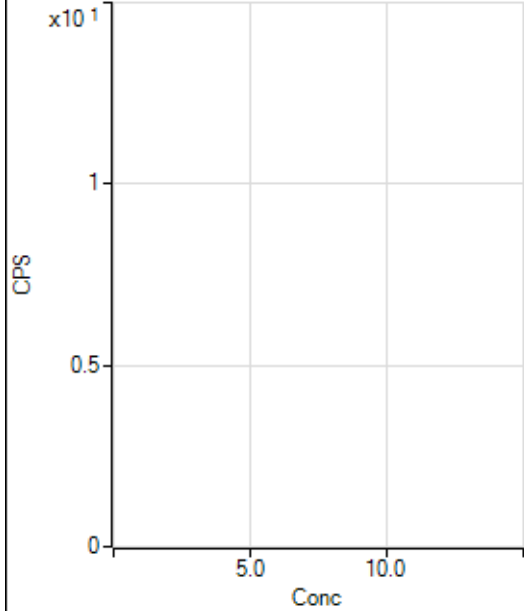
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			143.34		P	16.1
2	☐			138.89		P	10.8
3	☐			124.45		P	21.5
4	☐			173.34		P	6.9
5	☐			203.34		P	1.6
6	☐			286.67		P	21.3
7	☐			418.90		P	6.4
8	☐			1205.62		P	2.9

160 Gd [He] No available calibration points



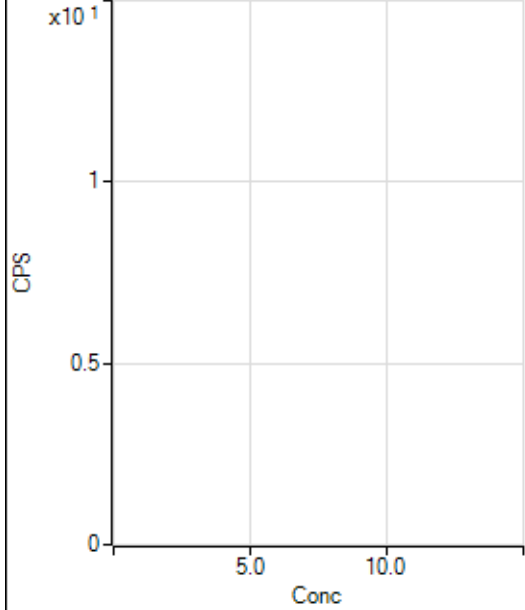
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			25.55		P	15.1
2	☐			42.22		P	29.9
3	☐			43.33		P	20.4
4	☐			55.55		P	28.4
5	☐			64.44		P	18.2
6	☐			96.67		P	24.1
7	☐			150.01		P	7.7
8	☐			477.79		P	18.2

164 Er [No Gas] No available calibration points



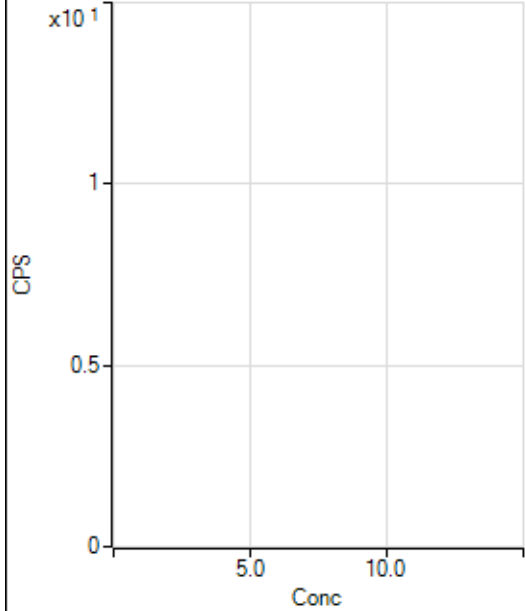
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			127.78		P	4.0
2	☐			171.11		P	10.0
3	☐			174.45		P	19.5
4	☐			195.56		P	8.4
5	☐			255.56		P	1.5
6	☐			400.01		P	4.6
7	☐			524.46		P	3.6
8	☐			2351.34		P	2.6

164 Er [He] No available calibration points



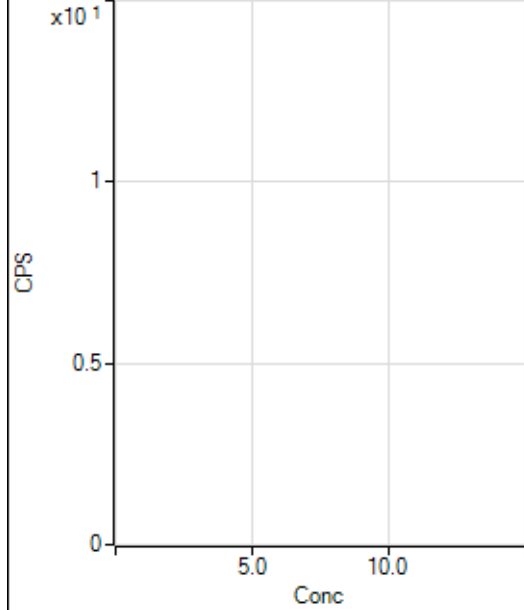
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			40.00		P	30.0
2	☐			40.00		P	8.3
3	☐			44.45		P	30.3
4	☐			71.11		P	34.6
5	☐			85.56		P	14.7
6	☐			137.78		P	3.7
7	☐			212.23		P	4.8
8	☐			840.04		P	11.7

172 Yb [No Gas] No available calibration points



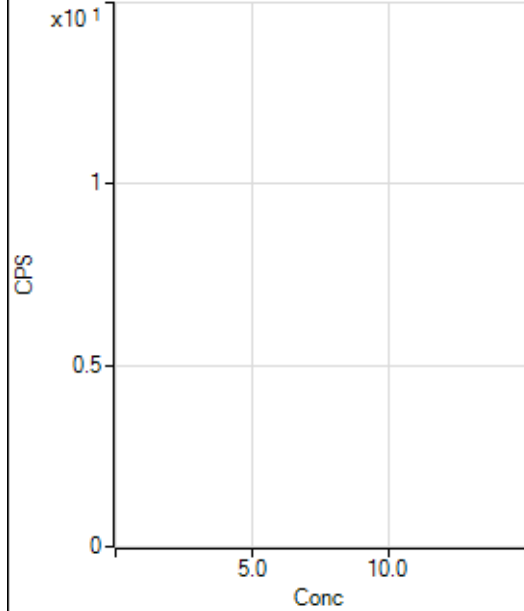
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			114.45		P	7.3
2	☐			130.00		P	22.4
3	☐			156.67		P	18.5
4	☐			221.11		P	10.0
5	☐			252.23		P	12.6
6	☐			395.57		P	7.6
7	☐			585.57		P	4.8
8	☐			1743.47		P	1.6

172 Yb [He] No available calibration points



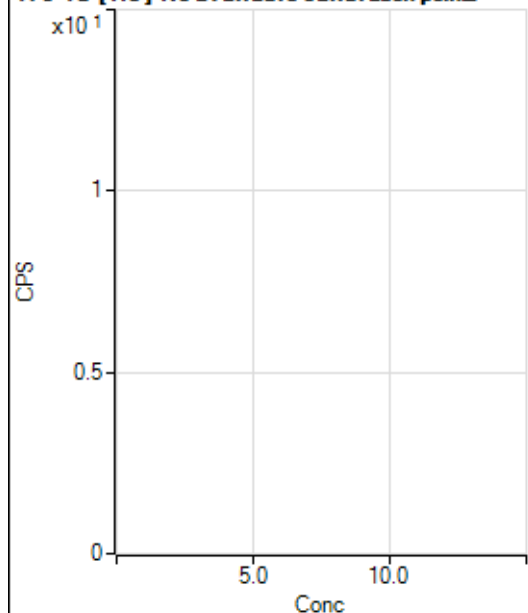
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			57.78		P	69.6
2	☐			54.45		P	12.7
3	☐			74.44		P	23.0
4	☐			65.56		P	21.2
5	☐			102.23		P	35.8
6	☐			130.00		P	12.8
7	☐			227.78		P	6.1
8	☐			707.81		P	8.9

176 Yb [No Gas] No available calibration points



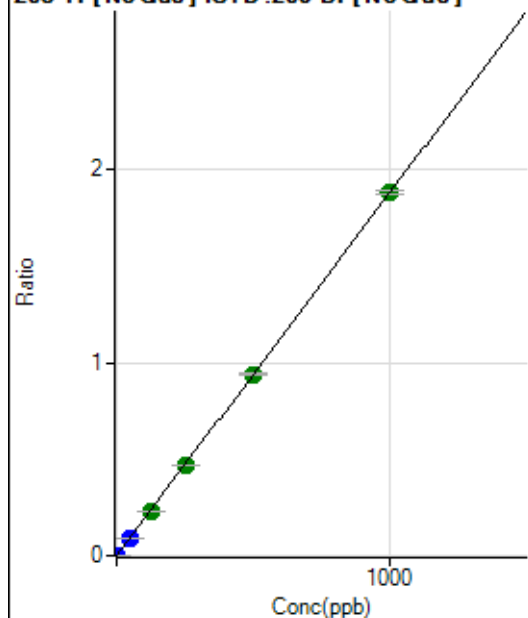
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐			2626.95		P	1.2
2	☐			2724.76		P	4.8
3	☐			7735.67		P	3.3
4	☐			15044.24		P	0.7
5	☐			27637.83		P	3.9
6	☐			51862.47		P	1.2
7	☐			99795.60		P	1.1
8	☐			3248.22		P	0.8

176 Yb [He] No available calibration points



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐			895.59		P	4.9
2	☐			806.70		P	11.2
3	☐			2458.03		P	5.4
4	☐			5034.34		P	2.5
5	☐			9312.24		P	0.3
6	☐			17451.64		P	0.9
7	☐			33657.23		P	1.0
8	☐			1014.50		P	3.3

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



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	☐	0.000	0.000	246.67	0.0000	P	10.3
2	☐	1.000	0.937	20839.06	0.0018	P	2.1
3	☐	50.000	47.917	1048017.48	0.0900	P	0.6
4	☐	125.000	123.851	2704127.28	0.2327	A	0.9
5	☐	250.000	247.899	5310270.83	0.4658	A	0.5
6	☐	500.000	500.506	10374034.92	0.9403	A	1.2
7	☐	1000.000	1000.520	20062398.73	1.8797	A	1.1
8	☐			1647.90	0.0002	P	5.0

$$y = 0.0019 * x + 2.1008E-005$$

$$R = 1.0000$$

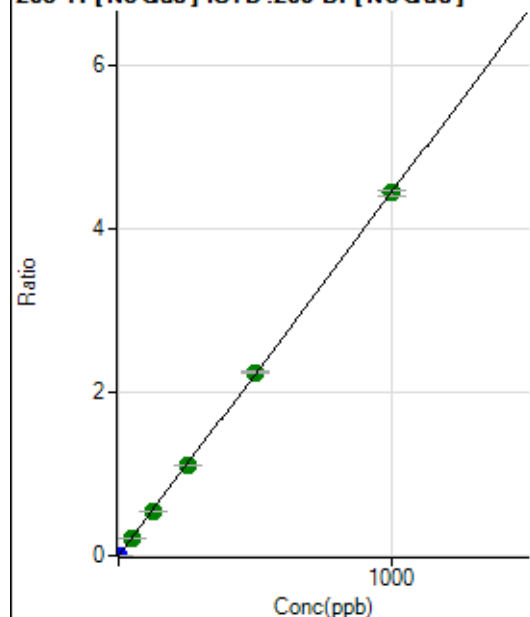
$$DL = 0.003449$$

$$BEC = 0.01118$$

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	577.80	0.0000	P	8.7
2	☐	1.000	0.957	50208.90	0.0043	P	2.1
3	☐	50.000	49.795	2571733.76	0.2210	A	0.9
4	☐	125.000	121.872	6283324.91	0.5407	A	0.8
5	☐	250.000	247.089	12498541.62	1.0962	A	0.4
6	☐	500.000	504.394	24687546.30	2.2377	A	0.9
7	☐	1000.000	998.932	47299841.52	4.4317	A	1.3
8	☐			4062.92	0.0004	P	11.7

$$y = 0.0044 * x + 4.9205E-005$$

$$R = 1.0000$$

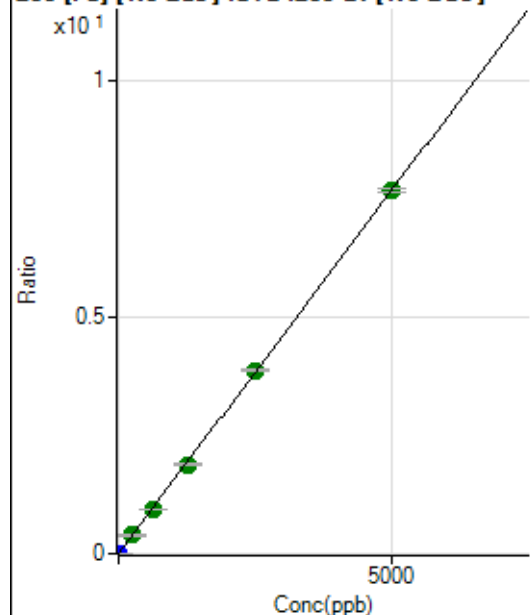
$$DL = 0.002887$$

$$BEC = 0.01109$$

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	653.36	0.0001	P	5.7
2	☐	1.000	0.792	14881.96	0.0013	P	1.3
3	☐	250.000	252.417	4511931.81	0.3877	A	0.9
4	☐	625.000	610.156	10888833.59	0.9370	A	0.7
5	☐	1250.000	1228.078	21503127.18	1.8859	A	0.7
6	☐	2500.000	2519.841	42691661.59	3.8696	A	1.2
7	☐	5000.000	4997.295	81906983.78	7.6741	A	1.0
8	☐			58251.14	0.0061	P	1.1

$$y = 0.0015 * x + 5.5647E-005$$

$$R = 1.0000$$

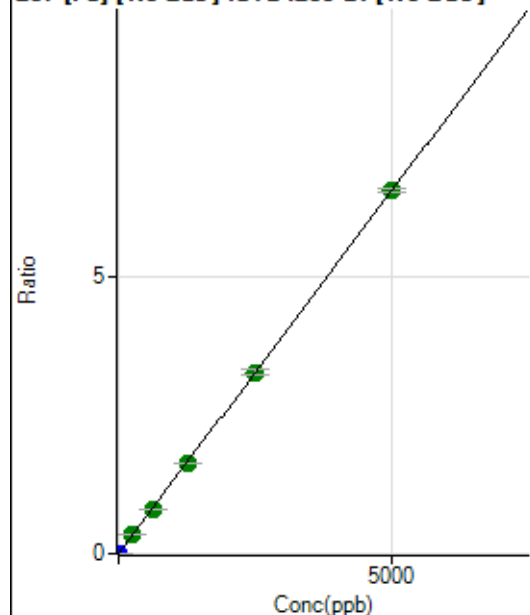
$$DL = 0.006211$$

$$BEC = 0.03624$$

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	545.57	0.0000	P	12.2
2	☐	1.000	0.822	13150.09	0.0011	P	2.9
3	☐	250.000	254.037	3875799.80	0.3330	A	1.2
4	☐	625.000	611.367	9312127.85	0.8014	A	0.9
5	☐	1250.000	1243.193	18579445.56	1.6295	A	1.3
6	☐	2500.000	2502.871	36191949.74	3.2806	A	2.6
7	☐	5000.000	5001.768	69971725.62	6.5559	A	1.1
8	☐			50049.44	0.0052	P	2.0

$$y = 0.0013 * x + 4.6473E-005$$

$$R = 1.0000$$

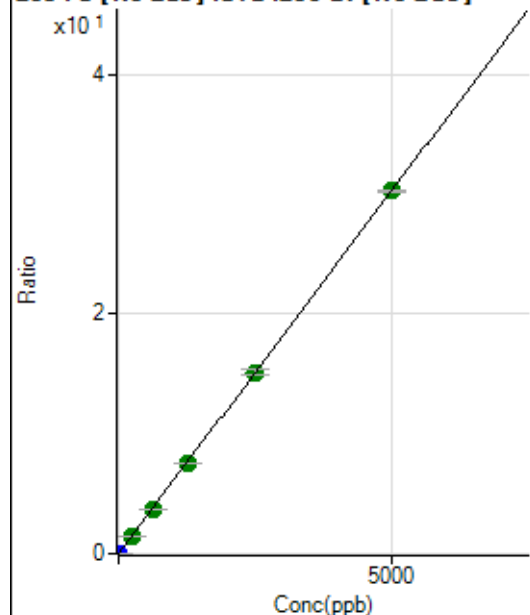
$$DL = 0.01295$$

$$BEC = 0.03546$$

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	2564.57	0.0002	P	4.1
2	☐	1.000	0.807	59740.83	0.0051	P	1.9
3	☐	250.000	249.586	17596379.59	1.5119	A	0.7
4	☐	625.000	612.672	43122041.93	3.7110	A	0.5
5	☐	1250.000	1241.678	85750106.50	7.5207	A	1.4
6	☐	2500.000	2504.570	167356027.7	15.1696	A	2.2
7	☐	5000.000	5001.357	323310471.2	30.2919	A	0.8
8	☐			229707.85	0.0240	P	0.7

$$y = 0.0061 * x + 2.1841E-004$$

$$R = 1.0000$$

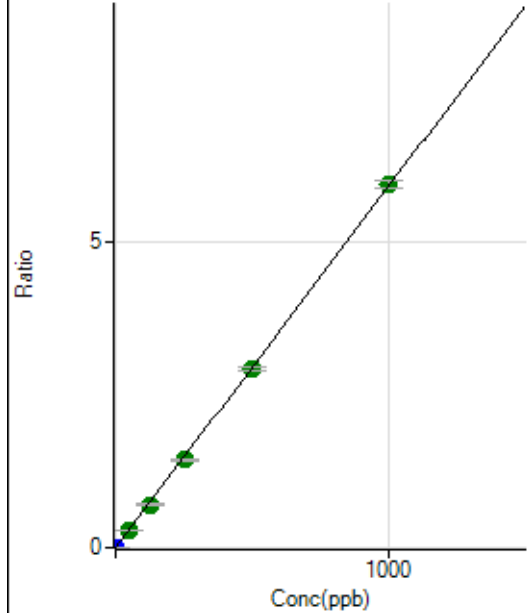
$$DL = 0.004388$$

$$BEC = 0.03606$$

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	233.34	0.0000	P	12.2
2	☐	1.000	0.906	62685.80	0.0054	P	2.0
3	☐	50.000	48.049	3297695.37	0.2833	A	0.7
4	☐	125.000	119.591	8194152.03	0.7052	A	1.5
5	☐	250.000	242.887	16329723.93	1.4322	A	1.6
6	☐	500.000	496.212	32279189.24	2.9259	A	1.8
7	☐	1000.000	1004.446	63213497.95	5.9226	A	2.1
8	☐			3030.41	0.0003	P	17.5

$$y = 0.0059 * x + 1.9868E-005$$

$$R = 1.0000$$

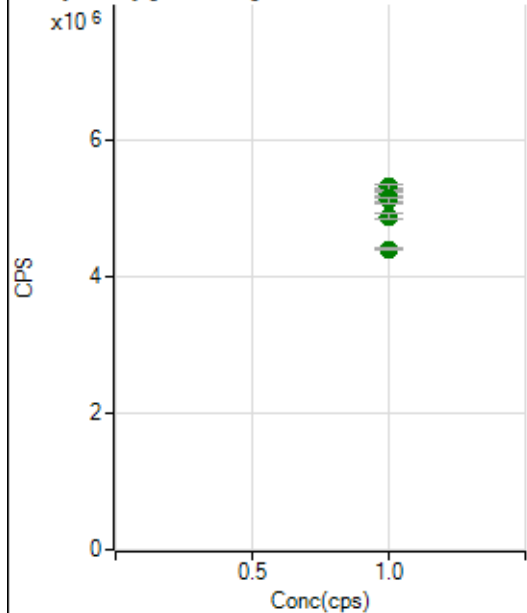
$$DL = 0.001232$$

$$BEC = 0.00337$$

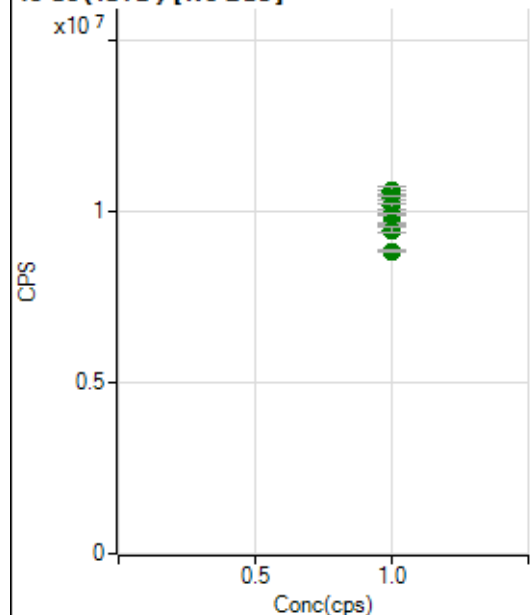
Weight: <None>

Min Conc: 0

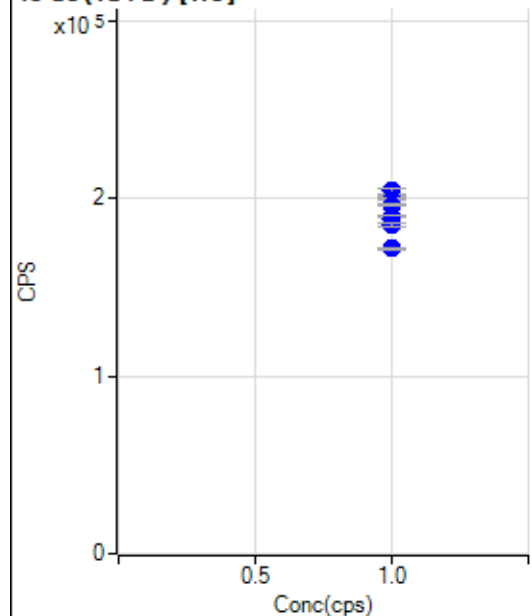
6 Li (ISTD) [No Gas]



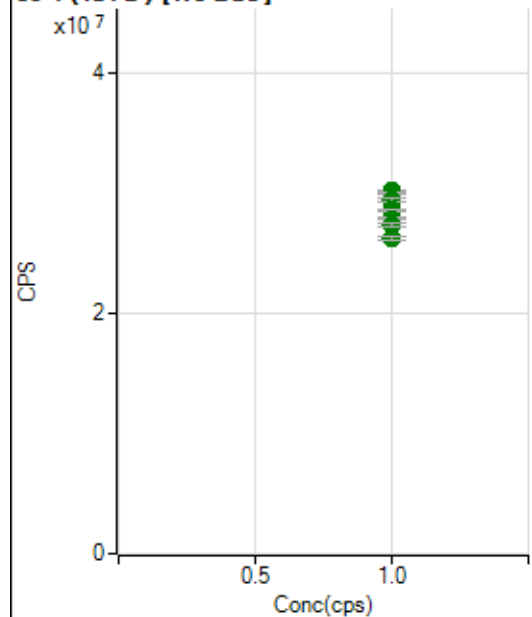
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		5128112.54		A	1.3
2	☐	1.000		5209257.08		A	2.1
3	☐	1.000		5258360.37		A	0.9
4	☐	1.000		5313076.76		A	1.7
5	☐	1.000		5162706.39		A	0.7
6	☐	1.000		5112980.63		A	2.1
7	☐	1.000		4881194.44		A	1.6
8	☐	1.000		4402371.95		A	1.0

45 Sc (ISTD) [No Gas]

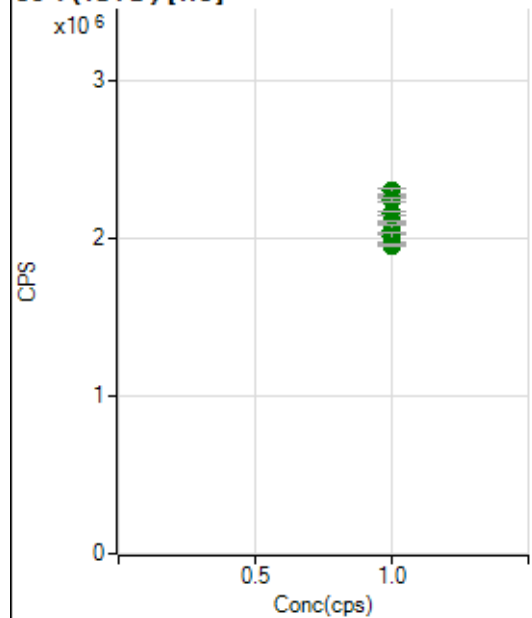
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		10595257.07		A	0.9
2	☐	1.000		10615233.25		A	1.9
3	☐	1.000		10426325.82		A	1.0
4	☐	1.000		10169340.96		A	1.6
5	☐	1.000		9918966.38		A	0.9
6	☐	1.000		9664493.74		A	0.6
7	☐	1.000		9468784.30		A	1.6
8	☐	1.000		8854910.84		A	0.3

45 Sc (ISTD) [He]

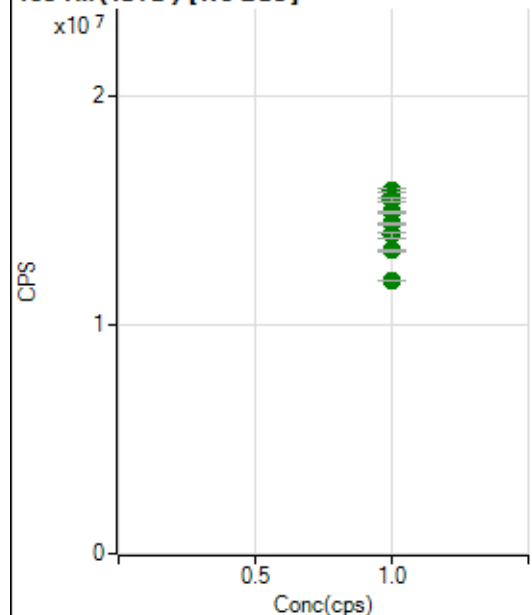
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		202003.88		P	0.6
2	☐	1.000		204067.27		P	1.3
3	☐	1.000		199103.87		P	0.5
4	☐	1.000		196270.47		P	0.7
5	☐	1.000		189822.09		P	0.1
6	☐	1.000		188331.95		P	2.3
7	☐	1.000		185066.33		P	1.2
8	☐	1.000		171448.33		P	1.0

89 Y (ISTD) [No Gas]

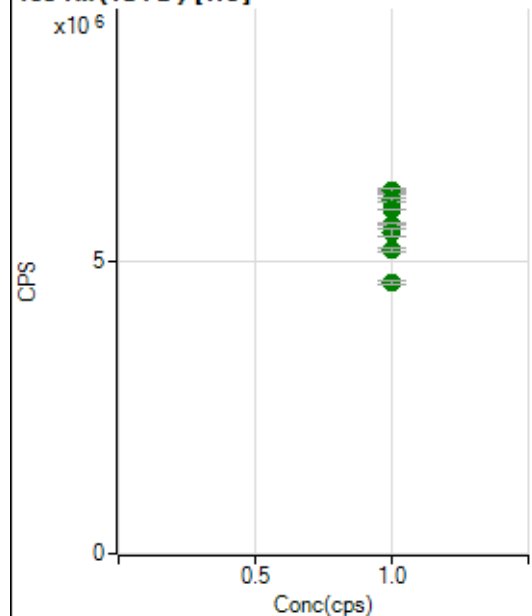
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		29978452.61		A	0.5
2	☐	1.000		30227603.72		A	0.6
3	☐	1.000		30008639.27		A	0.6
4	☐	1.000		29481259.84		A	0.8
5	☐	1.000		28674649.85		A	0.6
6	☐	1.000		27940739.58		A	0.7
7	☐	1.000		27413174.31		A	1.4
8	☐	1.000		26258714.88		A	1.6

89 Y (ISTD) [He]

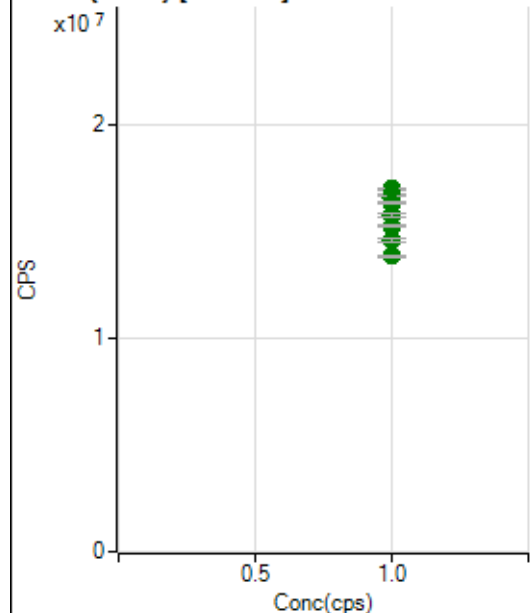
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		2263708.61		A	0.7
2	☐	1.000		2299076.91		A	1.6
3	☐	1.000		2240633.87		A	1.5
4	☐	1.000		2159814.08		A	1.3
5	☐	1.000		2103545.18		A	0.6
6	☐	1.000		2049201.37		A	2.9
7	☐	1.000		2006040.04		A	2.6
8	☐	1.000		1954831.97		A	0.7

103 Rh (ISTD) [No Gas]

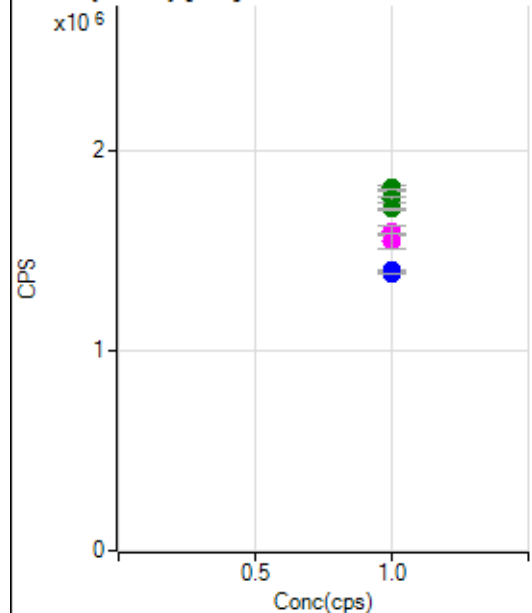
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		15878300.60		A	0.9
2	☐	1.000		15657737.40		A	1.6
3	☐	1.000		15474730.05		A	0.9
4	☐	1.000		14950595.19		A	0.4
5	☐	1.000		14435705.76		A	0.5
6	☐	1.000		13940947.01		A	1.8
7	☐	1.000		13265376.75		A	0.9
8	☐	1.000		11938624.82		A	0.5

103 Rh (ISTD) [He]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6190257.96		A	0.6
2	☐	1.000		6195228.66		A	1.5
3	☐	1.000		6050013.73		A	1.0
4	☐	1.000		5873463.04		A	0.2
5	☐	1.000		5616282.55		A	0.5
6	☐	1.000		5487176.03		A	2.4
7	☐	1.000		5189278.36		A	0.8
8	☐	1.000		4631959.79		A	1.6

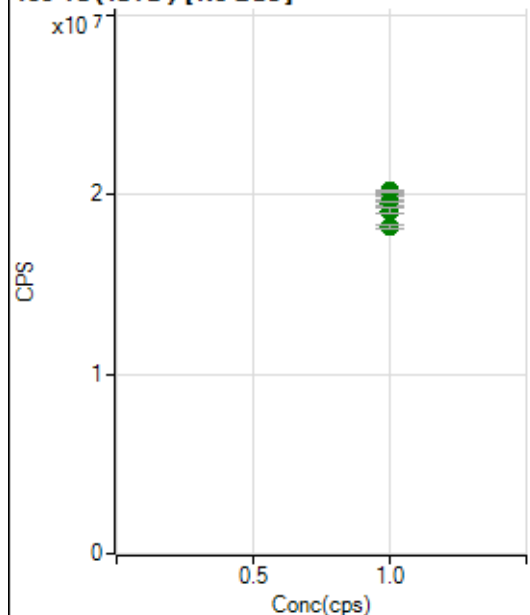
115 In (ISTD) [No Gas]

	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		16979187.48		A	0.5
2	☐	1.000		16719967.70		A	0.3
3	☐	1.000		16535028.47		A	1.4
4	☐	1.000		16318431.50		A	0.3
5	☐	1.000		15734358.06		A	0.9
6	☐	1.000		15247804.81		A	0.1
7	☐	1.000		14594761.46		A	1.4
8	☐	1.000		13826756.08		A	0.5

115 In (ISTD) [He]

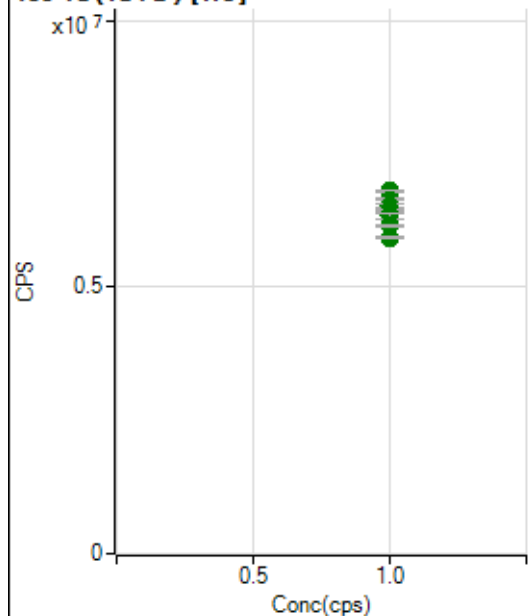
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		1818462.59		A	1.2
2	☐	1.000		1809711.85		A	0.5
3	☐	1.000		1759586.93		A	1.5
4	☐	1.000		1714731.74		A	0.6
5	☐	1.000		1604021.43		M	2.7
6	☐	1.000		1551331.95		M	5.2
7	☐	1.000		1402997.00		P	0.4
8	☐	1.000		1388115.27		P	0.4

159 Tb (ISTD) [No Gas]



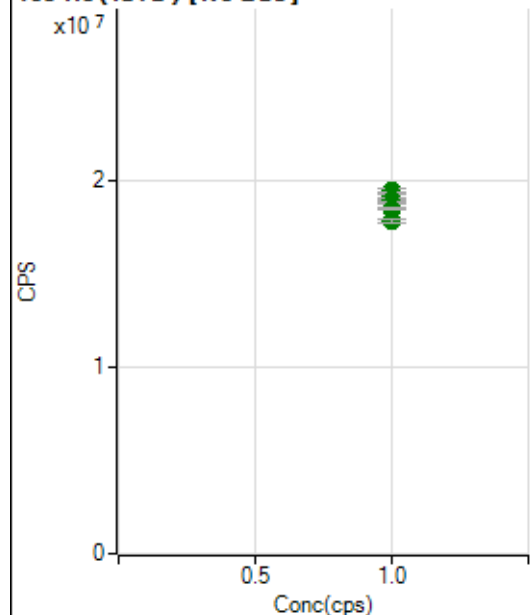
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		20180341.64		A	1.0
2	☐	1.000		20071298.73		A	0.2
3	☐	1.000		20091661.64		A	1.3
4	☐	1.000		20207425.25		A	0.8
5	☐	1.000		19652511.38		A	0.8
6	☐	1.000		19501377.35		A	0.8
7	☐	1.000		19102674.58		A	1.4
8	☐	1.000		18171499.87		A	1.3

159 Tb (ISTD) [He]



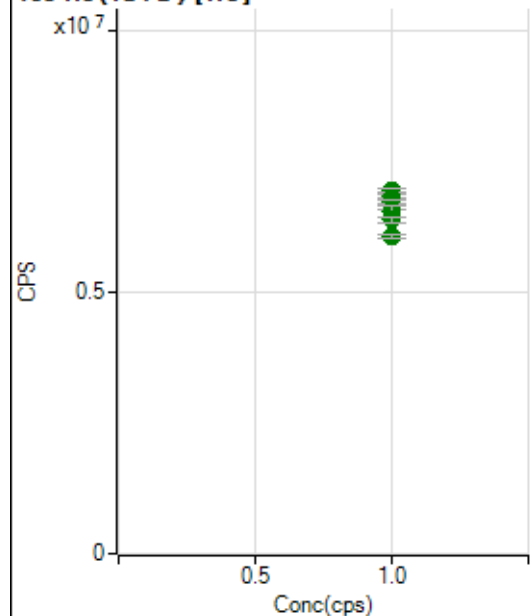
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6780989.55		A	0.7
2	☐	1.000		6799037.33		A	0.3
3	☐	1.000		6644733.72		A	0.4
4	☐	1.000		6521671.43		A	1.4
5	☐	1.000		6438050.46		A	0.5
6	☐	1.000		6326746.22		A	1.4
7	☐	1.000		6147204.77		A	0.6
8	☐	1.000		5912303.25		A	0.5

165 Ho (ISTD) [No Gas]



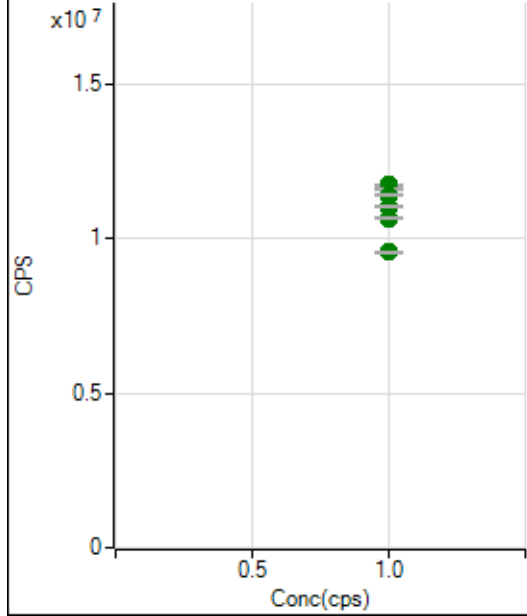
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		19130683.33		A	1.3
2	☐	1.000		19450057.63		A	1.5
3	☐	1.000		19304426.80		A	0.7
4	☐	1.000		19321868.18		A	0.6
5	☐	1.000		18976530.97		A	1.0
6	☐	1.000		18765951.67		A	0.6
7	☐	1.000		18495015.00		A	0.9
8	☐	1.000		17823269.18		A	1.3

165 Ho (ISTD) [He]



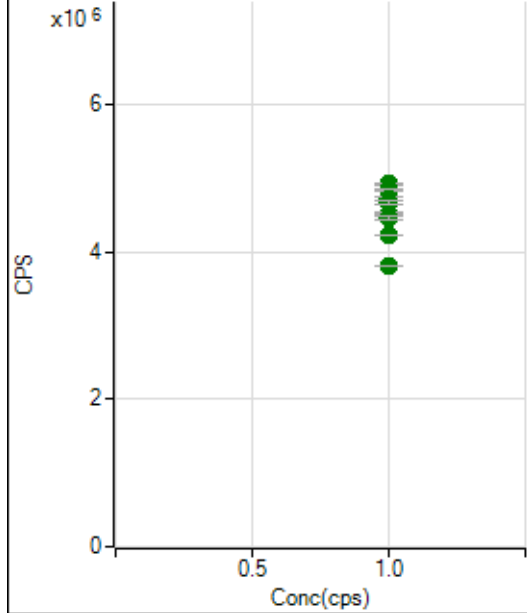
	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		6834673.72		A	0.7
2	☐	1.000		6937708.44		A	0.9
3	☐	1.000		6790298.85		A	0.8
4	☐	1.000		6726023.72		A	0.9
5	☐	1.000		6584716.01		A	0.2
6	☐	1.000		6543333.31		A	3.3
7	☐	1.000		6387426.78		A	1.7
8	☐	1.000		6079351.16		A	1.0

209 Bi (ISTD) [No Gas]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		11742590.94		A	0.4
2	☐	1.000		11697436.22		A	1.3
3	☐	1.000		11638776.49		A	0.6
4	☐	1.000		11620300.10		A	0.5
5	☐	1.000		11401576.36		A	0.5
6	☐	1.000		11032652.61		A	0.3
7	☐	1.000		10673318.17		A	0.4
8	☐	1.000		9555777.01		A	0.4

209 Bi (ISTD) [He]



	Rj ct	Conc.	Calc Conc.	CPS	Ratio	Det .	RSD
1	☐	1.000		4917045.06		A	0.2
2	☐	1.000		4835866.91		A	0.6
3	☐	1.000		4717697.18		A	1.6
4	☐	1.000		4661730.03		A	1.4
5	☐	1.000		4520024.79		A	0.6
6	☐	1.000		4455851.15		A	1.6
7	☐	1.000		4220687.68		A	0.5
8	☐	1.000		3805999.59		A	0.3

US EPA Tune Check Report

Reviewed By:Janv
On:5/23/2025 9:40
AM
Inst Id :P8
LB :LB135886

Operator Name Jaswal
Acq/Data Batch D:\Agilent\ICPMH\1\DATA\P805225 MS.b
Acq. Date-Time 2025-05-21 13:04:24
Report Comment ---
Instrument Name G8403A SG19224459

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9		99395	993953.31			1.126	5.000
24		460718	4607181.47			1.204	5.000
25		66323	663226.16			1.340	5.000
26		71943	719429.58			1.174	5.000
59		418539	4185390.12			1.269	5.000
113		51533	515327.40			1.658	5.000
115		654952	6549521.46			1.093	5.000
206		146703	1467031.91			1.664	5.000
207		121883	1218826.18			1.029	5.000
208		300852	3008516.40			1.565	5.000
220		0	4.90			31.780	

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	99425	99425	97650	99721	100756
24	454387	458603	457735	467897	464968
25	66171	66534	64867	67034	67007
26	71166	72184	70941	72648	72775
59	417745	421870	409735	420265	423081
113	51166	51452	50339	52302	52405
115	660615	658380	642757	654562	658447
206	145993	143861	145200	149568	148894
207	121460	120635	121125	123817	122376
208	296214	297555	298867	307062	304559

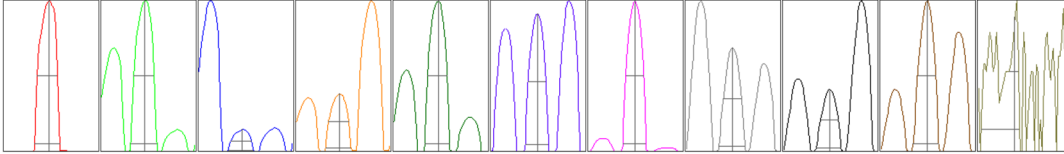
US EPA Tune Check Report

Reviewed By:Janv
On:5/23/2025 9:40
AM
Inst Id :P8
LB :LB135886

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

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	162982.39	8.95	8.90 - 9.10	
24	771293.44	23.90	23.90 - 24.10	
25	108500.56	24.90	24.90 - 25.10	
26	117237.47	25.90	25.90 - 26.10	
59	713137.66	58.95	58.90 - 59.10	
113	97672.66	113.00	112.90 - 113.10	
115	1233507.41	115.00	114.90 - 115.10	
206	267092.40	206.00	205.90 - 206.10	
207	228245.03	207.00	206.90 - 207.10	
208	553366.72	208.00	207.90 - 208.10	
220	0.85	219.70	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
9	0.65	0.787	0.900	
24	0.65	0.827	0.900	
25	0.65	0.798	0.900	
26	0.65	0.806	0.900	
59	0.63	0.785	0.900	
113	0.56	0.733	0.900	
115	0.56	0.735	0.900	
206	0.57	0.821	0.900	
207	0.56	0.785	0.900	
208	0.57	0.800	0.900	
220	0.31	1.216		

Integration Time [sec] 0.1

Acquisition Time [sec] 256.770000000002

Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.72 L/min Dilution Gas 0.40 L/min

US EPA Tune Check Report

Reviewed By:Janv
On:5/23/2025 9:40
AM
Inst Id :P8
LB :LB135886

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

Lens Parameters

Extract 1 -6.0 V Omega Lens 8.4 V Deflect 15.0 V
Extract 2 -170.0 V Cell Entrance -30 V Plate Bias -50 V
Omega Bias -70 V Cell Exit -50 V

Cell Parameters

Use Gas No 3rd Gas Flow --- Energy Discrimination 4.0 V
He Flow 0.0 mL/min OctP Bias -8.0 V
H2 Flow --- OctP RF 130 V

QP Parameters

Mass Gain 105 Axis Gain 0.9968 QP Bias -4.0 V
Mass Offset 125 Axis Offset -0.02

Hardware Settings

Torch

Torch H 0.8 mm Torch V -0.3 mm

EM

Discriminator 4.5 mV Analog HV 2174 V Pulse HV 965 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59		80699	806986.91			0.952	
89		68694	686935.35			1.175	
205		87327	873270.09			0.995	

Mass	RSD% (Flag)
59	
89	
205	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	80629	81076	81757	80297	79734
89	68728	69238	69710	67913	67878
205	87756	87985	88084	86153	86656

Integration Time [sec] 0.1

Tune Parameters

Plasma Parameters

Plasma Mode --- Nebulizer Gas 0.72 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 -6.0 V Omega Lens 8.4 V Deflect 2.4 V

US EPA Tune Check Report

Reviewed By:Janv
On:5/23/2025 9:40
AM
Inst Id :P8
LB :LB135886

Extract 2	-170.0 V	Cell Entrance	-50 V	Plate Bias	-60 V
Omega Bias	-70 V	Cell Exit	-70 V		
Cell Parameters					
Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	4.5 mL/min	OctP Bias	-18.0 V		
H2 Flow	---	OctP RF	180 V		
QP Parameters					
Mass Gain	105	Axis Gain	0.9968	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	-0.02		
Hardware Settings					
Torch					
Torch H	0.8 mm	Torch V	-0.3 mm		
EM					
Discriminator	4.5 mV	Analog HV	2174 V	Pulse HV	965 V

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P8
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 13:53:59 DataFile Name : 004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.12	0.08	-0.20	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	-0.01	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	0.00	0.00	0.00	0.00	N/A	ppb
Bismuth	209-1				100		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	0.04	-0.03	0.00	0.00	N/A	ppb
Cadmium	106-1	-0.01	0.25	-0.24	0.00	N/A	ppb
Cadmium	111-1	0.00	0.02	-0.02	0.00	N/A	ppb
Calcium	43-1	0.36	-0.43	0.08	0.00	N/A	ppb
Calcium	44-1	0.04	0.23	-0.26	0.00	N/A	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.01	0.01	0.00	N/A	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	N/A	ppb
Copper	63-2	0.01	-0.01	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	54-2	4.09	-1.86	-2.23	0.00	N/A	ppb
Iron	56-2	0.03	-0.01	-0.02	0.00	N/A	ppb
Iron	57-2	0.36	0.15	-0.51	0.00	N/A	ppb
Krypton	83-1						cps
Lead	206-1	0.00	0.00	0.00	0.00	N/A	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P8
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 13:53:59 DataFile Name : 004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
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	-0.22	0.18	0.04	0.00	N/A	ppb
Manganese	55-2	-0.03	-0.02	0.05	0.00	N/A	ppb
Molybdenum	94-1	0.00	0.00	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	0.01	0.01	-0.02	0.00	N/A	ppb
Phosphorus	31-2	-121.06	-114.11	-121.75	-118.97		ppb
Potassium	39-2	0.46	0.52	-0.98	0.00	N/A	ppb
Rhodium	103-1				100		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				100		%
Selenium	82-1	-0.05	-0.02	0.07	0.00	N/A	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.47	-0.16	-0.31	0.00	N/A	ppb
Silicon	28-1	0.10	-0.09	-0.01	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	-0.24	-0.08	0.32	0.00	N/A	ppb
Strontium	86-1	-0.07	0.03	0.04	0.00	N/A	ppb
Strontium	88-1	0.00	0.02	-0.02	0.00	N/A	ppb
Sulfur	34-1	-203.98	-247.29	-90.27	-180.52		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	-0.01	-0.01	0.00	N/A	ppb
Titanium	47-1	0.00	0.00	0.00	0.00	N/A	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	N/A	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P8
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 13:53:59 DataFile Name : 004CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	N/A	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				100		%
Zinc	66-2	-0.03	0.03	0.01	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 : LB135886 Operator : Jaswal
Lab Sample ID : S2 Instrumnet Name : P8
Client Sample ID : S2 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:00:39 DataFile Name : 006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.13	19.92	19.28	19.44	2.15	ppb
Antimony	121-1	2.00	2.00	2.05	2.02	1.34	ppb
Arsenic	75-2	1.11	1.04	1.10	1.08	3.30	ppb
Barium	135-1	9.87	9.74	9.95	9.85	1.10	ppb
Barium	137-1	9.86	10.01	9.94	9.94	0.73	ppb
Beryllium	9-1	1.15	1.21	1.21	1.19	2.97	ppb
Bismuth	209-1				100		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	0.87	0.91	0.93	0.90	3.71	ppb
Cadmium	106-1	0.75	0.54	1.38	0.89	49.18	ppb
Cadmium	111-1	0.88	0.87	1.00	0.92	8.00	ppb
Calcium	43-1	480.70	469.31	500.68	483.56	3.28	ppb
Calcium	44-1	488.22	474.27	494.36	485.62	2.12	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.97	1.99	1.98	1.98	0.56	ppb
Cobalt	59-2	1.10	1.10	1.08	1.09	1.23	ppb
Copper	63-2	2.21	2.18	2.16	2.18	1.09	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				102		%
Holmium	165-2				102		%
Indium	115-1				98		%
Indium	115-2				100		%
Iron	54-2	51.65	51.67	51.71	51.68	0.06	ppb
Iron	56-2	50.93	52.95	49.88	51.26	3.04	ppb
Iron	57-2	50.14	55.86	52.01	52.67	5.53	ppb
Krypton	83-1						cps
Lead	206-1	0.78	0.79	0.80	0.79	1.32	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S2 Instrumnet Name : P8
Client Sample ID : S2 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:00:39 DataFile Name : 006CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.79	0.84	0.84	0.82	2.99	ppb
Lead	208-1	0.79	0.81	0.82	0.81	1.96	ppb
Lithium	6-1				102		%
Magnesium	24-2	521.12	529.33	517.18	522.54	1.19	ppb
Manganese	55-2	1.06	1.09	1.02	1.06	3.42	ppb
Molybdenum	94-1	5.85	5.83	5.92	5.87	0.81	ppb
Molybdenum	95-1	4.91	4.79	4.85	4.85	1.20	ppb
Molybdenum	96-1	4.93	4.98	4.79	4.90	1.97	ppb
Molybdenum	97-1	4.84	4.87	4.83	4.85	0.43	ppb
Molybdenum	98-1	4.80	4.87	4.77	4.81	1.03	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.90	1.04	0.90	0.95	8.26	ppb
Phosphorus	31-2	113.09	129.73	114.10	118.97	7.84	ppb
Potassium	39-2	492.34	496.00	475.30	487.88	2.27	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				100		%
Scandium	45-2				101		%
Selenium	82-1	5.43	5.30	4.84	5.19	5.97	ppb
Selenium	77-2	5.54	6.23	6.65	6.14	9.18	ppb
Selenium	78-2	4.20	3.90	5.52	4.54	18.98	ppb
Silicon	28-1	0.66	0.55	0.78	0.66	17.28	ppb
Silver	107-1	1.08	1.07	1.12	1.09	2.27	ppb
Silver	109-1	1.07	1.12	1.08	1.09	2.25	ppb
Sodium	23-2	499.11	508.96	491.47	499.84	1.75	ppb
Strontium	86-1	24.43	23.34	23.45	23.74	2.54	ppb
Strontium	88-1	24.35	24.68	24.29	24.44	0.84	ppb
Sulfur	34-1	246.96	21.13	273.46	180.52	76.82	ppb
Terbium	159-1				99		%
Terbium	159-2				100		%
Thallium	203-1	0.92	0.93	0.96	0.94	2.08	ppb
Thallium	205-1	0.93	0.97	0.96	0.96	2.13	ppb
Tin	118-1	4.96	5.00	5.04	5.00	0.75	ppb
Titanium	47-1	5.17	5.16	5.32	5.22	1.77	ppb
Uranium	238-1	0.88	0.92	0.91	0.91	2.05	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S2 Instrumnet Name : P8
Client Sample ID : S2 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:00:39 DataFile Name : 006CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	5.03	5.04	4.98	5.01	0.70	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				102		%
Zinc	66-2	5.20	5.70	5.15	5.35	5.65	ppb
Zirconium	90-1	1.03	1.03	1.03	1.03	0.48	ppb
Zirconium	91-1	1.04	1.03	1.00	1.02	1.73	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S3 Instrumnet Name : P8
Client Sample ID : S3 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:03:58 DataFile Name : 007CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1056.04	1042.88	1046.94	1048.62	0.64	ppb
Antimony	121-1	49.04	51.02	51.17	50.41	2.36	ppb
Arsenic	75-2	49.65	50.89	52.87	51.13	3.17	ppb
Barium	135-1	243.89	252.36	251.42	249.22	1.86	ppb
Barium	137-1	253.31	265.02	263.48	260.60	2.44	ppb
Beryllium	9-1	55.72	57.38	56.68	56.59	1.47	ppb
Bismuth	209-1				99		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	53.28	53.56	55.71	54.18	2.45	ppb
Cadmium	106-1	51.11	55.55	55.17	53.94	4.56	ppb
Cadmium	111-1	51.04	52.78	52.79	52.20	1.93	ppb
Calcium	43-1	5122.36	5043.32	5185.37	5117.02	1.39	ppb
Calcium	44-1	4989.69	4857.02	5096.15	4980.95	2.41	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	52.16	52.42	51.90	52.16	0.49	ppb
Cobalt	59-2	53.73	52.50	53.72	53.32	1.32	ppb
Copper	63-2	564.13	561.15	567.94	564.40	0.60	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				97		%
Indium	115-2				97		%
Iron	54-2	2673.67	2668.58	2622.93	2655.06	1.05	ppb
Iron	56-2	2583.55	2593.16	2581.45	2586.05	0.24	ppb
Iron	57-2	2562.40	2583.99	2613.46	2586.62	0.99	ppb
Krypton	83-1						cps
Lead	206-1	251.35	255.15	250.76	252.42	0.94	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S3 Instrumnet Name : P8
Client Sample ID : S3 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:03:58 DataFile Name : 007CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	251.11	257.26	253.74	254.04	1.21	ppb
Lead	208-1	247.77	251.26	249.73	249.59	0.70	ppb
Lithium	6-1				103		%
Magnesium	24-2	5319.51	5257.23	5282.82	5286.52	0.59	ppb
Manganese	55-2	521.23	524.73	512.51	519.49	1.21	ppb
Molybdenum	94-1	503.24	497.35	505.08	501.89	0.80	ppb
Molybdenum	95-1	501.48	491.26	512.83	501.86	2.15	ppb
Molybdenum	96-1	493.72	501.78	500.69	498.73	0.88	ppb
Molybdenum	97-1	493.68	506.38	500.04	500.04	1.27	ppb
Molybdenum	98-1	502.98	508.17	509.16	506.77	0.66	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	53.07	52.93	52.91	52.97	0.16	ppb
Phosphorus	31-2	883.96	968.80	900.45	917.74	4.90	ppb
Potassium	39-2	2549.58	2563.57	2587.94	2567.03	0.76	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				98		%
Scandium	45-2				99		%
Selenium	82-1	51.10	53.68	52.14	52.31	2.49	ppb
Selenium	77-2	50.57	52.93	52.89	52.13	2.60	ppb
Selenium	78-2	54.19	49.74	45.89	49.94	8.32	ppb
Silicon	28-1	53.60	52.36	51.90	52.62	1.67	ppb
Silver	107-1	51.51	55.95	55.02	54.16	4.32	ppb
Silver	109-1	51.35	54.00	54.12	53.16	2.94	ppb
Sodium	23-2	5208.12	5224.58	5176.00	5202.90	0.47	ppb
Strontium	86-1	1211.78	1262.08	1230.89	1234.92	2.06	ppb
Strontium	88-1	1269.31	1266.75	1256.62	1264.22	0.53	ppb
Sulfur	34-1	1325.96	1271.67	1404.90	1334.18	5.02	ppb
Terbium	159-1				100		%
Terbium	159-2				98		%
Thallium	203-1	47.67	47.87	48.21	47.92	0.56	ppb
Thallium	205-1	49.41	49.70	50.27	49.79	0.88	ppb
Tin	118-1	49.78	51.61	51.59	51.00	2.06	ppb
Titanium	47-1	520.91	505.48	512.93	513.11	1.50	ppb
Uranium	238-1	47.66	48.16	48.33	48.05	0.72	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S3 Instrumnet Name : P8
Client Sample ID : S3 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:03:58 DataFile Name : 007CALB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	51.90	52.12	52.45	52.16	0.53	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				99		%
Zinc	66-2	533.50	528.47	532.80	531.59	0.51	ppb
Zirconium	90-1	50.73	51.16	50.73	50.88	0.49	ppb
Zirconium	91-1	48.64	49.82	49.25	49.24	1.20	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S4 Instrumnet Name : P8
Client Sample ID : S4 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:07:00 DataFile Name : 008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2603.79	2604.83	2556.16	2588.26	1.07	ppb
Antimony	121-1	125.51	128.07	127.30	126.96	1.03	ppb
Arsenic	75-2	126.01	129.90	126.55	127.48	1.65	ppb
Barium	135-1	635.06	634.38	633.32	634.26	0.14	ppb
Barium	137-1	639.82	632.01	637.30	636.38	0.63	ppb
Beryllium	9-1	136.43	134.65	138.40	136.49	1.37	ppb
Bismuth	209-1				99		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Cadmium	108-1	130.14	130.84	130.89	130.63	0.32	ppb
Cadmium	106-1	128.77	130.38	132.39	130.52	1.39	ppb
Cadmium	111-1	126.78	126.26	128.22	127.09	0.80	ppb
Calcium	43-1	12703.54	12588.97	12735.71	12676.07	0.61	ppb
Calcium	44-1	12447.04	12132.12	12447.05	12342.07	1.47	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	126.44	127.29	125.78	126.50	0.60	ppb
Cobalt	59-2	129.17	130.40	127.99	129.19	0.93	ppb
Copper	63-2	1318.04	1332.51	1311.78	1320.78	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				101		%
Holmium	165-2				98		%
Indium	115-1				96		%
Indium	115-2				94		%
Iron	54-2	6487.46	6583.40	6440.23	6503.70	1.12	ppb
Iron	56-2	6444.24	6447.13	6270.84	6387.40	1.58	ppb
Iron	57-2	6343.72	6407.84	6328.95	6360.17	0.66	ppb
Krypton	83-1						cps
Lead	206-1	604.91	612.93	612.63	610.16	0.75	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S4 Instrumnet Name : P8
Client Sample ID : S4 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:07:00 DataFile Name : 008CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	611.36	606.00	616.74	611.37	0.88	ppb
Lead	208-1	616.15	609.63	612.24	612.67	0.54	ppb
Lithium	6-1				104		%
Magnesium	24-2	13077.71	12992.75	12539.19	12869.88	2.25	ppb
Manganese	55-2	1299.74	1314.31	1296.73	1303.59	0.72	ppb
Molybdenum	94-1	1246.64	1235.13	1253.10	1244.96	0.73	ppb
Molybdenum	95-1	1260.98	1247.15	1267.42	1258.52	0.82	ppb
Molybdenum	96-1	1245.60	1230.39	1249.60	1241.86	0.82	ppb
Molybdenum	97-1	1236.14	1218.75	1245.14	1233.34	1.09	ppb
Molybdenum	98-1	1240.94	1249.32	1243.23	1244.50	0.35	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	126.77	127.76	125.07	126.53	1.08	ppb
Phosphorus	31-2	2524.02	2475.68	2449.81	2483.17	1.52	ppb
Potassium	39-2	6356.28	6362.24	6339.16	6352.56	0.19	ppb
Rhodium	103-1				94		%
Rhodium	103-2				95		%
Scandium	45-1				96		%
Scandium	45-2				97		%
Selenium	82-1	129.22	127.28	129.31	128.61	0.89	ppb
Selenium	77-2	132.63	140.85	128.91	134.13	4.56	ppb
Selenium	78-2	127.54	142.46	130.73	133.58	5.88	ppb
Silicon	28-1	134.59	129.48	132.60	132.22	1.95	ppb
Silver	107-1	133.35	134.23	136.05	134.55	1.02	ppb
Silver	109-1	134.76	134.43	136.87	135.36	0.98	ppb
Sodium	23-2	12922.82	12708.35	12440.87	12690.68	1.90	ppb
Strontium	86-1	3046.04	3034.61	3082.38	3054.34	0.82	ppb
Strontium	88-1	3110.25	3069.68	3121.52	3100.48	0.88	ppb
Sulfur	34-1	3439.98	3168.60	3325.64	3311.41	4.11	ppb
Terbium	159-1				100		%
Terbium	159-2				96		%
Thallium	203-1	122.51	124.42	124.62	123.85	0.94	ppb
Thallium	205-1	121.51	122.97	121.14	121.87	0.79	ppb
Tin	118-1	126.11	128.03	127.94	127.36	0.85	ppb
Titanium	47-1	1272.71	1233.90	1271.34	1259.31	1.75	ppb
Uranium	238-1	120.43	120.86	117.48	119.59	1.54	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S4 Instrumnet Name : P8
Client Sample ID : S4 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:07:00 DataFile Name : 008CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	125.38	127.02	127.36	126.59	0.84	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				95		%
Zinc	66-2	1284.64	1304.78	1279.30	1289.57	1.04	ppb
Zirconium	90-1	124.90	123.35	124.25	124.17	0.63	ppb
Zirconium	91-1	120.56	122.81	123.86	122.41	1.38	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S5 Instrumnet Name : P8
Client Sample ID : S5 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:09:54 DataFile Name : 009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	5204.10	5277.16	5169.92	5217.06	1.05	ppb
Antimony	121-1	248.80	258.83	255.73	254.45	2.02	ppb
Arsenic	75-2	255.84	251.16	254.60	253.87	0.96	ppb
Barium	135-1	1245.70	1280.72	1284.78	1270.40	1.69	ppb
Barium	137-1	1226.73	1294.61	1274.01	1265.12	2.75	ppb
Beryllium	9-1	259.64	262.08	264.05	261.92	0.84	ppb
Bismuth	209-1				97		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	256.42	264.69	267.29	262.80	2.16	ppb
Cadmium	106-1	253.99	263.36	260.47	259.27	1.85	ppb
Cadmium	111-1	249.26	257.24	255.89	254.13	1.68	ppb
Calcium	43-1	25372.38	25307.80	24497.68	25059.29	1.95	ppb
Calcium	44-1	24406.22	24818.22	24660.27	24628.24	0.84	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	252.88	254.91	253.85	253.88	0.40	ppb
Cobalt	59-2	267.74	265.73	267.48	266.98	0.41	ppb
Copper	63-2	2649.36	2658.84	2630.28	2646.16	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				99		%
Holmium	165-2				96		%
Indium	115-1				93		%
Indium	115-2				88		%
Iron	54-2	13241.97	13377.59	13174.84	13264.80	0.78	ppb
Iron	56-2	12916.95	13006.49	12729.62	12884.35	1.10	ppb
Iron	57-2	12776.79	12661.07	12679.86	12705.91	0.49	ppb
Krypton	83-1						cps
Lead	206-1	1221.39	1238.37	1224.48	1228.08	0.74	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S5 Instrumnet Name : P8
Client Sample ID : S5 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:09:54 DataFile Name : 009CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	1224.46	1249.76	1255.36	1243.19	1.32	ppb
Lead	208-1	1221.64	1247.45	1255.95	1241.68	1.44	ppb
Lithium	6-1				101		%
Magnesium	24-2	26038.10	25957.68	26309.66	26101.81	0.71	ppb
Manganese	55-2	2606.85	2593.20	2585.65	2595.23	0.41	ppb
Molybdenum	94-1	2515.61	2522.37	2517.22	2518.40	0.14	ppb
Molybdenum	95-1	2489.20	2515.82	2490.76	2498.59	0.60	ppb
Molybdenum	96-1	2479.01	2544.95	2518.53	2514.16	1.32	ppb
Molybdenum	97-1	2476.43	2548.38	2500.33	2508.38	1.46	ppb
Molybdenum	98-1	2500.05	2531.00	2491.21	2507.42	0.83	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	255.92	255.61	254.69	255.41	0.25	ppb
Phosphorus	31-2	5143.37	5214.89	5020.62	5126.29	1.92	ppb
Potassium	39-2	12771.33	12743.49	12832.05	12782.29	0.35	ppb
Rhodium	103-1				91		%
Rhodium	103-2				91		%
Scandium	45-1				94		%
Scandium	45-2				94		%
Selenium	82-1	256.38	260.33	258.66	258.46	0.77	ppb
Selenium	77-2	249.54	240.00	261.17	250.24	4.24	ppb
Selenium	78-2	248.94	266.19	262.04	259.06	3.47	ppb
Silicon	28-1	261.67	261.70	260.36	261.24	0.29	ppb
Silver	107-1	260.68	265.19	264.88	263.58	0.96	ppb
Silver	109-1	257.32	270.24	264.64	264.07	2.45	ppb
Sodium	23-2	25650.71	25496.38	26250.24	25799.11	1.54	ppb
Strontium	86-1	6436.03	6419.72	6395.40	6417.05	0.32	ppb
Strontium	88-1	6177.38	6320.24	6350.42	6282.68	1.47	ppb
Sulfur	34-1	4974.78	4959.74	4811.70	4915.41	1.83	ppb
Terbium	159-1				97		%
Terbium	159-2				95		%
Thallium	203-1	249.08	247.96	246.66	247.90	0.49	ppb
Thallium	205-1	248.21	246.83	246.23	247.09	0.41	ppb
Tin	118-1	248.56	256.17	257.40	254.04	1.88	ppb
Titanium	47-1	2494.43	2531.33	2499.98	2508.58	0.79	ppb
Uranium	238-1	238.42	245.66	244.58	242.89	1.61	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S5 Instrumnet Name : P8
Client Sample ID : S5 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:09:54 DataFile Name : 009CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	251.36	256.14	252.23	253.24	1.01	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				96		%
Yttrium	89-2				93		%
Zinc	66-2	2686.99	2682.53	2679.62	2683.05	0.14	ppb
Zirconium	90-1	249.73	251.97	249.25	250.32	0.58	ppb
Zirconium	91-1	255.11	257.12	253.73	255.32	0.67	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S6 Instrumnet Name : P8
Client Sample ID : S6 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:12:43 DataFile Name : 010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10017.62	9918.41	10428.19	10121.41	2.67	ppb
Antimony	121-1	494.16	509.55	507.84	503.85	1.67	ppb
Arsenic	75-2	505.87	489.21	517.11	504.06	2.79	ppb
Barium	135-1	2432.58	2509.13	2554.10	2498.60	2.46	ppb
Barium	137-1	2463.61	2527.87	2535.22	2508.90	1.57	ppb
Beryllium	9-1	487.42	511.49	505.59	501.50	2.50	ppb
Bismuth	209-1				94		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	497.26	510.91	515.07	507.75	1.83	ppb
Cadmium	106-1	500.09	511.80	510.72	507.54	1.28	ppb
Cadmium	111-1	504.97	527.49	522.53	518.33	2.28	ppb
Calcium	43-1	50526.26	49242.58	50300.38	50023.07	1.37	ppb
Calcium	44-1	49026.37	49463.42	50521.73	49670.51	1.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	508.93	496.19	515.33	506.82	1.92	ppb
Cobalt	59-2	507.09	506.88	523.89	512.62	1.90	ppb
Copper	63-2	5035.69	4957.42	5229.15	5074.09	2.76	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				96		%
Indium	115-1				90		%
Indium	115-2				85		%
Iron	54-2	25477.38	24579.73	26076.51	25377.87	2.97	ppb
Iron	56-2	24842.59	24681.78	25433.10	24985.82	1.58	ppb
Iron	57-2	25448.47	25682.25	25948.33	25693.02	0.97	ppb
Krypton	83-1						cps
Lead	206-1	2484.04	2536.02	2539.46	2519.84	1.23	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S6 Instrumnet Name : P8
Client Sample ID : S6 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:12:43 DataFile Name : 010CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2438.42	2503.50	2566.70	2502.87	2.56	ppb
Lead	208-1	2445.46	2511.70	2556.55	2504.57	2.23	ppb
Lithium	6-1				100		%
Magnesium	24-2	50371.23	49599.13	51272.06	50414.14	1.66	ppb
Manganese	55-2	4939.47	4893.83	5063.10	4965.47	1.76	ppb
Molybdenum	94-1	4998.77	5137.27	5125.07	5087.04	1.51	ppb
Molybdenum	95-1	5050.39	5115.56	5055.84	5073.93	0.71	ppb
Molybdenum	96-1	4958.90	5118.22	5141.63	5072.92	1.96	ppb
Molybdenum	97-1	4927.25	5158.73	5096.79	5060.92	2.37	ppb
Molybdenum	98-1	4947.81	5068.01	5072.20	5029.34	1.40	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	481.42	475.98	499.62	485.67	2.55	ppb
Phosphorus	31-2	9928.58	9796.68	10345.50	10023.59	2.86	ppb
Potassium	39-2	24838.03	24507.28	24775.47	24706.93	0.71	ppb
Rhodium	103-1				88		%
Rhodium	103-2				89		%
Scandium	45-1				91		%
Scandium	45-2				93		%
Selenium	82-1	508.69	511.17	526.28	515.38	1.85	ppb
Selenium	77-2	516.71	489.53	542.70	516.31	5.15	ppb
Selenium	78-2	509.79	492.71	533.45	511.99	4.00	ppb
Silicon	28-1	512.36	519.24	507.18	512.92	1.18	ppb
Silver	107-1	505.62	504.07	518.88	509.52	1.60	ppb
Silver	109-1	505.68	513.63	521.64	513.65	1.55	ppb
Sodium	23-2	50323.10	48808.13	50529.17	49886.80	1.88	ppb
Strontium	86-1	12536.67	12586.39	12655.20	12592.75	0.47	ppb
Strontium	88-1	12465.05	12693.62	12738.07	12632.25	1.16	ppb
Sulfur	34-1	10075.15	10285.91	9812.19	10057.75	2.36	ppb
Terbium	159-1				97		%
Terbium	159-2				93		%
Thallium	203-1	495.89	498.18	507.44	500.51	1.22	ppb
Thallium	205-1	500.45	503.45	509.29	504.39	0.89	ppb
Tin	118-1	492.41	510.82	507.65	503.62	1.95	ppb
Titanium	47-1	4973.10	5107.54	5111.70	5064.11	1.56	ppb
Uranium	238-1	487.68	495.79	505.16	496.21	1.76	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S6 Instrumnet Name : P8
Client Sample ID : S6 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:12:43 DataFile Name : 010CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	509.59	486.81	509.42	501.94	2.61	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				93		%
Yttrium	89-2				91		%
Zinc	66-2	5093.25	5086.71	5289.37	5156.44	2.23	ppb
Zirconium	90-1	496.50	506.87	506.87	503.41	1.19	ppb
Zirconium	91-1	505.63	515.33	507.32	509.43	1.02	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S7 Instrumnet Name : P8
Client Sample ID : S7 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:15:28 DataFile Name : 011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	20251.58	19980.87	20322.88	20185.11	0.89	ppb
Antimony	121-1	998.88	986.47	1004.73	996.70	0.94	ppb
Arsenic	75-2	991.58	1023.65	974.68	996.63	2.50	ppb
Barium	135-1	4979.21	4916.45	5087.78	4994.48	1.74	ppb
Barium	137-1	4975.55	4905.61	5088.30	4989.82	1.85	ppb
Beryllium	9-1	989.67	1021.13	972.70	994.50	2.47	ppb
Bismuth	209-1				91		%
Bismuth	209-2				86		%
Bromine	81-1						cps
Cadmium	108-1	987.33	981.45	1007.26	992.01	1.36	ppb
Cadmium	106-1	991.55	975.42	1012.11	993.03	1.85	ppb
Cadmium	111-1	984.06	964.59	1019.64	989.43	2.82	ppb
Calcium	43-1	99061.23	100331.84	97713.40	99035.49	1.32	ppb
Calcium	44-1	98000.34	99337.31	96328.54	97888.73	1.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1007.82	981.86	996.30	995.33	1.31	ppb
Cobalt	59-2	1017.87	980.11	968.28	988.75	2.62	ppb
Copper	63-2	10167.16	9880.40	9695.49	9914.35	2.40	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				97		%
Holmium	165-2				93		%
Indium	115-1				86		%
Indium	115-2				77		%
Iron	54-2	51171.19	50535.84	49069.09	50258.71	2.15	ppb
Iron	56-2	50337.60	48629.00	49639.16	49535.25	1.73	ppb
Iron	57-2	50538.95	48239.56	49403.28	49393.93	2.33	ppb
Krypton	83-1						cps
Lead	206-1	4941.11	5044.21	5006.56	4997.29	1.04	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S7 Instrumnet Name : P8
Client Sample ID : S7 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:15:28 DataFile Name : 011CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	4949.77	5061.22	4994.31	5001.77	1.12	ppb
Lead	208-1	4967.89	5043.41	4992.76	5001.36	0.77	ppb
Lithium	6-1				95		%
Magnesium	24-2	100898.06	99837.55	98709.85	99815.15	1.10	ppb
Manganese	55-2	10197.70	9799.49	9960.16	9985.78	2.01	ppb
Molybdenum	94-1	9943.67	9955.67	9957.91	9952.42	0.08	ppb
Molybdenum	95-1	10002.51	10010.62	9873.55	9962.23	0.77	ppb
Molybdenum	96-1	10036.73	10023.62	9822.90	9961.08	1.20	ppb
Molybdenum	97-1	9840.32	10065.23	10003.02	9969.52	1.16	ppb
Molybdenum	98-1	9991.09	9982.34	9978.04	9983.82	0.07	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	1033.26	982.60	1000.55	1005.47	2.55	ppb
Phosphorus	31-2	20123.55	19864.90	19900.11	19962.85	0.70	ppb
Potassium	39-2	48841.43	48860.54	47560.38	48420.78	1.54	ppb
Rhodium	103-1				84		%
Rhodium	103-2				84		%
Scandium	45-1				89		%
Scandium	45-2				92		%
Selenium	82-1	992.19	988.03	988.67	989.63	0.23	ppb
Selenium	77-2	987.70	1033.93	949.97	990.53	4.25	ppb
Selenium	78-2	997.06	1012.56	962.40	990.68	2.59	ppb
Silicon	28-1	1007.85	983.61	977.90	989.79	1.61	ppb
Silver	107-1	994.20	985.59	991.54	990.44	0.44	ppb
Silver	109-1	982.18	979.42	1003.02	988.21	1.31	ppb
Sodium	23-2	100173.04	99302.53	98755.75	99410.44	0.72	ppb
Strontium	86-1	24855.29	24605.95	25255.09	24905.44	1.31	ppb
Strontium	88-1	24926.93	25174.45	24636.98	24912.79	1.08	ppb
Sulfur	34-1	20382.56	19661.63	19578.23	19874.14	2.23	ppb
Terbium	159-1				95		%
Terbium	159-2				91		%
Thallium	203-1	989.52	1011.63	1000.41	1000.52	1.11	ppb
Thallium	205-1	985.31	1010.88	1000.61	998.93	1.29	ppb
Tin	118-1	992.42	998.71	999.37	996.83	0.38	ppb
Titanium	47-1	9975.19	10099.89	9816.85	9963.98	1.42	ppb
Uranium	238-1	980.09	1018.43	1014.82	1004.45	2.11	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S7 Instrumnet Name : P8
Client Sample ID : S7 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:15:28 DataFile Name : 011CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	1026.03	996.38	971.32	997.91	2.74	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				91		%
Yttrium	89-2				89		%
Zinc	66-2	10069.56	9809.91	9728.99	9869.49	1.80	ppb
Zirconium	90-1	993.15	992.19	1009.48	998.28	0.97	ppb
Zirconium	91-1	995.18	998.05	989.72	994.32	0.43	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S8 Instrumnet Name : P8
Client Sample ID : S8 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:18:15 DataFile Name : 012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	100810.08	98524.81	100476.99	99937.29	1.24	ppb
Antimony	121-1	0.54	0.49	0.49	0.51	6.00	ppb
Arsenic	75-2	0.47	0.49	0.52	0.50	4.68	ppb
Barium	135-1	2.25	2.28	2.31	2.28	1.26	ppb
Barium	137-1	2.36	2.27	2.34	2.33	2.06	ppb
Beryllium	9-1	0.20	0.16	0.13	0.16	22.17	ppb
Bismuth	209-1				81		%
Bismuth	209-2				77		%
Bromine	81-1						cps
Cadmium	108-1	0.48	0.50	0.60	0.53	12.23	ppb
Cadmium	106-1	-0.71	-0.39	-0.23	-0.44		ppb
Cadmium	111-1	0.10	0.12	0.13	0.12	11.39	ppb
Calcium	43-1	500625.06	500925.95	498995.22	500182.07	0.21	ppb
Calcium	44-1	502121.69	497205.53	502106.62	500477.94	0.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.30	1.31	1.29	1.30	0.57	ppb
Cobalt	59-2	1.19	1.16	1.10	1.15	3.87	ppb
Copper	63-2	1.47	1.43	1.47	1.46	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				93		%
Holmium	165-2				89		%
Indium	115-1				81		%
Indium	115-2				76		%
Iron	54-2	250559.56	247135.69	251897.77	249864.34	0.98	ppb
Iron	56-2	251907.51	247918.75	250386.30	250070.85	0.80	ppb
Iron	57-2	253490.09	243858.88	252765.02	250038.00	2.15	ppb
Krypton	83-1						cps
Lead	206-1	3.98	3.89	3.93	3.93	1.08	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S8 Instrumnet Name : P8
Client Sample ID : S8 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:18:15 DataFile Name : 012CAL.S.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	4.05	3.93	3.90	3.96	2.07	ppb
Lead	208-1	3.96	3.93	3.91	3.93	0.73	ppb
Lithium	6-1				86		%
Magnesium	24-2	509443.19	492273.59	498068.21	499928.33	1.75	ppb
Manganese	55-2	2.36	2.40	2.47	2.41	2.22	ppb
Molybdenum	94-1	2.60	2.56	2.55	2.57	1.17	ppb
Molybdenum	95-1	1.39	1.29	1.21	1.30	6.71	ppb
Molybdenum	96-1	2.31	2.25	2.17	2.24	3.17	ppb
Molybdenum	97-1	1.36	1.22	1.14	1.24	9.18	ppb
Molybdenum	98-1	1.26	1.17	1.07	1.17	8.01	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	2.36	2.40	2.43	2.40	1.48	ppb
Phosphorus	31-2	-116.01	-111.36	-110.03	-112.47		ppb
Potassium	39-2	250373.00	247268.06	253342.42	250327.83	1.21	ppb
Rhodium	103-1				75		%
Rhodium	103-2				75		%
Scandium	45-1				84		%
Scandium	45-2				85		%
Selenium	82-1	0.79	0.90	0.71	0.80	11.99	ppb
Selenium	77-2	1.20	0.60	0.61	0.80	42.96	ppb
Selenium	78-2	0.50	0.14	0.52	0.39	54.59	ppb
Silicon	28-1	0.58	1.39	1.30	1.09	40.55	ppb
Silver	107-1	0.12	0.10	0.09	0.10	10.27	ppb
Silver	109-1	0.11	0.10	0.09	0.10	8.71	ppb
Sodium	23-2	506962.50	500539.69	492745.25	500082.48	1.42	ppb
Strontium	86-1	83.02	85.68	85.57	84.76	1.78	ppb
Strontium	88-1	83.57	86.02	85.35	84.98	1.49	ppb
Sulfur	34-1	-749.01	-744.65	-810.99	-768.22		ppb
Terbium	159-1				90		%
Terbium	159-2				87		%
Thallium	203-1	0.09	0.08	0.08	0.08	5.68	ppb
Thallium	205-1	0.10	0.08	0.07	0.08	13.19	ppb
Tin	118-1	0.16	0.14	0.14	0.15	7.97	ppb
Titanium	47-1	1.03	0.94	0.90	0.96	7.27	ppb
Uranium	238-1	0.06	0.05	0.04	0.05	18.67	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S8 Instrumnet Name : P8
Client Sample ID : S8 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:18:15 DataFile Name : 012CALS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.30	0.29	0.28	0.29	2.63	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				88		%
Yttrium	89-2				86		%
Zinc	66-2	45.13	43.85	45.20	44.73	1.70	ppb
Zirconium	90-1	0.80	0.84	0.80	0.81	3.15	ppb
Zirconium	91-1	0.83	0.81	0.82	0.82	0.87	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICV01 Instrumnet Name : P8
Client Sample ID : ICV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:30:41 DataFile Name : 014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	476.64	464.59	469.58	470.27	1.29	ppb
Antimony	121-1	196.60	196.38	198.07	197.02	0.47	ppb
Arsenic	75-2	199.24	198.68	194.91	197.61	1.19	ppb
Barium	135-1	97.43	97.37	98.43	97.74	0.61	ppb
Barium	137-1	99.04	99.28	99.16	99.16	0.12	ppb
Beryllium	9-1	107.36	107.67	103.41	106.15	2.23	ppb
Bismuth	209-1				101		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	85.61	86.15	86.77	86.18	0.67	ppb
Cadmium	106-1	81.22	82.23	82.87	82.10	1.01	ppb
Cadmium	111-1	99.75	101.56	101.73	101.01	1.08	ppb
Calcium	43-1	1889.33	1906.66	1857.83	1884.61	1.31	ppb
Calcium	44-1	1886.74	1896.61	1857.96	1880.44	1.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	100.88	100.72	100.03	100.54	0.45	ppb
Cobalt	59-2	105.28	104.58	105.13	105.00	0.35	ppb
Copper	63-2	108.22	108.13	107.49	107.95	0.37	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				99		%
Indium	115-2				100		%
Iron	54-2	2076.43	2059.50	2043.08	2059.67	0.81	ppb
Iron	56-2	1990.65	2003.73	2001.59	1998.66	0.35	ppb
Iron	57-2	1965.58	1962.42	1970.00	1966.00	0.19	ppb
Krypton	83-1						cps
Lead	206-1	207.24	202.21	208.00	205.82	1.53	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICV01 Instrumnet Name : P8
Client Sample ID : ICV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:30:41 DataFile Name : 014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	201.54	199.77	203.36	201.56	0.89	ppb
Lead	208-1	201.76	201.25	206.35	203.12	1.38	ppb
Lithium	6-1				103		%
Magnesium	24-2	1159.58	1167.54	1172.92	1166.68	0.58	ppb
Manganese	55-2	100.74	101.21	101.20	101.05	0.27	ppb
Molybdenum	94-1	0.11	0.09	0.12	0.11	13.50	ppb
Molybdenum	95-1	0.04	0.04	0.05	0.04	13.41	ppb
Molybdenum	96-1	0.07	0.05	0.06	0.06	11.84	ppb
Molybdenum	97-1	0.03	0.04	0.04	0.04	11.21	ppb
Molybdenum	98-1	0.04	0.04	0.04	0.04	4.55	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	111.10	110.38	111.22	110.90	0.41	ppb
Phosphorus	31-2	-115.71	-117.49	-119.18	-117.46		ppb
Potassium	39-2	1930.00	1949.73	1919.83	1933.19	0.79	ppb
Rhodium	103-1				98		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	203.55	206.04	211.13	206.91	1.87	ppb
Selenium	77-2	192.96	226.78	204.11	207.95	8.29	ppb
Selenium	78-2	215.61	207.94	216.88	213.48	2.27	ppb
Silicon	28-1	-0.32	-0.18	-0.32	-0.27		ppb
Silver	107-1	46.66	47.64	48.40	47.57	1.83	ppb
Silver	109-1	47.32	48.21	48.20	47.91	1.06	ppb
Sodium	23-2	1969.24	1928.65	1936.92	1944.93	1.10	ppb
Strontium	86-1	5.59	5.17	6.08	5.61	8.11	ppb
Strontium	88-1	5.97	5.96	5.97	5.97	0.12	ppb
Sulfur	34-1	-603.20	-630.64	-730.74	-654.86		ppb
Terbium	159-1				101		%
Terbium	159-2				99		%
Thallium	203-1	207.20	207.56	208.37	207.71	0.29	ppb
Thallium	205-1	206.34	204.60	207.20	206.04	0.64	ppb
Tin	118-1	0.02	0.03	0.03	0.03	20.74	ppb
Titanium	47-1	0.03	0.03	0.03	0.03	15.21	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICV01 Instrumnet Name : P8
Client Sample ID : ICV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:30:41 DataFile Name : 014ICV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	99.85	98.35	97.51	98.57	1.20	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				100		%
Zinc	66-2	211.70	210.90	212.62	211.74	0.40	ppb
Zirconium	90-1	0.02	0.03	0.03	0.03	14.34	ppb
Zirconium	91-1	0.10	0.09	0.09	0.09	4.95	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : LLICV01 Instrumnet Name : P8
Client Sample ID : LLICV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:33:52 DataFile Name : 015LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18.75	20.14	20.61	19.83	4.87	ppb
Antimony	121-1	1.95	1.93	2.01	1.96	2.08	ppb
Arsenic	75-2	0.98	1.08	0.92	1.00	8.10	ppb
Barium	135-1	9.40	9.36	9.54	9.43	0.99	ppb
Barium	137-1	9.54	9.59	9.89	9.67	1.97	ppb
Beryllium	9-1	1.16	1.09	1.17	1.14	3.48	ppb
Bismuth	209-1				101		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	0.87	0.88	0.84	0.86	2.67	ppb
Cadmium	106-1	0.38	0.31	1.04	0.58	70.01	ppb
Cadmium	111-1	0.88	0.86	0.96	0.90	6.20	ppb
Calcium	43-1	469.43	487.61	468.15	475.06	2.29	ppb
Calcium	44-1	471.31	481.50	474.93	475.91	1.08	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.02	1.97	1.98	1.99	1.34	ppb
Cobalt	59-2	1.07	1.08	1.05	1.07	1.04	ppb
Copper	63-2	2.08	2.18	2.14	2.14	2.25	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				99		%
Iron	54-2	48.81	50.38	51.21	50.13	2.43	ppb
Iron	56-2	50.01	50.90	51.16	50.69	1.19	ppb
Iron	57-2	49.16	51.25	48.13	49.51	3.21	ppb
Krypton	83-1						cps
Lead	206-1	0.82	0.84	0.85	0.84	1.92	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : LLICV01 Instrumnet Name : P8
Client Sample ID : LLICV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:33:52 DataFile Name : 015LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.83	0.86	0.83	0.84	2.03	ppb
Lead	208-1	0.82	0.84	0.83	0.83	1.26	ppb
Lithium	6-1				104		%
Magnesium	24-2	496.39	500.51	501.79	499.56	0.56	ppb
Manganese	55-2	0.84	0.98	0.91	0.91	7.65	ppb
Molybdenum	94-1	5.66	5.67	5.77	5.70	1.08	ppb
Molybdenum	95-1	4.69	4.61	4.77	4.69	1.68	ppb
Molybdenum	96-1	4.70	4.66	4.72	4.69	0.72	ppb
Molybdenum	97-1	4.54	4.60	4.74	4.63	2.25	ppb
Molybdenum	98-1	4.58	4.65	4.66	4.63	0.97	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.95	0.93	0.91	0.93	2.28	ppb
Phosphorus	31-2	116.79	106.83	120.63	114.75	6.21	ppb
Potassium	39-2	470.13	477.67	485.06	477.62	1.56	ppb
Rhodium	103-1				98		%
Rhodium	103-2				100		%
Scandium	45-1				99		%
Scandium	45-2				100		%
Selenium	82-1	5.00	4.62	5.11	4.91	5.22	ppb
Selenium	77-2	5.13	4.68	6.67	5.49	19.02	ppb
Selenium	78-2	4.76	4.68	3.99	4.48	9.43	ppb
Silicon	28-1	0.19	0.58	0.31	0.36	55.06	ppb
Silver	107-1	1.08	1.05	1.11	1.08	2.71	ppb
Silver	109-1	1.07	1.07	1.09	1.08	1.09	ppb
Sodium	23-2	498.40	512.63	505.57	505.53	1.41	ppb
Strontium	86-1	24.24	22.68	23.26	23.40	3.37	ppb
Strontium	88-1	23.54	23.58	24.07	23.73	1.25	ppb
Sulfur	34-1	-277.67	-214.46	-308.60	-266.91		ppb
Terbium	159-1				100		%
Terbium	159-2				99		%
Thallium	203-1	0.94	0.94	0.92	0.93	1.18	ppb
Thallium	205-1	0.93	0.93	0.94	0.93	0.71	ppb
Tin	118-1	4.88	4.83	4.92	4.88	0.96	ppb
Titanium	47-1	5.09	5.32	5.18	5.20	2.25	ppb
Uranium	238-1	0.87	0.90	0.86	0.88	2.06	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : LLICV01 Instrumnet Name : P8
Client Sample ID : LLICV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:33:52 DataFile Name : 015LLIC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	4.79	4.94	4.87	4.86	1.51	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				101		%
Zinc	66-2	5.15	5.19	5.21	5.18	0.59	ppb
Zirconium	90-1	0.99	0.99	1.02	1.00	1.94	ppb
Zirconium	91-1	0.99	1.02	1.03	1.01	1.90	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICB01 Instrumnet Name : P8
Client Sample ID : ICB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:37:25 DataFile Name : 016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.20	-0.03	-0.31	-0.05		ppb
Antimony	121-1	0.01	0.01	0.01	0.01	11.34	ppb
Arsenic	75-2	-0.01	0.03	0.02	0.01	199.20	ppb
Barium	135-1	0.01	0.01	0.01	0.01	24.27	ppb
Barium	137-1	0.00	0.00	0.00	0.00		ppb
Beryllium	9-1	0.02	0.02	0.02	0.02	3.86	ppb
Bismuth	209-1				103		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	-0.01	-0.02	0.01	-0.01		ppb
Cadmium	106-1	-0.56	0.39	-0.60	-0.26		ppb
Cadmium	111-1	-0.04	0.03	-0.05	-0.02		ppb
Calcium	43-1	-1.50	-1.02	-0.69	-1.07		ppb
Calcium	44-1	-0.74	-0.89	-0.98	-0.87		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.02	0.00	0.01	0.01	88.59	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.01	0.01	0.01	0.01	26.02	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				103		%
Indium	115-1				101		%
Indium	115-2				101		%
Iron	54-2	-1.36	-1.56	-1.74	-1.55		ppb
Iron	56-2	0.36	0.28	0.41	0.35	19.51	ppb
Iron	57-2	0.29	0.12	1.11	0.51	104.33	ppb
Krypton	83-1						cps
Lead	206-1	0.04	0.04	0.04	0.04	2.69	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICB01 Instrumnet Name : P8
Client Sample ID : ICB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:37:25 DataFile Name : 016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.04	0.04	0.03	0.04	13.16	ppb
Lead	208-1	0.04	0.04	0.04	0.04	1.93	ppb
Lithium	6-1				104		%
Magnesium	24-2	0.60	0.31	0.46	0.45	32.26	ppb
Manganese	55-2	0.02	0.06	0.01	0.03	79.67	ppb
Molybdenum	94-1	0.04	0.02	0.03	0.03	37.21	ppb
Molybdenum	95-1	0.01	0.01	0.00	0.01	62.65	ppb
Molybdenum	96-1	0.01	0.01	0.01	0.01	16.98	ppb
Molybdenum	97-1	0.01	0.01	0.01	0.01	29.59	ppb
Molybdenum	98-1	0.01	0.00	0.00	0.00	16.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.00	-0.02	-0.01	-0.01		ppb
Phosphorus	31-2	-108.46	-112.72	-107.52	-109.57		ppb
Potassium	39-2	7.45	3.28	3.32	4.68	51.17	ppb
Rhodium	103-1				101		%
Rhodium	103-2				102		%
Scandium	45-1				101		%
Scandium	45-2				100		%
Selenium	82-1	-0.12	-0.08	-0.10	-0.10		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.13	0.74	-0.03	0.28	143.08	ppb
Silicon	28-1	-0.17	-0.20	-0.34	-0.24		ppb
Silver	107-1	0.01	0.01	0.01	0.01	17.35	ppb
Silver	109-1	0.01	0.01	0.01	0.01	17.59	ppb
Sodium	23-2	16.61	14.67	14.83	15.37	7.02	ppb
Strontium	86-1	-0.16	-0.33	0.00	-0.17		ppb
Strontium	88-1	-0.01	0.02	0.00	0.00	339.00	ppb
Sulfur	34-1	-577.16	-617.95	-504.06	-566.39		ppb
Terbium	159-1				102		%
Terbium	159-2				100		%
Thallium	203-1	0.01	0.01	0.02	0.01	20.22	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	4.56	ppb
Tin	118-1	0.00	0.02	0.01	0.01	143.93	ppb
Titanium	47-1	0.00	0.02	0.01	0.01	79.56	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICB01 Instrumnet Name : P8
Client Sample ID : ICB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:37:25 DataFile Name : 016CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				103		%
Zinc	66-2	0.09	0.12	-0.01	0.07	95.53	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	24.98	ppb
Zirconium	91-1	0.01	0.01	0.01	0.01	17.91	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICSA01 Instrumnet Name : P8
Client Sample ID : ICSA01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:40:45 DataFile Name : 017ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	92268.87	92003.25	84919.87	89730.67	4.65	ppb
Antimony	121-1	1.04	1.09	1.07	1.07	2.19	ppb
Arsenic	75-2	0.23	0.27	0.38	0.29	26.96	ppb
Barium	135-1	1.34	1.41	1.38	1.38	2.48	ppb
Barium	137-1	1.40	1.40	1.42	1.41	0.59	ppb
Beryllium	9-1	0.32	0.32	0.28	0.30	7.23	ppb
Bismuth	209-1				93		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	13.00	12.63	12.67	12.77	1.58	ppb
Cadmium	106-1	-0.72	-1.04	-0.99	-0.91		ppb
Cadmium	111-1	0.48	0.45	0.44	0.46	3.87	ppb
Calcium	43-1	95832.24	97136.91	98256.18	97075.11	1.25	ppb
Calcium	44-1	95752.92	96642.74	98690.71	97028.79	1.55	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	19.93	19.39	18.91	19.41	2.63	ppb
Cobalt	59-2	1.15	1.18	1.11	1.15	2.76	ppb
Copper	63-2	7.79	7.59	7.30	7.56	3.32	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				92		%
Indium	115-2				92		%
Iron	54-2	100466.75	98746.27	94808.41	98007.15	2.96	ppb
Iron	56-2	100739.71	100026.49	94354.08	98373.42	3.56	ppb
Iron	57-2	101119.27	96881.84	93566.37	97189.16	3.90	ppb
Krypton	83-1						cps
Lead	206-1	4.53	4.40	4.43	4.45	1.61	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICSA01 Instrumnet Name : P8
Client Sample ID : ICSA01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:40:45 DataFile Name : 017ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	4.20	4.08	4.18	4.15	1.52	ppb
Lead	208-1	4.24	4.22	4.23	4.23	0.27	ppb
Lithium	6-1				99		%
Magnesium	24-2	95132.60	95847.43	89732.80	93570.94	3.57	ppb
Manganese	55-2	7.42	7.27	6.76	7.15	4.82	ppb
Molybdenum	94-1	1579.17	1598.24	1627.25	1601.55	1.51	ppb
Molybdenum	95-1	1945.86	1961.70	2012.87	1973.48	1.77	ppb
Molybdenum	96-1	1896.84	1888.22	1920.95	1902.01	0.89	ppb
Molybdenum	97-1	1907.04	1909.63	1970.79	1929.16	1.87	ppb
Molybdenum	98-1	1943.65	1932.80	1976.74	1951.06	1.17	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	5.40	5.45	5.02	5.29	4.41	ppb
Phosphorus	31-2	105739.25	104553.67	98640.67	102977.86	3.69	ppb
Potassium	39-2	100412.52	97764.08	93326.89	97167.83	3.68	ppb
Rhodium	103-1				88		%
Rhodium	103-2				91		%
Scandium	45-1				96		%
Scandium	45-2				96		%
Selenium	82-1	0.11	0.14	0.02	0.09	71.61	ppb
Selenium	77-2	0.00	0.54	0.52	0.35	86.64	ppb
Selenium	78-2	-0.28	-0.12	0.16	-0.08		ppb
Silicon	28-1	1.86	2.20	1.96	2.01	8.51	ppb
Silver	107-1	0.06	0.05	0.04	0.05	16.19	ppb
Silver	109-1	0.06	0.05	0.04	0.05	19.25	ppb
Sodium	23-2	99701.43	99947.24	93115.40	97588.02	3.97	ppb
Strontium	86-1	810.09	818.74	830.17	819.67	1.23	ppb
Strontium	88-1	862.70	844.40	859.19	855.43	1.14	ppb
Sulfur	34-1	102103.09	99869.02	102257.35	101409.82	1.32	ppb
Terbium	159-1				99		%
Terbium	159-2				97		%
Thallium	203-1	0.11	0.14	0.18	0.14	24.70	ppb
Thallium	205-1	0.11	0.14	0.17	0.14	22.59	ppb
Tin	118-1	0.22	0.21	0.18	0.20	9.43	ppb
Titanium	47-1	1999.69	2029.29	2046.74	2025.24	1.17	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	5.75	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICSA01 Instrumnet Name : P8
Client Sample ID : ICSA01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:40:45 DataFile Name : 017ICSA.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.17	0.12	0.12	0.14	21.05	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				97		%
Yttrium	89-2				97		%
Zinc	66-2	10.86	10.82	10.51	10.73	1.82	ppb
Zirconium	90-1	0.02	0.03	0.03	0.03	20.32	ppb
Zirconium	91-1	0.03	0.04	0.04	0.04	7.89	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICSAB01 Instrumnet Name : P8
Client Sample ID : ICSAB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:43:52 DataFile Name : 018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	88199.31	89047.03	89483.24	88909.86	0.73	ppb
Antimony	121-1	19.85	20.30	20.37	20.18	1.39	ppb
Arsenic	75-2	20.85	20.77	20.47	20.70	0.96	ppb
Barium	135-1	20.66	20.90	21.17	20.91	1.22	ppb
Barium	137-1	21.20	21.23	21.43	21.29	0.58	ppb
Beryllium	9-1	20.96	21.98	22.02	21.66	2.76	ppb
Bismuth	209-1				93		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	29.76	28.90	29.20	29.29	1.50	ppb
Cadmium	106-1	13.28	15.05	13.55	13.96	6.84	ppb
Cadmium	111-1	19.07	19.47	19.76	19.43	1.79	ppb
Calcium	43-1	95909.24	94677.97	96341.78	95643.00	0.90	ppb
Calcium	44-1	95160.30	95791.12	95594.79	95515.41	0.34	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	39.06	39.64	40.02	39.57	1.22	ppb
Cobalt	59-2	21.40	21.38	21.43	21.40	0.12	ppb
Copper	63-2	27.85	27.86	27.86	27.86	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				103		%
Holmium	165-2				100		%
Indium	115-1				95		%
Indium	115-2				92		%
Iron	54-2	99447.02	97019.16	99489.91	98652.03	1.43	ppb
Iron	56-2	98195.51	97233.56	99968.98	98466.02	1.41	ppb
Iron	57-2	98898.73	98279.77	98895.69	98691.40	0.36	ppb
Krypton	83-1						cps
Lead	206-1	27.76	27.51	27.90	27.72	0.71	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICSAB01 Instrumnet Name : P8
Client Sample ID : ICSAB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:43:52 DataFile Name : 018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	27.38	27.41	27.40	27.40	0.06	ppb
Lead	208-1	27.18	27.30	27.32	27.27	0.28	ppb
Lithium	6-1				100		%
Magnesium	24-2	93571.83	93944.25	93375.13	93630.40	0.31	ppb
Manganese	55-2	27.45	26.90	27.14	27.16	1.00	ppb
Molybdenum	94-1	1526.37	1569.78	1593.33	1563.16	2.17	ppb
Molybdenum	95-1	1855.58	1899.74	1951.35	1902.22	2.52	ppb
Molybdenum	96-1	1816.42	1864.48	1883.59	1854.83	1.87	ppb
Molybdenum	97-1	1845.56	1894.14	1934.53	1891.41	2.36	ppb
Molybdenum	98-1	1869.75	1917.25	1923.13	1903.38	1.54	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	24.45	24.83	24.79	24.69	0.85	ppb
Phosphorus	31-2	102408.19	101938.24	102935.17	102427.20	0.49	ppb
Potassium	39-2	95806.46	97350.70	99178.50	97445.22	1.73	ppb
Rhodium	103-1				91		%
Rhodium	103-2				89		%
Scandium	45-1				97		%
Scandium	45-2				96		%
Selenium	82-1	19.88	21.04	21.38	20.77	3.77	ppb
Selenium	77-2	20.28	25.34	19.38	21.67	14.82	ppb
Selenium	78-2	20.53	22.85	24.43	22.60	8.68	ppb
Silicon	28-1	2.02	2.00	2.16	2.06	4.28	ppb
Silver	107-1	18.04	18.59	18.62	18.42	1.78	ppb
Silver	109-1	18.24	18.60	18.43	18.43	0.97	ppb
Sodium	23-2	98131.00	98187.43	97371.32	97896.58	0.47	ppb
Strontium	86-1	787.63	807.30	809.10	801.34	1.49	ppb
Strontium	88-1	821.03	847.13	845.29	837.82	1.74	ppb
Sulfur	34-1	101386.84	97877.68	100816.35	100026.96	1.88	ppb
Terbium	159-1				101		%
Terbium	159-2				96		%
Thallium	203-1	20.23	20.11	20.45	20.26	0.86	ppb
Thallium	205-1	20.14	20.33	20.28	20.25	0.48	ppb
Tin	118-1	0.20	0.19	0.19	0.19	1.00	ppb
Titanium	47-1	1942.53	2032.87	2001.54	1992.31	2.30	ppb
Uranium	238-1	0.03	0.03	0.03	0.03	1.79	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICSAB01 Instrumnet Name : P8
Client Sample ID : ICSAB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:43:52 DataFile Name : 018ICSB.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	20.42	20.11	20.55	20.36	1.11	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				97		%
Zinc	66-2	31.17	31.37	30.69	31.08	1.13	ppb
Zirconium	90-1	0.02	0.02	0.03	0.02	17.67	ppb
Zirconium	91-1	0.03	0.04	0.04	0.04	16.09	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV01 Instrumnet Name : P8
Client Sample ID : CCV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:51:26 DataFile Name : 020CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	49728.11	51413.10	50006.92	50382.71	1.79	ppb
Antimony	121-1	497.84	502.54	503.52	501.30	0.61	ppb
Arsenic	75-2	508.73	506.09	503.98	506.26	0.47	ppb
Barium	135-1	2539.28	2564.60	2552.80	2552.22	0.50	ppb
Barium	137-1	2576.76	2582.57	2541.63	2566.99	0.86	ppb
Beryllium	9-1	526.03	533.88	527.02	528.98	0.81	ppb
Bismuth	209-1				86		%
Bismuth	209-2				84		%
Bromine	81-1						cps
Cadmium	108-1	491.66	506.26	504.86	500.93	1.61	ppb
Cadmium	106-1	494.43	507.90	504.39	502.24	1.39	ppb
Cadmium	111-1	503.50	501.66	507.77	504.31	0.62	ppb
Calcium	43-1	235951.90	240460.65	240404.43	238939.00	1.08	ppb
Calcium	44-1	237979.28	238318.38	242111.00	239469.55	0.96	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	524.62	524.31	520.76	523.23	0.41	ppb
Cobalt	59-2	514.09	509.92	514.15	512.72	0.47	ppb
Copper	63-2	5093.44	5077.39	5023.71	5064.85	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				97		%
Holmium	165-2				96		%
Indium	115-1				88		%
Indium	115-2				83		%
Iron	54-2	132044.80	130435.24	131162.17	131214.07	0.61	ppb
Iron	56-2	130855.45	131398.83	129219.84	130491.37	0.87	ppb
Iron	57-2	130196.04	131387.99	130449.69	130677.91	0.48	ppb
Krypton	83-1						cps
Lead	206-1	2568.68	2583.28	2618.32	2590.09	0.98	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV01 Instrumnet Name : P8
Client Sample ID : CCV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:51:26 DataFile Name : 020CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2568.70	2609.38	2603.06	2593.71	0.84	ppb
Lead	208-1	2580.53	2612.70	2613.56	2602.27	0.72	ppb
Lithium	6-1				92		%
Magnesium	24-2	245687.06	249019.84	243348.71	246018.54	1.16	ppb
Manganese	55-2	5250.42	5202.72	5112.04	5188.39	1.35	ppb
Molybdenum	94-1	5102.70	5124.20	5159.70	5128.87	0.56	ppb
Molybdenum	95-1	5035.42	5113.23	5180.38	5109.68	1.42	ppb
Molybdenum	96-1	5108.64	5104.16	5122.96	5111.92	0.19	ppb
Molybdenum	97-1	5067.64	5070.91	5131.28	5089.94	0.70	ppb
Molybdenum	98-1	5056.17	5151.42	5187.77	5131.79	1.32	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	473.44	472.42	474.08	473.31	0.18	ppb
Phosphorus	31-2	10694.72	10497.22	10353.04	10514.99	1.63	ppb
Potassium	39-2	132849.57	132758.44	132345.48	132651.16	0.20	ppb
Rhodium	103-1				84		%
Rhodium	103-2				85		%
Scandium	45-1				92		%
Scandium	45-2				94		%
Selenium	82-1	493.70	496.24	493.96	494.63	0.28	ppb
Selenium	77-2	489.68	519.92	457.11	488.91	6.43	ppb
Selenium	78-2	531.84	514.89	525.30	524.01	1.63	ppb
Silicon	28-1	518.93	512.25	512.28	514.49	0.75	ppb
Silver	107-1	481.44	502.74	492.79	492.32	2.17	ppb
Silver	109-1	486.86	499.84	491.58	492.76	1.33	ppb
Sodium	23-2	241827.23	238049.72	241338.32	240405.09	0.85	ppb
Strontium	86-1	12946.49	12826.23	12777.22	12849.98	0.68	ppb
Strontium	88-1	12579.28	12853.94	12862.56	12765.26	1.26	ppb
Sulfur	34-1	10097.89	10459.45	10171.20	10242.84	1.87	ppb
Terbium	159-1				96		%
Terbium	159-2				93		%
Thallium	203-1	520.74	521.82	530.88	524.48	1.06	ppb
Thallium	205-1	514.28	526.12	530.49	523.63	1.60	ppb
Tin	118-1	502.90	502.54	503.12	502.85	0.06	ppb
Titanium	47-1	5154.87	5191.37	5258.97	5201.74	1.02	ppb
Uranium	238-1	523.96	528.80	543.07	531.94	1.87	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV01 Instrumnet Name : P8
Client Sample ID : CCV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:51:26 DataFile Name : 020CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	541.06	528.92	533.71	534.57	1.14	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				94		%
Yttrium	89-2				94		%
Zinc	66-2	5197.21	5227.23	5117.63	5180.69	1.09	ppb
Zirconium	90-1	510.51	513.80	520.41	514.91	0.98	ppb
Zirconium	91-1	508.81	522.21	520.80	517.27	1.42	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB01 Instrumnet Name : P8
Client Sample ID : CCB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:57:37 DataFile Name : 021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.03	0.30	0.45	0.24	104.11	ppb
Antimony	121-1	0.05	0.04	0.04	0.04	8.35	ppb
Arsenic	75-2	-0.01	-0.01	0.01	0.00		ppb
Barium	135-1	0.02	0.02	0.02	0.02	5.46	ppb
Barium	137-1	0.02	0.01	0.01	0.01	43.11	ppb
Beryllium	9-1	0.04	0.05	0.04	0.04	10.34	ppb
Bismuth	209-1				103		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	-0.01	0.00	-0.01	-0.01		ppb
Cadmium	106-1	-0.01	-0.58	-0.70	-0.43		ppb
Cadmium	111-1	0.01	-0.04	-0.05	-0.03		ppb
Calcium	43-1	1.64	-1.00	0.19	0.28	480.58	ppb
Calcium	44-1	1.17	0.27	0.61	0.69	66.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	-0.01	-0.01	-0.01		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	300.88	ppb
Copper	63-2	0.05	0.03	0.05	0.04	27.63	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				104		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	54-2	-0.98	-0.78	-0.73	-0.83		ppb
Iron	56-2	1.14	1.12	1.20	1.15	3.60	ppb
Iron	57-2	1.24	1.13	1.10	1.16	6.16	ppb
Krypton	83-1						cps
Lead	206-1	0.08	0.08	0.07	0.08	5.78	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB01 Instrumnet Name : P8
Client Sample ID : CCB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:57:37 DataFile Name : 021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.08	0.08	0.08	0.08	2.57	ppb
Lead	208-1	0.08	0.08	0.07	0.08	6.70	ppb
Lithium	6-1				105		%
Magnesium	24-2	1.58	1.29	1.37	1.41	10.76	ppb
Manganese	55-2	-0.05	-0.08	-0.04	-0.06		ppb
Molybdenum	94-1	0.13	0.09	0.11	0.11	15.20	ppb
Molybdenum	95-1	0.06	0.05	0.05	0.06	9.69	ppb
Molybdenum	96-1	0.07	0.06	0.04	0.06	25.60	ppb
Molybdenum	97-1	0.06	0.05	0.05	0.05	15.48	ppb
Molybdenum	98-1	0.06	0.05	0.05	0.06	7.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	-0.02	0.00	-0.01	-0.01		ppb
Phosphorus	31-2	-117.02	-110.18	-121.00	-116.07		ppb
Potassium	39-2	20.00	18.26	15.79	18.02	11.72	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	82-1	0.10	0.08	-0.15	0.01	1028.12	ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.48	0.15	0.16	-0.05		ppb
Silicon	28-1	-0.39	-0.34	-0.32	-0.35		ppb
Silver	107-1	0.20	0.02	0.02	0.08	131.69	ppb
Silver	109-1	0.02	0.02	0.02	0.02	18.65	ppb
Sodium	23-2	30.87	29.18	31.68	30.58	4.17	ppb
Strontium	86-1	-0.06	-0.12	-0.22	-0.13		ppb
Strontium	88-1	0.08	0.08	0.05	0.07	20.74	ppb
Sulfur	34-1	-490.49	-667.27	-586.49	-581.41		ppb
Terbium	159-1				103		%
Terbium	159-2				99		%
Thallium	203-1	0.02	0.02	0.02	0.02	6.13	ppb
Thallium	205-1	0.02	0.02	0.02	0.02	2.79	ppb
Tin	118-1	0.02	0.01	-0.01	0.01	194.91	ppb
Titanium	47-1	0.05	0.04	0.05	0.05	7.39	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	20.44	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB01 Instrumnet Name : P8
Client Sample ID : CCB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:57:37 DataFile Name : 021CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				101		%
Zinc	66-2	0.02	0.03	-0.04	0.00	1123.15	ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	16.62	ppb
Zirconium	91-1	0.03	0.03	0.03	0.03	6.39	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CRI Instrumnet Name : P8
Client Sample ID : CRI Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:00:57 DataFile Name : 022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	19.07	19.97	20.40	19.82	3.42	ppb
Antimony	121-1	1.93	1.94	1.92	1.93	0.56	ppb
Arsenic	75-2	0.94	0.91	0.99	0.95	4.04	ppb
Barium	135-1	9.39	9.25	9.45	9.37	1.13	ppb
Barium	137-1	9.45	9.36	9.53	9.45	0.89	ppb
Beryllium	9-1	1.16	1.12	1.11	1.13	2.24	ppb
Bismuth	209-1				103		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	0.93	1.06	0.88	0.96	9.92	ppb
Cadmium	106-1	0.23	0.18	0.23	0.21	14.69	ppb
Cadmium	111-1	0.84	0.79	0.85	0.83	3.77	ppb
Calcium	43-1	466.93	471.72	485.35	474.66	2.01	ppb
Calcium	44-1	470.39	477.48	478.21	475.36	0.91	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	1.98	1.97	2.14	2.03	4.66	ppb
Cobalt	59-2	1.07	1.03	1.13	1.08	4.46	ppb
Copper	63-2	2.19	2.06	2.21	2.16	3.78	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				102		%
Indium	115-2				101		%
Iron	54-2	52.54	49.21	53.04	51.60	4.03	ppb
Iron	56-2	50.66	50.39	54.73	51.93	4.68	ppb
Iron	57-2	52.88	50.18	50.10	51.05	3.09	ppb
Krypton	83-1						cps
Lead	206-1	0.83	0.82	0.83	0.83	0.27	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CRI Instrumnet Name : P8
Client Sample ID : CRI Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:00:57 DataFile Name : 022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.83	0.84	0.83	0.83	0.90	ppb
Lead	208-1	0.84	0.82	0.82	0.83	1.10	ppb
Lithium	6-1				103		%
Magnesium	24-2	521.38	515.97	538.87	525.41	2.28	ppb
Manganese	55-2	0.97	0.97	1.20	1.05	12.74	ppb
Molybdenum	94-1	5.70	5.82	5.77	5.76	1.10	ppb
Molybdenum	95-1	4.63	4.68	4.64	4.65	0.59	ppb
Molybdenum	96-1	4.71	4.80	4.64	4.72	1.62	ppb
Molybdenum	97-1	4.64	4.61	4.62	4.63	0.31	ppb
Molybdenum	98-1	4.67	4.65	4.62	4.65	0.63	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.93	0.90	1.01	0.95	5.69	ppb
Phosphorus	31-2	144.57	121.08	160.96	142.20	14.09	ppb
Potassium	39-2	487.26	488.76	530.57	502.20	4.90	ppb
Rhodium	103-1				101		%
Rhodium	103-2				101		%
Scandium	45-1				103		%
Scandium	45-2				100		%
Selenium	82-1	5.05	4.61	4.86	4.84	4.60	ppb
Selenium	77-2	6.50	8.07	4.33	6.30	29.80	ppb
Selenium	78-2	3.27	5.12	6.05	4.81	29.48	ppb
Silicon	28-1	0.07	0.06	-0.34	-0.07		ppb
Silver	107-1	1.06	1.04	1.05	1.05	0.96	ppb
Silver	109-1	1.05	1.07	1.05	1.05	0.98	ppb
Sodium	23-2	515.00	505.10	542.77	520.96	3.75	ppb
Strontium	86-1	22.98	23.72	23.89	23.53	2.07	ppb
Strontium	88-1	23.38	23.71	23.85	23.64	1.02	ppb
Sulfur	34-1	-410.88	-442.59	-361.58	-405.02		ppb
Terbium	159-1				104		%
Terbium	159-2				99		%
Thallium	203-1	0.92	0.93	0.92	0.92	0.59	ppb
Thallium	205-1	0.93	0.93	0.94	0.93	0.64	ppb
Tin	118-1	4.79	4.80	4.77	4.79	0.31	ppb
Titanium	47-1	5.10	5.14	5.23	5.16	1.23	ppb
Uranium	238-1	0.86	0.87	0.89	0.88	1.71	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CRI Instrumnet Name : P8
Client Sample ID : CRI Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:00:57 DataFile Name : 022LLCC.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	4.94	4.92	5.20	5.02	3.14	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				101		%
Zinc	66-2	5.22	5.07	5.46	5.25	3.84	ppb
Zirconium	90-1	1.00	1.02	1.01	1.01	0.98	ppb
Zirconium	91-1	1.01	1.01	1.03	1.02	0.90	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960BL Instrumnet Name : P8
Client Sample ID : PB167960BL Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:31:03 DataFile Name : 023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.24	0.27	0.57	0.36	51.56	ppb
Antimony	121-1	0.01	0.01	0.00	0.01	37.13	ppb
Arsenic	75-2	0.00	-0.01	0.01	0.00		ppb
Barium	135-1	0.00	0.00	0.00	0.00	241.42	ppb
Barium	137-1	-0.01	0.00	0.00	0.00		ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	109.22	ppb
Bismuth	209-1				102		%
Bismuth	209-2				101		%
Bromine	81-1						cps
Cadmium	108-1	-0.02	-0.05	0.04	-0.01		ppb
Cadmium	106-1	-0.63	-1.17	-1.17	-0.99		ppb
Cadmium	111-1	-0.05	-0.09	-0.09	-0.08		ppb
Calcium	43-1	-1.49	-2.26	-1.00	-1.58		ppb
Calcium	44-1	0.01	-0.12	-0.87	-0.33		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.02	-0.03	-0.02		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	-0.05	-0.02	-0.05	-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				104		%
Holmium	165-2				103		%
Indium	115-1				101		%
Indium	115-2				103		%
Iron	54-2	-1.67	-1.70	-1.42	-1.60		ppb
Iron	56-2	0.09	0.80	0.17	0.35	110.47	ppb
Iron	57-2	-0.03	0.17	0.13	0.09	123.82	ppb
Krypton	83-1						cps
Lead	206-1	0.01	0.01	0.01	0.01	28.09	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960BL Instrumnet Name : P8
Client Sample ID : PB167960BL Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:31:03 DataFile Name : 023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.01	0.01	0.01	0.01	35.48	ppb
Lead	208-1	0.01	0.01	0.01	0.01	19.48	ppb
Lithium	6-1				102		%
Magnesium	24-2	0.05	0.15	0.55	0.25	105.42	ppb
Manganese	55-2	0.00	-0.06	-0.04	-0.03		ppb
Molybdenum	94-1	0.02	0.02	0.02	0.02	7.42	ppb
Molybdenum	95-1	0.01	0.00	0.00	0.00	148.06	ppb
Molybdenum	96-1	0.00	0.00	0.00	0.00	681.35	ppb
Molybdenum	97-1	0.00	0.00	0.01	0.00	107.69	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	0.00	-0.02	0.00		ppb
Phosphorus	31-2	-110.42	-117.22	-112.37	-113.34		ppb
Potassium	39-2	9.26	6.68	6.56	7.50	20.31	ppb
Rhodium	103-1				102		%
Rhodium	103-2				105		%
Scandium	45-1				102		%
Scandium	45-2				103		%
Selenium	82-1	-0.06	0.00	0.05	0.00		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	0.08	0.71	-0.33	0.15	340.49	ppb
Silicon	28-1	-0.33	-0.36	-0.24	-0.31		ppb
Silver	107-1	0.00	0.00	0.00	0.00	68.59	ppb
Silver	109-1	0.00	0.00	0.00	0.00	20.44	ppb
Sodium	23-2	12.94	12.19	11.34	12.16	6.61	ppb
Strontium	86-1	-0.45	-0.12	-0.25	-0.28		ppb
Strontium	88-1	0.00	-0.01	0.03	0.00	477.51	ppb
Sulfur	34-1	-196.51	-284.26	-332.94	-271.24		ppb
Terbium	159-1				102		%
Terbium	159-2				102		%
Thallium	203-1	0.00	0.00	0.00	0.00	92.52	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	55.76	ppb
Tin	118-1	0.00	0.00	0.00	0.00	89.88	ppb
Titanium	47-1	0.01	0.01	0.02	0.01	4.07	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960BL Instrumnet Name : P8
Client Sample ID : PB167960BL Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:31:03 DataFile Name : 023CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	-0.01	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				105		%
Zinc	66-2	-0.04	0.02	0.02	0.00		ppb
Zirconium	90-1	0.01	0.00	0.01	0.01	55.10	ppb
Zirconium	91-1	0.01	0.01	0.00	0.01	45.81	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960BS Instrumnet Name : P8
Client Sample ID : PB167960BS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:34:24 DataFile Name : 024LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10362.48	10291.19	10150.32	10268.00	1.05	ppb
Antimony	121-1	518.13	510.31	520.36	516.27	1.02	ppb
Arsenic	75-2	523.46	511.30	509.02	514.59	1.51	ppb
Barium	135-1	2570.72	2541.10	2585.69	2565.84	0.88	ppb
Barium	137-1	2605.92	2553.28	2588.07	2582.43	1.04	ppb
Beryllium	9-1	516.55	520.52	516.08	517.72	0.47	ppb
Bismuth	209-1				97		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	519.65	522.39	517.88	519.97	0.44	ppb
Cadmium	106-1	519.71	516.56	522.27	519.51	0.55	ppb
Cadmium	111-1	526.35	529.29	528.57	528.07	0.29	ppb
Calcium	43-1	49468.56	50015.88	50578.32	50020.92	1.11	ppb
Calcium	44-1	49849.84	49825.26	50581.14	50085.42	0.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	524.77	522.28	524.53	523.86	0.26	ppb
Cobalt	59-2	518.93	524.70	528.24	523.96	0.90	ppb
Copper	63-2	5321.31	5253.02	5128.69	5234.34	1.87	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				95		%
Indium	115-2				92		%
Iron	54-2	27204.36	26110.11	25981.16	26431.88	2.54	ppb
Iron	56-2	25777.74	25681.41	25518.37	25659.17	0.51	ppb
Iron	57-2	26583.59	26467.64	25790.98	26280.74	1.63	ppb
Krypton	83-1						cps
Lead	206-1	2470.73	2521.90	2519.54	2504.06	1.15	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960BS Instrumnet Name : P8
Client Sample ID : PB167960BS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:34:24 DataFile Name : 024LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2472.39	2508.13	2519.81	2500.11	0.99	ppb
Lead	208-1	2470.09	2503.46	2521.88	2498.47	1.05	ppb
Lithium	6-1				99		%
Magnesium	24-2	52084.99	51940.96	51760.96	51928.97	0.31	ppb
Manganese	55-2	5294.89	5186.49	5152.97	5211.45	1.42	ppb
Molybdenum	94-1	4951.56	5155.82	5065.68	5057.69	2.02	ppb
Molybdenum	95-1	4988.01	5151.70	5103.18	5080.96	1.65	ppb
Molybdenum	96-1	4952.11	5048.22	5116.94	5039.09	1.64	ppb
Molybdenum	97-1	4900.02	4976.18	5053.31	4976.51	1.54	ppb
Molybdenum	98-1	4973.41	5065.82	5099.90	5046.38	1.30	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	493.00	496.50	494.39	494.63	0.36	ppb
Phosphorus	31-2	10412.63	10600.41	10181.73	10398.26	2.02	ppb
Potassium	39-2	26036.27	25892.56	26116.57	26015.13	0.44	ppb
Rhodium	103-1				93		%
Rhodium	103-2				92		%
Scandium	45-1				98		%
Scandium	45-2				98		%
Selenium	82-1	499.84	510.80	505.77	505.47	1.09	ppb
Selenium	77-2	480.38	507.06	529.04	505.49	4.82	ppb
Selenium	78-2	512.17	511.37	506.05	509.87	0.65	ppb
Silicon	28-1	544.86	507.88	523.26	525.34	3.54	ppb
Silver	107-1	526.13	521.62	518.48	522.08	0.74	ppb
Silver	109-1	521.67	529.70	524.73	525.37	0.77	ppb
Sodium	23-2	51541.37	51009.80	51266.83	51272.67	0.52	ppb
Strontium	86-1	12548.79	12748.41	12625.60	12640.94	0.80	ppb
Strontium	88-1	12580.03	12564.50	12697.50	12614.01	0.58	ppb
Sulfur	34-1	11283.82	9956.16	10091.03	10443.67	7.00	ppb
Terbium	159-1				100		%
Terbium	159-2				97		%
Thallium	203-1	493.79	505.99	508.08	502.62	1.54	ppb
Thallium	205-1	489.02	508.27	502.10	499.80	1.97	ppb
Tin	118-1	516.62	504.63	507.54	509.60	1.23	ppb
Titanium	47-1	5145.55	5114.41	5100.36	5120.11	0.45	ppb
Uranium	238-1	484.94	485.81	499.19	489.98	1.63	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960BS Instrumnet Name : P8
Client Sample ID : PB167960BS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:34:24 DataFile Name : 024LCS6.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	518.68	513.75	515.69	516.04	0.48	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				96		%
Zinc	66-2	5368.99	5299.42	5235.40	5301.27	1.26	ppb
Zirconium	90-1	495.12	516.81	510.50	507.48	2.20	ppb
Zirconium	91-1	501.79	510.25	510.82	507.62	1.00	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960TB Instrumnet Name : P8
Client Sample ID : PB167960TB Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:37:08 DataFile Name : 025CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.52	0.70	1.28	0.83	47.42	ppb
Antimony	121-1	0.11	0.10	0.09	0.10	12.74	ppb
Arsenic	75-2	0.00	0.01	0.01	0.01	103.09	ppb
Barium	135-1	0.06	0.04	0.04	0.05	15.36	ppb
Barium	137-1	0.06	0.04	0.03	0.05	36.04	ppb
Beryllium	9-1	0.07	0.05	0.06	0.06	9.32	ppb
Bismuth	209-1				104		%
Bismuth	209-2				100		%
Bromine	81-1						cps
Cadmium	108-1	0.01	0.00	-0.01	0.00	26001.04	ppb
Cadmium	106-1	-0.68	-0.87	-0.50	-0.68		ppb
Cadmium	111-1	-0.04	-0.05	-0.03	-0.04		ppb
Calcium	43-1	1.39	0.49	0.10	0.66	100.36	ppb
Calcium	44-1	0.48	-0.65	0.15	-0.01		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	-0.01	0.00	0.00	0.00		ppb
Cobalt	59-2	0.00	0.01	0.00	0.01	26.44	ppb
Copper	63-2	0.06	0.05	0.06	0.05	10.50	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				105		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				100		%
Iron	54-2	-1.74	-1.48	-1.38	-1.54		ppb
Iron	56-2	0.55	0.52	0.56	0.54	3.92	ppb
Iron	57-2	0.22	0.11	0.29	0.21	44.10	ppb
Krypton	83-1						cps
Lead	206-1	0.13	0.11	0.10	0.11	12.89	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960TB Instrumnet Name : P8
Client Sample ID : PB167960TB Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:37:08 DataFile Name : 025CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.13	0.13	0.10	0.12	16.59	ppb
Lead	208-1	0.13	0.12	0.10	0.12	13.86	ppb
Lithium	6-1				103		%
Magnesium	24-2	1.17	0.89	1.08	1.05	13.59	ppb
Manganese	55-2	-0.24	-0.25	-0.29	-0.26		ppb
Molybdenum	94-1	0.25	0.19	0.18	0.21	17.33	ppb
Molybdenum	95-1	0.22	0.16	0.13	0.17	25.69	ppb
Molybdenum	96-1	0.21	0.17	0.14	0.17	19.71	ppb
Molybdenum	97-1	0.21	0.14	0.13	0.16	27.00	ppb
Molybdenum	98-1	0.20	0.15	0.13	0.16	21.24	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.02	0.02	0.01	44.15	ppb
Phosphorus	31-2	-117.14	-111.51	-120.15	-116.27		ppb
Potassium	39-2	6.76	9.49	7.24	7.83	18.62	ppb
Rhodium	103-1				100		%
Rhodium	103-2				102		%
Scandium	45-1				101		%
Scandium	45-2				101		%
Selenium	82-1	-0.06	0.01	0.15	0.03	301.18	ppb
Selenium	77-2	0.00	0.00	0.51	0.17	173.21	ppb
Selenium	78-2	0.30	-0.02	0.45	0.24	98.56	ppb
Silicon	28-1	-0.23	-0.11	-0.01	-0.12		ppb
Silver	107-1	0.05	0.04	0.03	0.04	19.51	ppb
Silver	109-1	0.05	0.04	0.04	0.04	17.61	ppb
Sodium	23-2	20.50	20.49	20.82	20.60	0.91	ppb
Strontium	86-1	0.33	0.15	-0.02	0.16	111.24	ppb
Strontium	88-1	0.36	0.26	0.25	0.29	20.00	ppb
Sulfur	34-1	-683.55	-842.04	-745.71	-757.10		ppb
Terbium	159-1				103		%
Terbium	159-2				100		%
Thallium	203-1	0.02	0.02	0.02	0.02	11.56	ppb
Thallium	205-1	0.03	0.02	0.02	0.02	18.01	ppb
Tin	118-1	0.02	0.02	0.02	0.02	7.14	ppb
Titanium	47-1	0.16	0.12	0.09	0.12	29.30	ppb
Uranium	238-1	0.01	0.01	0.01	0.01	43.48	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960TB Instrumnet Name : P8
Client Sample ID : PB167960TB Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:37:08 DataFile Name : 025CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00	24.20	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				103		%
Yttrium	89-2				102		%
Zinc	66-2	0.31	0.38	0.21	0.30	29.65	ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	8.47	ppb
Zirconium	91-1	0.04	0.04	0.03	0.04	16.78	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-02DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-33-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:40:29 DataFile Name : 026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2620.28	2562.19	2586.85	2589.77	1.13	ppb
Antimony	121-1	0.05	0.05	0.04	0.05	2.01	ppb
Arsenic	75-2	0.54	0.49	0.51	0.51	5.37	ppb
Barium	135-1	18.63	18.36	19.18	18.72	2.24	ppb
Barium	137-1	18.48	18.39	19.16	18.68	2.26	ppb
Beryllium	9-1	0.15	0.15	0.16	0.15	1.88	ppb
Bismuth	209-1				103		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	0.12	0.04	0.02	0.06	85.44	ppb
Cadmium	106-1	0.34	-0.09	-0.48	-0.08		ppb
Cadmium	111-1	0.07	0.03	0.00	0.03	103.49	ppb
Calcium	43-1	41181.72	42052.37	41449.99	41561.36	1.07	ppb
Calcium	44-1	41218.65	40980.06	41655.89	41284.87	0.83	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.60	0.59	0.57	0.59	2.16	ppb
Cobalt	59-2	16.45	16.42	16.37	16.41	0.25	ppb
Copper	63-2	3.17	3.10	3.06	3.11	1.71	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				107		%
Holmium	165-2				103		%
Indium	115-1				100		%
Indium	115-2				97		%
Iron	54-2	42537.45	41528.06	42324.61	42130.04	1.26	ppb
Iron	56-2	41686.35	42489.59	42231.46	42135.80	0.97	ppb
Iron	57-2	43019.11	42298.92	42467.21	42595.08	0.88	ppb
Krypton	83-1						cps
Lead	206-1	0.09	0.08	0.08	0.08	8.87	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-02DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-33-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:40:29 DataFile Name : 026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.10	0.08	0.08	0.09	11.39	ppb
Lead	208-1	0.09	0.08	0.08	0.09	7.32	ppb
Lithium	6-1				102		%
Magnesium	24-2	12361.96	12093.94	12313.03	12256.31	1.16	ppb
Manganese	55-2	837.88	836.13	856.24	843.42	1.32	ppb
Molybdenum	94-1	0.13	0.14	0.12	0.13	8.60	ppb
Molybdenum	95-1	0.09	0.08	0.08	0.08	5.84	ppb
Molybdenum	96-1	0.25	0.26	0.23	0.25	5.34	ppb
Molybdenum	97-1	0.08	0.07	0.06	0.07	13.29	ppb
Molybdenum	98-1	0.08	0.06	0.06	0.07	10.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	16.41	16.20	15.99	16.20	1.32	ppb
Phosphorus	31-2	-103.28	-106.23	-96.76	-102.09		ppb
Potassium	39-2	401.36	396.72	398.87	398.98	0.58	ppb
Rhodium	103-1				99		%
Rhodium	103-2				98		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	82-1	0.33	0.30	0.13	0.25	43.10	ppb
Selenium	77-2	13.13	12.72	11.42	12.42	7.15	ppb
Selenium	78-2	4.67	3.03	2.64	3.45	31.24	ppb
Silicon	28-1	531.72	535.25	530.74	532.57	0.45	ppb
Silver	107-1	0.02	0.02	0.01	0.02	4.61	ppb
Silver	109-1	0.02	0.01	0.01	0.01	23.17	ppb
Sodium	23-2	11136.67	10687.98	11052.47	10959.04	2.18	ppb
Strontium	86-1	2133.66	2163.91	2167.22	2154.93	0.86	ppb
Strontium	88-1	2230.52	2243.53	2227.95	2234.00	0.37	ppb
Sulfur	34-1	61847.89	62489.89	62131.70	62156.50	0.52	ppb
Terbium	159-1				103		%
Terbium	159-2				100		%
Thallium	203-1	0.01	0.01	0.01	0.01	15.24	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	13.44	ppb
Tin	118-1	0.00	0.01	0.01	0.01	61.04	ppb
Titanium	47-1	0.51	0.49	0.45	0.48	6.15	ppb
Uranium	238-1	0.54	0.52	0.53	0.53	1.65	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-02DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-33-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:40:29 DataFile Name : 026AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	54.25	53.87	53.75	53.96	0.48	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				109		%
Yttrium	89-2				105		%
Zinc	66-2	109.83	108.26	109.43	109.17	0.74	ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	5.77	ppb
Zirconium	91-1	0.03	0.04	0.04	0.04	11.19	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-04DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-34-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:43:43 DataFile Name : 027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	2012.70	1938.81	1939.26	1963.59	2.17	ppb
Antimony	121-1	0.02	0.02	0.02	0.02	5.03	ppb
Arsenic	75-2	0.33	0.46	0.36	0.38	18.48	ppb
Barium	135-1	19.69	19.93	19.89	19.83	0.63	ppb
Barium	137-1	20.09	20.36	19.82	20.09	1.33	ppb
Beryllium	9-1	0.13	0.13	0.13	0.13	2.44	ppb
Bismuth	209-1				100		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	0.10	0.06	-0.03	0.05	145.91	ppb
Cadmium	106-1	-0.42	-0.54	-1.26	-0.74		ppb
Cadmium	111-1	0.02	0.01	-0.06	-0.01		ppb
Calcium	43-1	51090.20	53667.72	53228.65	52662.19	2.62	ppb
Calcium	44-1	51534.75	53120.87	53320.93	52658.85	1.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.48	0.45	0.51	0.48	6.42	ppb
Cobalt	59-2	16.84	16.65	16.75	16.75	0.57	ppb
Copper	63-2	3.37	3.23	3.23	3.28	2.39	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				98		%
Indium	115-2				97		%
Iron	54-2	40242.22	40035.49	39969.90	40082.53	0.35	ppb
Iron	56-2	40720.38	39908.46	39873.99	40167.61	1.19	ppb
Iron	57-2	40280.86	39939.72	40595.47	40272.02	0.81	ppb
Krypton	83-1						cps
Lead	206-1	0.07	0.08	0.07	0.07	3.72	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-04DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-34-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:43:43 DataFile Name : 027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.08	0.08	0.07	0.07	8.39	ppb
Lead	208-1	0.07	0.07	0.07	0.07	1.79	ppb
Lithium	6-1				102		%
Magnesium	24-2	11986.67	11526.75	11316.49	11609.97	2.95	ppb
Manganese	55-2	1152.79	1117.34	1147.72	1139.28	1.68	ppb
Molybdenum	94-1	0.11	0.11	0.12	0.11	7.13	ppb
Molybdenum	95-1	0.06	0.08	0.07	0.07	11.45	ppb
Molybdenum	96-1	0.23	0.21	0.23	0.22	4.74	ppb
Molybdenum	97-1	0.06	0.06	0.06	0.06	4.45	ppb
Molybdenum	98-1	0.06	0.06	0.05	0.06	10.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	15.44	14.84	15.26	15.18	2.00	ppb
Phosphorus	31-2	-105.40	-109.24	-101.18	-105.28		ppb
Potassium	39-2	411.88	403.56	408.81	408.08	1.03	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	0.21	0.36	0.20	0.26	34.48	ppb
Selenium	77-2	9.56	11.08	15.32	11.99	24.93	ppb
Selenium	78-2	3.14	3.90	3.20	3.42	12.38	ppb
Silicon	28-1	510.55	535.29	520.98	522.28	2.38	ppb
Silver	107-1	0.01	0.01	0.01	0.01	14.14	ppb
Silver	109-1	0.01	0.01	0.01	0.01	5.59	ppb
Sodium	23-2	11992.50	11677.40	11656.85	11775.58	1.60	ppb
Strontium	86-1	2464.59	2537.70	2513.45	2505.25	1.49	ppb
Strontium	88-1	2546.23	2613.54	2587.62	2582.46	1.31	ppb
Sulfur	34-1	65470.62	67729.62	67002.98	66734.41	1.73	ppb
Terbium	159-1				101		%
Terbium	159-2				98		%
Thallium	203-1	0.01	0.01	0.01	0.01	14.25	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	13.09	ppb
Tin	118-1	0.06	0.05	0.05	0.05	12.60	ppb
Titanium	47-1	0.44	0.43	0.40	0.42	5.32	ppb
Uranium	238-1	0.50	0.49	0.50	0.50	0.65	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-04DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-34-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:43:43 DataFile Name : 027AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	37.04	36.48	36.83	36.78	0.77	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				103		%
Zinc	66-2	108.91	107.41	109.59	108.64	1.03	ppb
Zirconium	90-1	0.02	0.03	0.03	0.02	16.39	ppb
Zirconium	91-1	0.03	0.03	0.03	0.03	7.24	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-06DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-35-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:46:54 DataFile Name : 028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	1822.22	1815.48	1803.38	1813.69	0.53	ppb
Antimony	121-1	0.01	0.01	0.01	0.01	6.09	ppb
Arsenic	75-2	0.41	0.39	0.29	0.36	18.38	ppb
Barium	135-1	19.55	19.76	19.42	19.58	0.88	ppb
Barium	137-1	19.86	19.93	19.93	19.91	0.22	ppb
Beryllium	9-1	0.14	0.14	0.13	0.14	2.08	ppb
Bismuth	209-1				100		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	0.04	0.02	0.04	0.03	23.67	ppb
Cadmium	106-1	-0.08	-0.72	-1.49	-0.76		ppb
Cadmium	111-1	0.04	0.00	-0.07	-0.01		ppb
Calcium	43-1	49894.82	50213.88	48737.00	49615.24	1.57	ppb
Calcium	44-1	49477.45	50441.22	48927.25	49615.30	1.54	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.47	0.43	0.47	0.46	4.45	ppb
Cobalt	59-2	19.06	19.09	19.05	19.07	0.11	ppb
Copper	63-2	3.44	3.46	3.45	3.45	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				104		%
Holmium	165-2				99		%
Indium	115-1				98		%
Indium	115-2				96		%
Iron	54-2	39946.39	39562.34	38988.42	39499.05	1.22	ppb
Iron	56-2	39672.00	39760.56	38587.94	39340.17	1.66	ppb
Iron	57-2	40350.59	39624.31	39788.97	39921.29	0.95	ppb
Krypton	83-1						cps
Lead	206-1	0.07	0.07	0.07	0.07	3.93	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-06DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-35-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:46:54 DataFile Name : 028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.07	0.08	0.07	0.07	11.21	ppb
Lead	208-1	0.07	0.07	0.07	0.07	1.25	ppb
Lithium	6-1				101		%
Magnesium	24-2	11995.81	11838.38	11898.43	11910.87	0.67	ppb
Manganese	55-2	1184.13	1195.17	1156.59	1178.63	1.69	ppb
Molybdenum	94-1	0.11	0.10	0.11	0.11	2.98	ppb
Molybdenum	95-1	0.06	0.05	0.05	0.06	7.19	ppb
Molybdenum	96-1	0.21	0.20	0.22	0.21	3.04	ppb
Molybdenum	97-1	0.05	0.05	0.05	0.05	1.66	ppb
Molybdenum	98-1	0.04	0.04	0.04	0.04	6.41	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	15.54	15.43	15.60	15.52	0.57	ppb
Phosphorus	31-2	-117.99	-111.00	-102.90	-110.63		ppb
Potassium	39-2	449.08	459.27	456.61	454.98	1.16	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	0.25	0.43	0.25	0.31	33.19	ppb
Selenium	77-2	8.51	9.60	7.70	8.60	11.12	ppb
Selenium	78-2	1.62	2.86	3.22	2.57	32.77	ppb
Silicon	28-1	571.40	564.01	578.57	571.33	1.27	ppb
Silver	107-1	0.01	0.01	0.01	0.01	17.77	ppb
Silver	109-1	0.01	0.01	0.01	0.01	8.58	ppb
Sodium	23-2	12958.55	12953.34	12860.79	12924.23	0.43	ppb
Strontium	86-1	2549.55	2594.80	2636.72	2593.69	1.68	ppb
Strontium	88-1	2651.48	2714.18	2710.04	2691.90	1.30	ppb
Sulfur	34-1	66941.41	64000.03	64876.55	65272.67	2.31	ppb
Terbium	159-1				101		%
Terbium	159-2				98		%
Thallium	203-1	0.01	0.01	0.01	0.01	8.21	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	9.57	ppb
Tin	118-1	0.09	0.09	0.10	0.10	2.90	ppb
Titanium	47-1	0.49	0.46	0.47	0.47	3.48	ppb
Uranium	238-1	0.38	0.39	0.39	0.39	1.92	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-06DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-35-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:46:54 DataFile Name : 028AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	27.18	27.30	26.85	27.11	0.86	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				106		%
Yttrium	89-2				103		%
Zinc	66-2	106.73	106.56	106.07	106.45	0.32	ppb
Zirconium	90-1	0.02	0.03	0.03	0.02	13.49	ppb
Zirconium	91-1	0.03	0.03	0.03	0.03	1.51	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-08DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-24-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:50:10 DataFile Name : 029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	12814.32	12845.84	12890.16	12850.10	0.30	ppb
Antimony	121-1	0.04	0.04	0.04	0.04	4.69	ppb
Arsenic	75-2	5.32	4.83	5.03	5.06	4.90	ppb
Barium	135-1	23.72	23.88	23.70	23.77	0.42	ppb
Barium	137-1	23.56	24.46	24.14	24.05	1.89	ppb
Beryllium	9-1	2.42	2.53	2.46	2.47	2.31	ppb
Bismuth	209-1				102		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	1.68	1.71	1.58	1.66	4.01	ppb
Cadmium	106-1	1.43	1.77	1.59	1.60	10.74	ppb
Cadmium	111-1	1.83	1.90	1.88	1.87	1.92	ppb
Calcium	43-1	49500.96	51507.60	50512.68	50507.08	1.99	ppb
Calcium	44-1	49248.58	50326.04	50920.12	50164.91	1.69	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	7.41	7.48	7.44	7.45	0.48	ppb
Cobalt	59-2	50.19	50.69	50.68	50.52	0.56	ppb
Copper	63-2	33.88	34.27	34.56	34.24	0.99	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				99		%
Indium	115-1				98		%
Indium	115-2				94		%
Iron	54-2	3505.48	3534.16	3529.98	3523.21	0.44	ppb
Iron	56-2	3559.67	3563.53	3585.36	3569.52	0.39	ppb
Iron	57-2	3461.19	3482.68	3497.98	3480.62	0.53	ppb
Krypton	83-1						cps
Lead	206-1	6.26	6.43	6.43	6.37	1.53	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-08DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-24-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:50:10 DataFile Name : 029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	6.10	6.25	6.21	6.19	1.22	ppb
Lead	208-1	6.19	6.30	6.30	6.26	1.02	ppb
Lithium	6-1				100		%
Magnesium	24-2	8799.38	8874.83	8938.31	8870.84	0.78	ppb
Manganese	55-2	3742.28	3750.31	3766.74	3753.11	0.33	ppb
Molybdenum	94-1	0.33	0.36	0.30	0.33	8.00	ppb
Molybdenum	95-1	0.06	0.07	0.07	0.07	5.30	ppb
Molybdenum	96-1	0.07	0.06	0.07	0.07	9.38	ppb
Molybdenum	97-1	0.02	0.03	0.02	0.03	15.00	ppb
Molybdenum	98-1	0.03	0.03	0.03	0.03	2.28	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	40.42	40.72	40.89	40.68	0.59	ppb
Phosphorus	31-2	664.40	675.54	667.23	669.06	0.87	ppb
Potassium	39-2	11003.19	10925.03	10830.06	10919.43	0.79	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				99		%
Scandium	45-2				98		%
Selenium	82-1	0.60	0.64	0.58	0.60	4.78	ppb
Selenium	77-2	32.12	33.08	34.37	33.19	3.41	ppb
Selenium	78-2	6.66	6.80	6.77	6.74	1.10	ppb
Silicon	28-1	660.83	678.77	684.81	674.80	1.85	ppb
Silver	107-1	0.01	0.02	0.01	0.01	20.08	ppb
Silver	109-1	0.01	0.01	0.01	0.01	6.19	ppb
Sodium	23-2	3121.98	3050.96	3078.36	3083.77	1.16	ppb
Strontium	86-1	3761.19	3828.97	3788.95	3793.04	0.90	ppb
Strontium	88-1	3917.70	3933.69	3946.77	3932.72	0.37	ppb
Sulfur	34-1	65909.48	66185.81	66569.38	66221.56	0.50	ppb
Terbium	159-1				103		%
Terbium	159-2				98		%
Thallium	203-1	0.17	0.16	0.16	0.16	1.79	ppb
Thallium	205-1	0.16	0.17	0.16	0.16	3.38	ppb
Tin	118-1	0.02	0.04	0.02	0.02	52.91	ppb
Titanium	47-1	1.41	1.48	1.43	1.44	2.67	ppb
Uranium	238-1	0.49	0.51	0.52	0.51	2.50	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-08DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-24-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:50:10 DataFile Name : 029AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	12.09	11.94	11.81	11.95	1.18	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				107		%
Zinc	66-2	407.54	409.81	407.30	408.22	0.34	ppb
Zirconium	90-1	0.15	0.16	0.16	0.15	3.80	ppb
Zirconium	91-1	0.15	0.17	0.16	0.16	6.76	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-10DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-25-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:53:24 DataFile Name : 030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7927.78	8105.62	7937.15	7990.18	1.25	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	10.83	ppb
Arsenic	75-2	5.11	5.30	5.35	5.25	2.36	ppb
Barium	135-1	23.48	23.59	23.46	23.51	0.30	ppb
Barium	137-1	23.67	23.57	23.66	23.63	0.22	ppb
Beryllium	9-1	1.75	1.80	1.76	1.77	1.56	ppb
Bismuth	209-1				101		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Cadmium	108-1	1.23	1.23	1.19	1.22	2.03	ppb
Cadmium	106-1	0.78	1.11	0.59	0.83	32.23	ppb
Cadmium	111-1	1.41	1.44	1.37	1.41	2.31	ppb
Calcium	43-1	54076.40	54834.05	55397.26	54769.24	1.21	ppb
Calcium	44-1	55156.78	54542.53	55668.64	55122.65	1.02	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	4.31	4.17	4.36	4.28	2.35	ppb
Cobalt	59-2	32.88	33.51	33.34	33.24	0.98	ppb
Copper	63-2	15.42	15.77	15.66	15.61	1.14	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				99		%
Indium	115-1				98		%
Indium	115-2				94		%
Iron	54-2	3478.27	3505.15	3504.37	3495.93	0.44	ppb
Iron	56-2	3516.64	3540.00	3526.27	3527.63	0.33	ppb
Iron	57-2	3434.90	3461.58	3444.49	3446.99	0.39	ppb
Krypton	83-1						cps
Lead	206-1	4.47	4.34	4.25	4.35	2.57	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-10DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-25-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:53:24 DataFile Name : 030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	4.26	4.15	4.10	4.17	1.92	ppb
Lead	208-1	4.32	4.25	4.18	4.25	1.68	ppb
Lithium	6-1				98		%
Magnesium	24-2	11438.59	11762.01	11550.09	11583.56	1.42	ppb
Manganese	55-2	2745.10	2773.70	2813.20	2777.33	1.23	ppb
Molybdenum	94-1	0.32	0.30	0.30	0.31	5.14	ppb
Molybdenum	95-1	0.05	0.05	0.04	0.05	14.80	ppb
Molybdenum	96-1	0.07	0.07	0.06	0.07	4.94	ppb
Molybdenum	97-1	0.03	0.02	0.02	0.02	12.89	ppb
Molybdenum	98-1	0.02	0.02	0.02	0.02	12.21	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	27.13	27.42	27.25	27.26	0.53	ppb
Phosphorus	31-2	678.80	660.95	685.62	675.12	1.89	ppb
Potassium	39-2	10224.52	10454.27	10206.39	10295.06	1.34	ppb
Rhodium	103-1				96		%
Rhodium	103-2				96		%
Scandium	45-1				99		%
Scandium	45-2				97		%
Selenium	82-1	0.39	0.08	0.35	0.27	63.22	ppb
Selenium	77-2	12.46	15.16	16.10	14.57	12.99	ppb
Selenium	78-2	3.25	3.62	2.39	3.09	20.45	ppb
Silicon	28-1	474.16	479.19	479.00	477.45	0.60	ppb
Silver	107-1	0.01	0.01	0.01	0.01	10.42	ppb
Silver	109-1	0.01	0.01	0.01	0.01	11.97	ppb
Sodium	23-2	2866.14	2925.52	2826.47	2872.71	1.74	ppb
Strontium	86-1	4415.88	4188.89	4363.92	4322.90	2.75	ppb
Strontium	88-1	4427.84	4342.78	4321.62	4364.08	1.29	ppb
Sulfur	34-1	62773.19	63179.88	63648.71	63200.59	0.69	ppb
Terbium	159-1				101		%
Terbium	159-2				98		%
Thallium	203-1	0.13	0.12	0.12	0.13	5.30	ppb
Thallium	205-1	0.12	0.13	0.12	0.12	2.60	ppb
Tin	118-1	0.02	0.01	0.00	0.01	64.72	ppb
Titanium	47-1	1.22	1.27	1.24	1.24	1.78	ppb
Uranium	238-1	0.23	0.22	0.23	0.23	1.54	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-10DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-25-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:53:24 DataFile Name : 030AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	8.68	8.58	8.80	8.69	1.24	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				104		%
Yttrium	89-2				103		%
Zinc	66-2	368.14	373.78	368.12	370.01	0.88	ppb
Zirconium	90-1	0.15	0.15	0.16	0.15	1.91	ppb
Zirconium	91-1	0.15	0.14	0.17	0.15	8.41	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-12DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-26-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:56:35 DataFile Name : 031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	7413.07	7349.78	7468.62	7410.49	0.80	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	2.77	ppb
Arsenic	75-2	3.33	3.17	3.79	3.43	9.38	ppb
Barium	135-1	22.17	22.58	22.08	22.28	1.18	ppb
Barium	137-1	22.45	22.93	22.77	22.72	1.06	ppb
Beryllium	9-1	1.95	1.91	2.02	1.96	2.64	ppb
Bismuth	209-1				102		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	1.55	1.37	1.55	1.49	6.68	ppb
Cadmium	106-1	0.72	0.64	0.78	0.71	9.84	ppb
Cadmium	111-1	1.57	1.63	1.60	1.60	1.82	ppb
Calcium	43-1	52396.27	52304.73	51090.42	51930.47	1.40	ppb
Calcium	44-1	52500.40	51699.53	51096.92	51765.62	1.36	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	3.18	3.10	3.20	3.16	1.73	ppb
Cobalt	59-2	42.96	42.70	42.65	42.77	0.38	ppb
Copper	63-2	15.91	15.79	16.00	15.90	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				104		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	54-2	2086.56	2059.49	2068.87	2071.64	0.66	ppb
Iron	56-2	2085.93	2055.02	2110.84	2083.93	1.34	ppb
Iron	57-2	2019.87	2037.75	2030.03	2029.22	0.44	ppb
Krypton	83-1						cps
Lead	206-1	3.58	3.56	3.70	3.61	2.01	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-12DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-26-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:56:35 DataFile Name : 031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	3.47	3.46	3.54	3.49	1.32	ppb
Lead	208-1	3.51	3.51	3.58	3.53	1.06	ppb
Lithium	6-1				100		%
Magnesium	24-2	9684.00	9597.28	9752.29	9677.85	0.80	ppb
Manganese	55-2	3478.19	3404.07	3485.30	3455.85	1.30	ppb
Molybdenum	94-1	0.25	0.29	0.26	0.27	6.71	ppb
Molybdenum	95-1	0.06	0.06	0.05	0.06	7.44	ppb
Molybdenum	96-1	0.06	0.05	0.05	0.05	10.37	ppb
Molybdenum	97-1	0.02	0.02	0.02	0.02	14.45	ppb
Molybdenum	98-1	0.02	0.02	0.02	0.02	7.61	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	30.05	29.73	29.89	29.89	0.53	ppb
Phosphorus	31-2	211.18	243.96	243.54	232.89	8.08	ppb
Potassium	39-2	11212.19	11461.99	11744.26	11472.81	2.32	ppb
Rhodium	103-1				96		%
Rhodium	103-2				97		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	0.62	0.40	0.51	0.51	21.75	ppb
Selenium	77-2	20.14	12.99	17.21	16.78	21.42	ppb
Selenium	78-2	2.54	4.16	4.08	3.59	25.40	ppb
Silicon	28-1	535.50	541.58	537.37	538.15	0.58	ppb
Silver	107-1	0.01	0.02	0.01	0.01	11.37	ppb
Silver	109-1	0.01	0.01	0.01	0.01	7.77	ppb
Sodium	23-2	3161.86	3205.45	3232.35	3199.89	1.11	ppb
Strontium	86-1	4457.65	4453.55	4519.03	4476.74	0.82	ppb
Strontium	88-1	4372.77	4448.07	4366.48	4395.77	1.03	ppb
Sulfur	34-1	58240.92	58901.24	57523.83	58222.00	1.18	ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	0.14	0.12	0.14	0.14	7.32	ppb
Thallium	205-1	0.14	0.14	0.14	0.14	0.28	ppb
Tin	118-1	0.04	0.04	0.03	0.03	16.03	ppb
Titanium	47-1	1.56	1.55	1.55	1.56	0.47	ppb
Uranium	238-1	0.23	0.23	0.24	0.23	1.50	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-12DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-26-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:56:35 DataFile Name : 031AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	4.91	4.84	5.00	4.92	1.69	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				103		%
Zinc	66-2	483.01	487.96	488.39	486.45	0.61	ppb
Zirconium	90-1	0.12	0.12	0.13	0.12	2.53	ppb
Zirconium	91-1	0.11	0.13	0.13	0.12	7.93	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV02 Instrumnet Name : P8
Client Sample ID : CCV02 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:59:45 DataFile Name : 032CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50999.30	49547.63	50574.01	50373.65	1.48	ppb
Antimony	121-1	505.99	503.93	506.67	505.53	0.28	ppb
Arsenic	75-2	497.57	506.02	495.96	499.85	1.08	ppb
Barium	135-1	2531.44	2553.78	2566.56	2550.59	0.70	ppb
Barium	137-1	2566.76	2552.88	2596.35	2572.00	0.86	ppb
Beryllium	9-1	523.81	531.98	533.14	529.64	0.96	ppb
Bismuth	209-1				88		%
Bismuth	209-2				82		%
Bromine	81-1						cps
Cadmium	108-1	500.64	499.92	506.11	502.22	0.67	ppb
Cadmium	106-1	497.76	502.63	503.30	501.23	0.60	ppb
Cadmium	111-1	508.64	509.22	505.97	507.94	0.34	ppb
Calcium	43-1	242581.27	238495.33	235998.24	239024.95	1.39	ppb
Calcium	44-1	244055.84	239140.51	238298.67	240498.34	1.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	525.10	527.73	516.36	523.06	1.14	ppb
Cobalt	59-2	518.19	515.36	504.36	512.63	1.43	ppb
Copper	63-2	5110.78	5055.14	5072.00	5079.31	0.56	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				98		%
Holmium	165-2				93		%
Indium	115-1				86		%
Indium	115-2				79		%
Iron	54-2	131163.11	131922.46	129163.12	130749.57	1.09	ppb
Iron	56-2	130286.35	129556.11	128904.79	129582.42	0.53	ppb
Iron	57-2	129952.26	131718.22	127575.63	129748.70	1.60	ppb
Krypton	83-1						cps
Lead	206-1	2517.39	2553.31	2650.95	2573.88	2.69	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV02 Instrumnet Name : P8
Client Sample ID : CCV02 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:59:45 DataFile Name : 032CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2555.57	2583.58	2635.25	2591.47	1.56	ppb
Lead	208-1	2549.35	2576.41	2639.03	2588.27	1.78	ppb
Lithium	6-1				89		%
Magnesium	24-2	250525.84	246658.77	248598.43	248594.35	0.78	ppb
Manganese	55-2	5181.55	5175.73	5045.60	5134.30	1.50	ppb
Molybdenum	94-1	5019.88	5143.05	5173.37	5112.10	1.59	ppb
Molybdenum	95-1	5051.79	5158.35	5111.93	5107.36	1.05	ppb
Molybdenum	96-1	5005.85	5066.04	5040.85	5037.58	0.60	ppb
Molybdenum	97-1	4991.14	5052.10	5034.15	5025.80	0.62	ppb
Molybdenum	98-1	5029.97	5055.84	5075.85	5053.89	0.46	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	471.04	472.45	468.68	470.72	0.40	ppb
Phosphorus	31-2	10407.61	10259.66	10102.91	10256.73	1.49	ppb
Potassium	39-2	131792.11	130300.54	131907.41	131333.35	0.68	ppb
Rhodium	103-1				82		%
Rhodium	103-2				82		%
Scandium	45-1				89		%
Scandium	45-2				91		%
Selenium	82-1	487.69	494.22	495.13	492.35	0.82	ppb
Selenium	77-2	502.70	506.99	486.12	498.60	2.21	ppb
Selenium	78-2	487.63	511.26	493.87	497.59	2.46	ppb
Silicon	28-1	516.19	523.58	503.34	514.37	1.99	ppb
Silver	107-1	494.40	493.26	494.06	493.91	0.12	ppb
Silver	109-1	486.10	485.05	493.36	488.17	0.93	ppb
Sodium	23-2	240826.14	244493.59	240707.08	242008.94	0.89	ppb
Strontium	86-1	12806.12	12963.33	12829.55	12866.33	0.66	ppb
Strontium	88-1	12680.17	12770.21	12669.61	12706.66	0.44	ppb
Sulfur	34-1	11139.20	10839.14	10127.32	10701.89	4.86	ppb
Terbium	159-1				94		%
Terbium	159-2				91		%
Thallium	203-1	515.05	509.27	532.29	518.87	2.31	ppb
Thallium	205-1	513.01	513.11	528.44	518.19	1.71	ppb
Tin	118-1	506.97	504.77	507.04	506.26	0.26	ppb
Titanium	47-1	5142.98	5170.43	5113.18	5142.20	0.56	ppb
Uranium	238-1	524.56	531.07	529.81	528.48	0.65	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV02 Instrumnet Name : P8
Client Sample ID : CCV02 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:59:45 DataFile Name : 032CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	525.07	525.76	526.83	525.89	0.17	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				93		%
Yttrium	89-2				91		%
Zinc	66-2	5359.74	5250.97	5155.40	5255.37	1.95	ppb
Zirconium	90-1	503.56	512.77	517.46	511.26	1.38	ppb
Zirconium	91-1	506.66	518.89	512.23	512.59	1.19	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB02 Instrumnet Name : P8
Client Sample ID : CCB02 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:05:22 DataFile Name : 033CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.20	0.07	-0.08	-0.07		ppb
Antimony	121-1	0.05	0.04	0.04	0.04	10.54	ppb
Arsenic	75-2	0.01	0.01	-0.01	0.00	5550.90	ppb
Barium	135-1	0.02	0.02	0.01	0.02	28.97	ppb
Barium	137-1	0.01	0.01	0.01	0.01	25.69	ppb
Beryllium	9-1	0.03	0.03	0.02	0.03	11.38	ppb
Bismuth	209-1				105		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	-0.03	0.01	0.00	-0.01		ppb
Cadmium	106-1	-1.40	-0.90	-0.97	-1.09		ppb
Cadmium	111-1	-0.10	-0.07	-0.07	-0.08		ppb
Calcium	43-1	-0.33	0.88	-0.12	0.14	452.13	ppb
Calcium	44-1	-0.51	-0.33	-0.35	-0.40		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.01	-0.02	0.00	0.00		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00	169.02	ppb
Copper	63-2	0.00	-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				103		%
Holmium	165-2				100		%
Indium	115-1				99		%
Indium	115-2				98		%
Iron	54-2	-0.46	-0.94	-1.01	-0.80		ppb
Iron	56-2	0.90	1.07	0.80	0.92	14.91	ppb
Iron	57-2	0.53	0.76	0.60	0.63	18.77	ppb
Krypton	83-1						cps
Lead	206-1	0.04	0.05	0.04	0.05	12.72	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB02 Instrumnet Name : P8
Client Sample ID : CCB02 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:05:22 DataFile Name : 033CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.05	0.03	0.04	0.04	15.36	ppb
Lead	208-1	0.05	0.04	0.04	0.04	11.56	ppb
Lithium	6-1				101		%
Magnesium	24-2	1.43	0.97	1.06	1.15	20.82	ppb
Manganese	55-2	0.16	0.12	0.04	0.10	57.65	ppb
Molybdenum	94-1	0.11	0.09	0.10	0.10	8.08	ppb
Molybdenum	95-1	0.05	0.05	0.05	0.05	5.04	ppb
Molybdenum	96-1	0.05	0.06	0.05	0.05	8.12	ppb
Molybdenum	97-1	0.05	0.04	0.04	0.04	13.15	ppb
Molybdenum	98-1	0.05	0.05	0.04	0.05	14.52	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	-0.02	0.01	0.00		ppb
Phosphorus	31-2	-115.22	-112.92	-106.53	-111.55		ppb
Potassium	39-2	11.59	8.74	10.76	10.36	14.15	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				101		%
Scandium	45-2				98		%
Selenium	82-1	-0.15	0.13	0.05	0.01	1457.31	ppb
Selenium	77-2	0.53	0.00	0.00	0.18	173.21	ppb
Selenium	78-2	-0.30	-0.31	-0.62	-0.41		ppb
Silicon	28-1	-0.43	-0.54	-0.46	-0.48		ppb
Silver	107-1	0.02	0.02	0.02	0.02	1.84	ppb
Silver	109-1	0.02	0.02	0.02	0.02	6.85	ppb
Sodium	23-2	28.90	26.52	26.65	27.36	4.90	ppb
Strontium	86-1	0.04	-0.22	-0.11	-0.10		ppb
Strontium	88-1	0.06	0.08	0.04	0.06	33.66	ppb
Sulfur	34-1	-632.48	-632.91	-593.76	-619.71		ppb
Terbium	159-1				101		%
Terbium	159-2				98		%
Thallium	203-1	0.01	0.01	0.01	0.01	23.68	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	2.27	ppb
Tin	118-1	0.00	0.00	0.01	0.00	648.31	ppb
Titanium	47-1	0.07	0.03	0.05	0.05	43.33	ppb
Uranium	238-1	0.00	0.00	0.00	0.00	23.03	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB02 Instrumnet Name : P8
Client Sample ID : CCB02 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:05:22 DataFile Name : 033CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				99		%
Zinc	66-2	0.02	0.08	0.04	0.04	68.44	ppb
Zirconium	90-1	0.03	0.03	0.03	0.03	11.47	ppb
Zirconium	91-1	0.03	0.03	0.04	0.03	7.70	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-14DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-27-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:09:08 DataFile Name : 034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6209.00	6171.66	6261.81	6214.15	0.73	ppb
Antimony	121-1	0.03	0.04	0.04	0.04	10.57	ppb
Arsenic	75-2	4.24	4.38	4.10	4.24	3.39	ppb
Barium	135-1	24.60	24.59	24.64	24.61	0.12	ppb
Barium	137-1	24.74	24.95	24.74	24.81	0.49	ppb
Beryllium	9-1	1.72	1.76	1.75	1.74	1.28	ppb
Bismuth	209-1				102		%
Bismuth	209-2				95		%
Bromine	81-1						cps
Cadmium	108-1	1.63	1.44	1.57	1.55	6.20	ppb
Cadmium	106-1	0.85	0.67	0.86	0.79	13.74	ppb
Cadmium	111-1	1.64	1.65	1.62	1.64	0.90	ppb
Calcium	43-1	57392.74	58968.56	59723.29	58694.86	2.03	ppb
Calcium	44-1	57978.24	58881.85	59475.24	58778.44	1.28	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	2.98	2.93	2.93	2.95	0.83	ppb
Cobalt	59-2	41.46	40.96	41.15	41.19	0.61	ppb
Copper	63-2	12.66	12.70	12.88	12.75	0.92	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				100		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	54-2	2092.06	2090.18	2094.48	2092.24	0.10	ppb
Iron	56-2	2138.38	2115.06	2093.54	2115.66	1.06	ppb
Iron	57-2	2052.89	2045.38	2070.53	2056.26	0.63	ppb
Krypton	83-1						cps
Lead	206-1	3.59	3.79	3.71	3.70	2.77	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-14DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-27-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:09:08 DataFile Name : 034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	3.47	3.68	3.58	3.58	3.02	ppb
Lead	208-1	3.53	3.70	3.65	3.63	2.46	ppb
Lithium	6-1				103		%
Magnesium	24-2	10982.76	10947.65	10820.19	10916.87	0.78	ppb
Manganese	55-2	3446.77	3493.98	3493.63	3478.13	0.78	ppb
Molybdenum	94-1	0.29	0.30	0.29	0.29	1.94	ppb
Molybdenum	95-1	0.06	0.07	0.07	0.07	7.04	ppb
Molybdenum	96-1	0.06	0.06	0.07	0.06	5.19	ppb
Molybdenum	97-1	0.04	0.04	0.04	0.04	1.55	ppb
Molybdenum	98-1	0.03	0.03	0.03	0.03	2.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	29.41	29.07	29.56	29.35	0.86	ppb
Phosphorus	31-2	419.91	387.20	412.39	406.50	4.22	ppb
Potassium	39-2	12811.76	12622.57	12800.52	12744.95	0.83	ppb
Rhodium	103-1				97		%
Rhodium	103-2				96		%
Scandium	45-1				100		%
Scandium	45-2				98		%
Selenium	82-1	0.53	0.17	0.07	0.26	93.53	ppb
Selenium	77-2	13.92	16.16	12.74	14.27	12.16	ppb
Selenium	78-2	2.78	2.40	3.04	2.74	11.82	ppb
Silicon	28-1	461.63	471.36	464.62	465.87	1.07	ppb
Silver	107-1	0.02	0.02	0.02	0.02	4.33	ppb
Silver	109-1	0.01	0.01	0.02	0.01	8.39	ppb
Sodium	23-2	3346.60	3407.59	3335.95	3363.38	1.15	ppb
Strontium	86-1	4932.72	5060.29	5018.68	5003.90	1.30	ppb
Strontium	88-1	5006.17	4996.28	4979.78	4994.08	0.27	ppb
Sulfur	34-1	60636.09	62839.08	63008.12	62161.10	2.13	ppb
Terbium	159-1				102		%
Terbium	159-2				99		%
Thallium	203-1	0.14	0.15	0.14	0.14	3.51	ppb
Thallium	205-1	0.14	0.15	0.15	0.15	2.45	ppb
Tin	118-1	0.02	0.02	0.00	0.01	85.39	ppb
Titanium	47-1	0.87	1.00	0.99	0.95	7.31	ppb
Uranium	238-1	0.18	0.19	0.18	0.18	3.14	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-14DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-27-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:09:08 DataFile Name : 034AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	5.37	5.38	5.47	5.41	1.00	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				107		%
Yttrium	89-2				102		%
Zinc	66-2	395.70	400.95	400.30	398.98	0.72	ppb
Zirconium	90-1	0.15	0.16	0.16	0.15	2.93	ppb
Zirconium	91-1	0.15	0.15	0.14	0.15	1.87	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:12:18 DataFile Name : 035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	18426.98	16677.33	16854.82	17319.71	5.56	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	4.10	ppb
Arsenic	75-2	5.31	5.17	4.65	5.04	6.92	ppb
Barium	135-1	21.89	21.88	22.23	22.00	0.92	ppb
Barium	137-1	22.40	22.05	22.65	22.36	1.34	ppb
Beryllium	9-1	2.73	2.75	2.72	2.73	0.48	ppb
Bismuth	209-1				103		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Cadmium	108-1	1.71	1.66	1.87	1.75	6.22	ppb
Cadmium	106-1	1.89	2.39	1.84	2.04	15.03	ppb
Cadmium	111-1	1.99	2.03	1.95	1.99	2.19	ppb
Calcium	43-1	38050.29	40304.78	39695.00	39350.02	2.96	ppb
Calcium	44-1	39176.88	41113.49	39893.02	40061.13	2.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	9.16	8.40	8.43	8.66	4.96	ppb
Cobalt	59-2	58.46	55.28	55.01	56.25	3.42	ppb
Copper	63-2	64.18	60.31	59.62	61.37	4.00	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				105		%
Holmium	165-2				98		%
Indium	115-1				99		%
Indium	115-2				93		%
Iron	54-2	3478.72	3241.01	3228.06	3315.93	4.26	ppb
Iron	56-2	3510.46	3236.27	3236.73	3327.82	4.75	ppb
Iron	57-2	3398.53	3144.52	3180.99	3241.35	4.24	ppb
Krypton	83-1						cps
Lead	206-1	7.05	7.17	7.19	7.14	1.03	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:12:18 DataFile Name : 035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	6.83	6.90	6.89	6.87	0.48	ppb
Lead	208-1	6.93	7.02	7.05	7.00	0.83	ppb
Lithium	6-1				102		%
Magnesium	24-2	7939.95	7350.14	7392.41	7560.83	4.35	ppb
Manganese	55-2	3969.29	3791.08	3739.85	3833.41	3.14	ppb
Molybdenum	94-1	0.29	0.26	0.29	0.28	5.73	ppb
Molybdenum	95-1	0.06	0.06	0.06	0.06	6.41	ppb
Molybdenum	96-1	0.06	0.05	0.05	0.06	5.42	ppb
Molybdenum	97-1	0.03	0.03	0.03	0.03	2.19	ppb
Molybdenum	98-1	0.02	0.02	0.02	0.02	10.82	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	48.17	44.47	44.80	45.81	4.47	ppb
Phosphorus	31-2	665.73	638.43	624.91	643.02	3.23	ppb
Potassium	39-2	8791.18	8343.09	8355.56	8496.61	3.00	ppb
Rhodium	103-1				96		%
Rhodium	103-2				94		%
Scandium	45-1				101		%
Scandium	45-2				96		%
Selenium	82-1	1.14	1.19	0.59	0.97	33.99	ppb
Selenium	77-2	53.37	50.03	50.74	51.38	3.43	ppb
Selenium	78-2	9.26	10.65	8.37	9.43	12.18	ppb
Silicon	28-1	763.98	779.05	756.12	766.38	1.52	ppb
Silver	107-1	0.02	0.01	0.02	0.02	12.71	ppb
Silver	109-1	0.01	0.02	0.02	0.01	6.62	ppb
Sodium	23-2	2984.99	2659.25	2679.85	2774.70	6.57	ppb
Strontium	86-1	2769.66	2789.20	2792.93	2783.93	0.45	ppb
Strontium	88-1	2895.09	2875.91	2881.64	2884.21	0.34	ppb
Sulfur	34-1	60584.74	62228.27	62249.89	61687.63	1.55	ppb
Terbium	159-1				104		%
Terbium	159-2				96		%
Thallium	203-1	0.15	0.17	0.15	0.16	4.61	ppb
Thallium	205-1	0.16	0.16	0.16	0.16	1.77	ppb
Tin	118-1	0.03	0.03	0.04	0.03	21.55	ppb
Titanium	47-1	1.37	1.43	1.44	1.41	2.71	ppb
Uranium	238-1	1.00	1.00	1.00	1.00	0.20	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:12:18 DataFile Name : 035AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	14.87	13.87	13.85	14.20	4.08	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				119		%
Yttrium	89-2				109		%
Zinc	66-2	390.45	362.64	368.42	373.84	3.93	ppb
Zirconium	90-1	0.13	0.13	0.14	0.13	4.35	ppb
Zirconium	91-1	0.13	0.14	0.13	0.13	4.72	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16DUPDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725DUPI Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:15:32 DataFile Name : 036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16752.14	16092.18	16434.04	16426.12	2.01	ppb
Antimony	121-1	0.03	0.03	0.03	0.03	1.53	ppb
Arsenic	75-2	4.51	4.50	4.44	4.48	0.93	ppb
Barium	135-1	21.09	21.63	21.70	21.47	1.56	ppb
Barium	137-1	21.64	21.87	22.17	21.89	1.20	ppb
Beryllium	9-1	2.62	2.62	2.58	2.60	0.88	ppb
Bismuth	209-1				102		%
Bismuth	209-2				94		%
Bromine	81-1						cps
Cadmium	108-1	1.90	1.70	1.73	1.77	5.99	ppb
Cadmium	106-1	2.09	2.10	2.21	2.13	3.07	ppb
Cadmium	111-1	1.93	1.98	1.98	1.96	1.60	ppb
Calcium	43-1	39796.88	40045.82	38672.81	39505.17	1.85	ppb
Calcium	44-1	39278.01	39544.81	39133.87	39318.90	0.53	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8.27	8.36	8.49	8.37	1.31	ppb
Cobalt	59-2	54.29	53.49	54.28	54.02	0.86	ppb
Copper	63-2	58.72	58.60	59.08	58.80	0.43	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				99		%
Indium	115-1				98		%
Indium	115-2				93		%
Iron	54-2	3147.97	3144.05	3160.35	3150.79	0.27	ppb
Iron	56-2	3200.07	3165.98	3168.22	3178.09	0.60	ppb
Iron	57-2	3141.66	3095.75	3093.79	3110.40	0.87	ppb
Krypton	83-1						cps
Lead	206-1	6.90	7.07	6.96	6.98	1.23	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16DUPDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725DUP Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:15:32 DataFile Name : 036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	6.65	6.79	6.79	6.74	1.19	ppb
Lead	208-1	6.73	6.89	6.83	6.81	1.19	ppb
Lithium	6-1				103		%
Magnesium	24-2	7441.74	7176.61	7359.91	7326.08	1.85	ppb
Manganese	55-2	3630.54	3665.37	3644.89	3646.94	0.48	ppb
Molybdenum	94-1	0.24	0.26	0.28	0.26	7.09	ppb
Molybdenum	95-1	0.05	0.05	0.05	0.05	3.38	ppb
Molybdenum	96-1	0.05	0.06	0.06	0.06	4.99	ppb
Molybdenum	97-1	0.02	0.03	0.02	0.02	24.86	ppb
Molybdenum	98-1	0.02	0.02	0.02	0.02	9.14	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	44.10	43.34	44.08	43.84	0.98	ppb
Phosphorus	31-2	631.74	589.88	671.46	631.03	6.46	ppb
Potassium	39-2	8405.72	8361.08	8412.80	8393.20	0.33	ppb
Rhodium	103-1				96		%
Rhodium	103-2				95		%
Scandium	45-1				100		%
Scandium	45-2				97		%
Selenium	82-1	0.87	1.05	1.01	0.98	9.45	ppb
Selenium	77-2	57.23	60.99	58.14	58.79	3.33	ppb
Selenium	78-2	9.57	12.16	9.90	10.54	13.37	ppb
Silicon	28-1	731.04	743.41	751.56	742.00	1.39	ppb
Silver	107-1	0.01	0.02	0.02	0.01	10.27	ppb
Silver	109-1	0.01	0.01	0.01	0.01	5.78	ppb
Sodium	23-2	2683.18	2590.94	2654.64	2642.92	1.79	ppb
Strontium	86-1	2701.28	2768.23	2779.27	2749.59	1.53	ppb
Strontium	88-1	2808.59	2866.46	2833.06	2836.04	1.02	ppb
Sulfur	34-1	59833.65	61340.40	62461.77	61211.94	2.15	ppb
Terbium	159-1				104		%
Terbium	159-2				97		%
Thallium	203-1	0.15	0.15	0.17	0.16	4.38	ppb
Thallium	205-1	0.15	0.15	0.16	0.16	1.35	ppb
Tin	118-1	0.03	0.04	0.04	0.03	13.68	ppb
Titanium	47-1	1.46	1.42	1.43	1.44	1.24	ppb
Uranium	238-1	0.97	1.00	0.98	0.98	1.17	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16DUPDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725DUP[Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:15:32 DataFile Name : 036AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	13.49	13.35	13.63	13.49	1.04	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				116		%
Yttrium	89-2				110		%
Zinc	66-2	360.51	351.46	359.56	357.18	1.39	ppb
Zirconium	90-1	0.12	0.13	0.12	0.12	3.51	ppb
Zirconium	91-1	0.13	0.13	0.13	0.13	1.49	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16LDLX25 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725LDL Dilution Factor : 25
Date & Time Acquired : 2025-05-21 16:18:45 DataFile Name : 037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	16362.00	18461.86	16758.27	17194.04	6.49	ppb
Antimony	121-1	0.03	0.02	0.03	0.03	2.82	ppb
Arsenic	75-2	4.49	5.63	4.65	4.93	12.52	ppb
Barium	135-1	21.34	21.84	21.77	21.65	1.26	ppb
Barium	137-1	21.67	22.38	22.25	22.10	1.70	ppb
Beryllium	9-1	2.56	2.64	2.61	2.60	1.51	ppb
Bismuth	209-1				102		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	1.65	1.63	1.71	1.66	2.54	ppb
Cadmium	106-1	2.46	2.51	2.09	2.35	9.88	ppb
Cadmium	111-1	1.96	2.01	1.98	1.98	1.47	ppb
Calcium	43-1	38943.47	38847.38	39702.24	39164.36	1.20	ppb
Calcium	44-1	38735.29	39232.84	39177.49	39048.54	0.70	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	8.48	9.35	8.13	8.66	7.26	ppb
Cobalt	59-2	54.77	60.80	53.83	56.47	6.70	ppb
Copper	63-2	59.13	65.97	58.32	61.14	6.87	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				98		%
Indium	115-2				90		%
Iron	54-2	3209.83	3593.94	3135.98	3313.25	7.42	ppb
Iron	56-2	3208.80	3585.94	3149.95	3314.90	7.14	ppb
Iron	57-2	3134.61	3508.83	3095.21	3246.22	7.03	ppb
Krypton	83-1						cps
Lead	206-1	6.85	6.89	7.01	6.92	1.20	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16LDLX25 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725LDL Dilution Factor : 25
Date & Time Acquired : 2025-05-21 16:18:45 DataFile Name : 037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	6.67	6.69	6.90	6.76	1.89	ppb
Lead	208-1	6.73	6.80	6.89	6.81	1.12	ppb
Lithium	6-1				101		%
Magnesium	24-2	7245.94	8178.40	7213.11	7545.82	7.26	ppb
Manganese	55-2	3672.02	4178.57	3622.02	3824.21	8.05	ppb
Molybdenum	94-1	0.24	0.25	0.25	0.25	2.84	ppb
Molybdenum	95-1	0.06	0.05	0.06	0.06	8.59	ppb
Molybdenum	96-1	0.05	0.05	0.05	0.05	3.38	ppb
Molybdenum	97-1	0.02	0.03	0.02	0.02	29.72	ppb
Molybdenum	98-1	0.02	0.02	0.02	0.02	3.94	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	44.18	49.34	44.44	45.99	6.33	ppb
Phosphorus	31-2	618.08	744.22	647.12	669.81	9.86	ppb
Potassium	39-2	8365.46	9310.68	8090.54	8588.89	7.45	ppb
Rhodium	103-1				97		%
Rhodium	103-2				92		%
Scandium	45-1				99		%
Scandium	45-2				93		%
Selenium	82-1	1.04	0.79	1.13	0.99	18.06	ppb
Selenium	77-2	64.65	62.01	47.80	58.15	15.59	ppb
Selenium	78-2	10.96	9.52	8.35	9.61	13.63	ppb
Silicon	28-1	736.46	744.01	739.14	739.87	0.52	ppb
Silver	107-1	0.02	0.02	0.02	0.02	5.08	ppb
Silver	109-1	0.02	0.01	0.01	0.01	11.20	ppb
Sodium	23-2	2699.97	2955.85	2641.07	2765.63	6.05	ppb
Strontium	86-1	2748.75	2799.99	2766.31	2771.68	0.94	ppb
Strontium	88-1	2821.77	2872.67	2921.07	2871.84	1.73	ppb
Sulfur	34-1	59531.03	61667.11	61162.83	60786.99	1.84	ppb
Terbium	159-1				102		%
Terbium	159-2				94		%
Thallium	203-1	0.15	0.15	0.15	0.15	1.92	ppb
Thallium	205-1	0.16	0.16	0.15	0.16	1.25	ppb
Tin	118-1	0.04	0.04	0.03	0.04	9.57	ppb
Titanium	47-1	1.38	1.42	1.41	1.40	1.65	ppb
Uranium	238-1	0.97	1.00	0.98	0.98	1.47	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16LDLX25 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725LDL Dilution Factor : 25
Date & Time Acquired : 2025-05-21 16:18:45 DataFile Name : 037AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	13.65	15.32	13.54	14.17	7.04	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				116		%
Yttrium	89-2				107		%
Zinc	66-2	359.48	403.35	355.49	372.77	7.12	ppb
Zirconium	90-1	0.12	0.12	0.13	0.12	3.73	ppb
Zirconium	91-1	0.12	0.13	0.13	0.13	2.54	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16MSDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725MSDI Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:22:00 DataFile Name : 038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17444.60	16925.60	17722.63	17364.28	2.33	ppb
Antimony	121-1	98.59	97.32	99.96	98.63	1.34	ppb
Arsenic	75-2	4.38	4.82	4.53	4.58	4.85	ppb
Barium	135-1	460.22	474.01	474.05	469.42	1.70	ppb
Barium	137-1	472.55	461.48	469.83	467.95	1.23	ppb
Beryllium	9-1	102.55	104.86	102.86	103.42	1.21	ppb
Bismuth	209-1				101		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	95.03	95.12	95.54	95.23	0.28	ppb
Cadmium	106-1	99.05	98.64	99.17	98.95	0.28	ppb
Cadmium	111-1	96.87	95.72	96.49	96.36	0.61	ppb
Calcium	43-1	45824.17	47334.62	46914.90	46691.23	1.67	ppb
Calcium	44-1	46658.90	47409.13	47596.23	47221.42	1.05	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	101.28	101.38	103.14	101.93	1.03	ppb
Cobalt	59-2	149.19	149.02	151.70	149.97	1.00	ppb
Copper	63-2	1094.15	1098.03	1105.86	1099.35	0.54	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				104		%
Holmium	165-2				99		%
Indium	115-1				98		%
Indium	115-2				92		%
Iron	54-2	7727.62	7543.35	7850.55	7707.17	2.01	ppb
Iron	56-2	7422.16	7469.98	7627.85	7506.66	1.43	ppb
Iron	57-2	7273.03	7284.54	7427.30	7328.29	1.17	ppb
Krypton	83-1						cps
Lead	206-1	476.34	484.60	476.35	479.09	0.99	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16MSDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725MSDI Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:22:00 DataFile Name : 038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	480.60	495.25	491.34	489.07	1.55	ppb
Lead	208-1	482.44	492.98	483.53	486.32	1.19	ppb
Lithium	6-1				100		%
Magnesium	24-2	16946.36	16604.66	17260.51	16937.18	1.94	ppb
Manganese	55-2	4417.58	4425.02	4623.47	4488.69	2.60	ppb
Molybdenum	94-1	409.45	396.86	400.85	402.39	1.60	ppb
Molybdenum	95-1	307.83	301.76	303.83	304.47	1.01	ppb
Molybdenum	96-1	315.12	312.10	311.62	312.94	0.61	ppb
Molybdenum	97-1	301.91	310.83	305.66	306.13	1.46	ppb
Molybdenum	98-1	303.94	312.45	302.06	306.15	1.81	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	136.73	137.32	138.15	137.40	0.52	ppb
Phosphorus	31-2	593.90	600.81	591.06	595.26	0.84	ppb
Potassium	39-2	12657.71	12192.12	12542.00	12463.94	1.94	ppb
Rhodium	103-1				95		%
Rhodium	103-2				94		%
Scandium	45-1				99		%
Scandium	45-2				96		%
Selenium	82-1	84.43	86.18	86.15	85.59	1.17	ppb
Selenium	77-2	141.78	127.93	129.97	133.23	5.61	ppb
Selenium	78-2	100.55	99.06	91.07	96.89	5.26	ppb
Silicon	28-1	685.44	703.39	705.38	698.07	1.57	ppb
Silver	107-1	15.89	16.01	16.08	15.99	0.62	ppb
Silver	109-1	15.94	16.04	16.17	16.05	0.72	ppb
Sodium	23-2	12473.39	12218.23	12608.84	12433.49	1.60	ppb
Strontium	86-1	5279.93	5343.01	5343.79	5322.24	0.69	ppb
Strontium	88-1	5275.12	5329.98	5294.42	5299.84	0.53	ppb
Sulfur	34-1	54731.99	59010.76	58581.19	57441.31	4.10	ppb
Terbium	159-1				102		%
Terbium	159-2				96		%
Thallium	203-1	93.49	97.51	97.14	96.05	2.31	ppb
Thallium	205-1	93.02	96.42	95.55	94.99	1.86	ppb
Tin	118-1	88.26	85.68	90.00	87.98	2.47	ppb
Titanium	47-1	1.55	1.54	1.60	1.56	1.98	ppb
Uranium	238-1	92.55	94.70	94.26	93.84	1.21	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16MSDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725MSDI Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:22:00 DataFile Name : 038AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	110.92	111.78	113.57	112.09	1.21	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				115		%
Yttrium	89-2				109		%
Zinc	66-2	1358.03	1353.22	1372.29	1361.18	0.73	ppb
Zirconium	90-1	82.04	82.74	84.16	82.98	1.30	ppb
Zirconium	91-1	80.08	80.41	80.84	80.44	0.48	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16MSDDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725MSDI Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:24:55 DataFile Name : 039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17566.04	17223.94	17382.99	17390.99	0.98	ppb
Antimony	121-1	97.13	98.31	98.04	97.83	0.63	ppb
Arsenic	75-2	4.53	4.25	4.50	4.43	3.46	ppb
Barium	135-1	464.64	468.14	471.92	468.23	0.78	ppb
Barium	137-1	459.05	470.21	468.13	465.80	1.27	ppb
Beryllium	9-1	100.90	103.01	107.80	103.90	3.40	ppb
Bismuth	209-1				101		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	94.97	95.28	95.69	95.31	0.38	ppb
Cadmium	106-1	96.48	100.20	100.37	99.02	2.22	ppb
Cadmium	111-1	94.49	96.14	96.97	95.87	1.31	ppb
Calcium	43-1	47278.92	48158.47	46805.28	47414.22	1.45	ppb
Calcium	44-1	46672.21	48117.35	46771.11	47186.89	1.71	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	100.57	101.80	101.98	101.45	0.76	ppb
Cobalt	59-2	146.13	148.78	148.97	147.96	1.07	ppb
Copper	63-2	1091.69	1085.96	1095.89	1091.18	0.46	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				105		%
Holmium	165-2				97		%
Indium	115-1				97		%
Indium	115-2				91		%
Iron	54-2	7712.03	7690.48	7795.06	7732.53	0.71	ppb
Iron	56-2	7352.34	7387.60	7477.03	7405.66	0.87	ppb
Iron	57-2	7240.41	7284.18	7310.94	7278.51	0.49	ppb
Krypton	83-1						cps
Lead	206-1	470.38	489.20	481.24	480.27	1.97	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16MSDDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725MSDI Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:24:55 DataFile Name : 039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	480.15	493.94	498.67	490.92	1.96	ppb
Lead	208-1	475.79	489.51	492.66	485.99	1.85	ppb
Lithium	6-1				98		%
Magnesium	24-2	16710.82	16661.83	16900.24	16757.63	0.75	ppb
Manganese	55-2	4404.16	4450.26	4493.62	4449.35	1.01	ppb
Molybdenum	94-1	394.50	394.78	402.26	397.18	1.11	ppb
Molybdenum	95-1	302.32	305.68	307.59	305.20	0.87	ppb
Molybdenum	96-1	309.91	317.13	311.54	312.86	1.21	ppb
Molybdenum	97-1	299.56	297.99	300.70	299.42	0.45	ppb
Molybdenum	98-1	291.99	297.01	299.82	296.27	1.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	134.88	136.72	138.12	136.57	1.19	ppb
Phosphorus	31-2	640.04	591.79	632.22	621.35	4.17	ppb
Potassium	39-2	12179.11	12509.32	12281.14	12323.19	1.37	ppb
Rhodium	103-1				94		%
Rhodium	103-2				94		%
Scandium	45-1				98		%
Scandium	45-2				96		%
Selenium	82-1	82.82	84.92	84.16	83.97	1.27	ppb
Selenium	77-2	137.58	130.75	134.66	134.33	2.55	ppb
Selenium	78-2	100.50	87.96	97.07	95.18	6.81	ppb
Silicon	28-1	714.09	728.25	698.34	713.56	2.10	ppb
Silver	107-1	15.93	16.24	16.50	16.22	1.76	ppb
Silver	109-1	15.78	16.14	16.34	16.08	1.74	ppb
Sodium	23-2	12247.39	12211.88	12309.99	12256.42	0.41	ppb
Strontium	86-1	5209.76	5261.67	5277.60	5249.68	0.68	ppb
Strontium	88-1	5164.03	5184.73	5214.24	5187.67	0.49	ppb
Sulfur	34-1	59305.02	58817.84	57501.52	58541.46	1.59	ppb
Terbium	159-1				102		%
Terbium	159-2				96		%
Thallium	203-1	95.57	96.21	95.94	95.91	0.34	ppb
Thallium	205-1	94.54	95.62	94.69	94.95	0.61	ppb
Tin	118-1	87.27	87.60	89.05	87.97	1.07	ppb
Titanium	47-1	1.60	1.63	1.59	1.61	1.39	ppb
Uranium	238-1	92.01	93.97	94.52	93.50	1.41	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16MSDDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725MSDI Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:24:55 DataFile Name : 039AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	110.79	111.19	110.94	110.97	0.18	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				115		%
Yttrium	89-2				110		%
Zinc	66-2	1327.22	1344.68	1356.80	1342.90	1.11	ppb
Zirconium	90-1	82.04	82.78	83.20	82.67	0.71	ppb
Zirconium	91-1	78.70	79.83	80.21	79.58	0.99	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16ADLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725ADL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:27:53 DataFile Name : 040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	17242.43	17167.51	17357.02	17255.66	0.55	ppb
Antimony	121-1	96.67	98.39	95.42	96.83	1.54	ppb
Arsenic	75-2	4.70	4.82	4.68	4.73	1.53	ppb
Barium	135-1	450.36	467.86	461.41	459.87	1.92	ppb
Barium	137-1	450.45	474.74	451.65	458.95	2.98	ppb
Beryllium	9-1	100.60	104.75	105.23	103.53	2.46	ppb
Bismuth	209-1				101		%
Bismuth	209-2				93		%
Bromine	81-1						cps
Cadmium	108-1	91.97	95.10	92.73	93.27	1.75	ppb
Cadmium	106-1	96.58	100.21	94.64	97.14	2.91	ppb
Cadmium	111-1	95.00	96.11	95.19	95.43	0.62	ppb
Calcium	43-1	47373.90	47172.61	47846.62	47464.38	0.73	ppb
Calcium	44-1	46965.91	47333.88	46977.62	47092.47	0.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	100.80	100.39	99.98	100.39	0.41	ppb
Cobalt	59-2	146.78	147.38	147.04	147.06	0.20	ppb
Copper	63-2	1086.76	1087.27	1063.44	1079.16	1.26	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				99		%
Indium	115-1				97		%
Indium	115-2				92		%
Iron	54-2	7542.90	7403.23	7549.38	7498.51	1.10	ppb
Iron	56-2	7478.27	7410.10	7356.10	7414.83	0.83	ppb
Iron	57-2	7183.32	7239.00	7207.49	7209.93	0.39	ppb
Krypton	83-1						cps
Lead	206-1	483.65	476.91	475.05	478.54	0.95	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16ADLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725ADL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:27:53 DataFile Name : 040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	491.39	484.22	486.68	487.43	0.75	ppb
Lead	208-1	479.83	482.25	479.89	480.66	0.29	ppb
Lithium	6-1				98		%
Magnesium	24-2	16964.91	16951.56	16827.52	16914.66	0.45	ppb
Manganese	55-2	4449.87	4409.13	4375.20	4411.40	0.85	ppb
Molybdenum	94-1	391.78	384.71	406.52	394.34	2.82	ppb
Molybdenum	95-1	298.66	296.39	306.67	300.57	1.80	ppb
Molybdenum	96-1	303.10	309.23	316.13	309.49	2.11	ppb
Molybdenum	97-1	298.78	300.67	314.63	304.70	2.84	ppb
Molybdenum	98-1	299.39	298.38	306.62	301.46	1.49	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	134.40	136.43	132.60	134.48	1.42	ppb
Phosphorus	31-2	586.77	620.08	581.22	596.02	3.53	ppb
Potassium	39-2	12092.32	12059.35	12150.60	12100.76	0.38	ppb
Rhodium	103-1				95		%
Rhodium	103-2				94		%
Scandium	45-1				97		%
Scandium	45-2				97		%
Selenium	82-1	85.84	85.38	87.85	86.35	1.52	ppb
Selenium	77-2	130.68	123.15	116.17	123.33	5.88	ppb
Selenium	78-2	94.70	89.43	92.27	92.13	2.86	ppb
Silicon	28-1	709.72	710.20	690.39	703.44	1.61	ppb
Silver	107-1	15.78	16.30	15.98	16.02	1.65	ppb
Silver	109-1	15.74	16.30	15.77	15.94	1.96	ppb
Sodium	23-2	12556.96	12092.19	12250.70	12299.95	1.92	ppb
Strontium	86-1	5245.89	5161.28	5360.54	5255.90	1.90	ppb
Strontium	88-1	5214.84	5159.94	5194.10	5189.62	0.53	ppb
Sulfur	34-1	57891.89	57609.25	58877.94	58126.36	1.15	ppb
Terbium	159-1				102		%
Terbium	159-2				97		%
Thallium	203-1	94.90	95.07	93.59	94.52	0.86	ppb
Thallium	205-1	93.86	95.37	93.08	94.10	1.23	ppb
Tin	118-1	86.59	89.81	87.15	87.85	1.96	ppb
Titanium	47-1	1.63	1.57	1.53	1.58	3.21	ppb
Uranium	238-1	91.13	92.81	91.63	91.86	0.94	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16ADLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725ADL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:27:53 DataFile Name : 040AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	110.17	110.72	109.44	110.11	0.59	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				115		%
Yttrium	89-2				110		%
Zinc	66-2	1323.07	1335.84	1324.14	1327.68	0.53	ppb
Zirconium	90-1	80.34	84.64	81.48	82.15	2.72	ppb
Zirconium	91-1	78.51	79.70	80.56	79.59	1.29	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB168105BL Instrumnet Name : P8
Client Sample ID : PB168105BL Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:45:58 DataFile Name : 041CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.68	0.05	0.56	0.43	78.88	ppb
Antimony	121-1	0.00	0.01	0.00	0.00	10.30	ppb
Arsenic	75-2	0.01	0.01	-0.01	0.00	4222.66	ppb
Barium	135-1	0.01	0.01	0.01	0.01	20.31	ppb
Barium	137-1	0.00	0.00	0.00	0.00	168.36	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	126.60	ppb
Bismuth	209-1				103		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	-0.03	-0.01	-0.01	-0.02		ppb
Cadmium	106-1	-1.86	-1.46	-1.30	-1.54		ppb
Cadmium	111-1	-0.14	-0.11	-0.10	-0.12		ppb
Calcium	43-1	-0.99	-0.05	-1.58	-0.88		ppb
Calcium	44-1	0.18	-0.44	0.11	-0.05		ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.00	-0.01	-0.01	-0.01		ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	-0.02	-0.03	-0.03	-0.03		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				102		%
Holmium	165-2				99		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	54-2	-1.49	-2.08	-1.93	-1.83		ppb
Iron	56-2	0.25	0.26	0.43	0.32	32.17	ppb
Iron	57-2	-0.09	0.30	0.06	0.09	217.17	ppb
Krypton	83-1						cps
Lead	206-1	0.01	0.01	0.02	0.01	18.91	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB168105BL Instrumnet Name : P8
Client Sample ID : PB168105BL Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:45:58 DataFile Name : 041CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.01	0.01	0.02	0.01	41.01	ppb
Lead	208-1	0.01	0.01	0.01	0.01	10.56	ppb
Lithium	6-1				98		%
Magnesium	24-2	0.47	0.44	0.42	0.44	5.58	ppb
Manganese	55-2	-0.13	-0.22	-0.23	-0.20		ppb
Molybdenum	94-1	0.05	0.04	0.03	0.04	33.21	ppb
Molybdenum	95-1	0.01	0.01	0.01	0.01	16.11	ppb
Molybdenum	96-1	0.02	0.01	0.01	0.01	25.62	ppb
Molybdenum	97-1	0.01	0.01	0.01	0.01	24.69	ppb
Molybdenum	98-1	0.01	0.01	0.01	0.01	11.05	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.01	0.00	0.01	0.01	117.50	ppb
Phosphorus	31-2	-117.67	-116.22	-125.74	-119.87		ppb
Potassium	39-2	6.36	6.20	8.11	6.89	15.37	ppb
Rhodium	103-1				98		%
Rhodium	103-2				98		%
Scandium	45-1				98		%
Scandium	45-2				97		%
Selenium	82-1	0.06	-0.11	-0.10	-0.05		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.31	0.51	-0.29	-0.03		ppb
Silicon	28-1	-0.52	-0.35	-0.49	-0.46		ppb
Silver	107-1	0.00	0.00	0.01	0.00	21.58	ppb
Silver	109-1	0.00	0.00	0.00	0.00	2.55	ppb
Sodium	23-2	19.36	17.74	19.18	18.76	4.75	ppb
Strontium	86-1	-0.29	-0.24	-0.30	-0.28		ppb
Strontium	88-1	0.06	0.06	0.08	0.06	16.57	ppb
Sulfur	34-1	-205.92	-214.92	-216.58	-212.47		ppb
Terbium	159-1				100		%
Terbium	159-2				95		%
Thallium	203-1	0.00	0.00	0.00	0.00	59.61	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	13.82	ppb
Tin	118-1	0.00	0.02	-0.01	0.00	346.80	ppb
Titanium	47-1	0.02	0.02	0.03	0.02	20.54	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB168105BL Instrumnet Name : P8
Client Sample ID : PB168105BL Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:45:58 DataFile Name : 041CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				100		%
Yttrium	89-2				97		%
Zinc	66-2	0.22	0.12	0.09	0.14	45.48	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	14.10	ppb
Zirconium	91-1	0.02	0.01	0.01	0.02	25.97	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB168105BS Instrumnet Name : P8
Client Sample ID : PB168105BS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:49:19 DataFile Name : 042LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	10249.58	10354.21	10457.39	10353.73	1.00	ppb
Antimony	121-1	497.57	515.52	506.43	506.51	1.77	ppb
Arsenic	75-2	503.64	502.91	520.00	508.85	1.90	ppb
Barium	135-1	2470.42	2572.79	2552.47	2531.89	2.14	ppb
Barium	137-1	2494.40	2584.66	2583.14	2554.07	2.02	ppb
Beryllium	9-1	514.80	530.37	523.71	522.96	1.49	ppb
Bismuth	209-1				96		%
Bismuth	209-2				90		%
Bromine	81-1						cps
Cadmium	108-1	498.70	518.35	518.23	511.76	2.21	ppb
Cadmium	106-1	508.01	517.55	513.19	512.92	0.93	ppb
Cadmium	111-1	512.69	515.64	515.87	514.74	0.34	ppb
Calcium	43-1	50963.35	49297.74	50819.01	50360.03	1.83	ppb
Calcium	44-1	50898.19	49980.28	50802.02	50560.16	1.00	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	523.29	513.40	532.93	523.21	1.87	ppb
Cobalt	59-2	519.89	526.47	525.14	523.84	0.66	ppb
Copper	63-2	5182.82	5270.73	5305.95	5253.16	1.21	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				100		%
Holmium	165-2				95		%
Indium	115-1				91		%
Indium	115-2				87		%
Iron	54-2	25846.77	27049.33	26541.92	26479.34	2.28	ppb
Iron	56-2	25240.89	25911.49	25429.08	25527.15	1.35	ppb
Iron	57-2	25867.30	26482.61	26365.93	26238.62	1.25	ppb
Krypton	83-1						cps
Lead	206-1	2578.72	2490.77	2476.21	2515.23	2.20	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB168105BS Instrumnet Name : P8
Client Sample ID : PB168105BS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:49:19 DataFile Name : 042LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2525.89	2529.73	2482.98	2512.87	1.03	ppb
Lead	208-1	2525.47	2512.06	2492.64	2510.06	0.66	ppb
Lithium	6-1				94		%
Magnesium	24-2	52215.96	52842.92	53494.10	52851.00	1.21	ppb
Manganese	55-2	5148.88	5168.79	5210.41	5176.03	0.61	ppb
Molybdenum	94-1	5074.52	5051.73	4982.12	5036.13	0.96	ppb
Molybdenum	95-1	5090.21	5076.33	4887.32	5017.95	2.26	ppb
Molybdenum	96-1	5015.08	5061.43	4844.30	4973.60	2.30	ppb
Molybdenum	97-1	5013.53	4948.98	4818.95	4927.15	2.01	ppb
Molybdenum	98-1	5101.52	5011.92	4862.28	4991.91	2.42	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	489.81	495.96	498.22	494.66	0.88	ppb
Phosphorus	31-2	10190.92	10354.84	10269.27	10271.68	0.80	ppb
Potassium	39-2	25265.89	25986.11	25947.25	25733.08	1.57	ppb
Rhodium	103-1				90		%
Rhodium	103-2				89		%
Scandium	45-1				95		%
Scandium	45-2				95		%
Selenium	82-1	498.29	510.55	492.91	500.59	1.81	ppb
Selenium	77-2	509.33	524.99	533.66	522.66	2.36	ppb
Selenium	78-2	492.54	509.90	517.43	506.62	2.52	ppb
Silicon	28-1	496.85	508.05	521.78	508.90	2.45	ppb
Silver	107-1	512.77	523.13	520.69	518.86	1.04	ppb
Silver	109-1	506.80	519.99	514.00	513.59	1.29	ppb
Sodium	23-2	51914.59	52657.41	52424.03	52332.01	0.73	ppb
Strontium	86-1	12381.94	12532.36	12705.56	12539.96	1.29	ppb
Strontium	88-1	12480.94	12610.65	12715.07	12602.22	0.93	ppb
Sulfur	34-1	10220.77	10220.77	10912.36	10451.30	3.82	ppb
Terbium	159-1				99		%
Terbium	159-2				93		%
Thallium	203-1	521.11	498.60	487.90	502.53	3.37	ppb
Thallium	205-1	522.54	502.76	493.95	506.42	2.89	ppb
Tin	118-1	491.60	515.31	509.08	505.33	2.43	ppb
Titanium	47-1	5144.71	5032.99	5128.56	5102.09	1.18	ppb
Uranium	238-1	493.01	495.80	498.73	495.85	0.58	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB168105BS Instrumnet Name : P8
Client Sample ID : PB168105BS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:49:19 DataFile Name : 042LCSS.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	516.01	517.52	526.18	519.90	1.06	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				98		%
Yttrium	89-2				93		%
Zinc	66-2	5148.36	5282.37	5168.23	5199.66	1.39	ppb
Zirconium	90-1	505.38	500.85	502.89	503.04	0.45	ppb
Zirconium	91-1	506.01	513.34	502.71	507.35	1.07	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-01 Instrumnet Name : P8
Client Sample ID : SC-4-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:54:18 DataFile Name : 043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	21561.38	20611.48	21253.92	21142.26	2.29	ppb
Antimony	121-1	0.10	0.09	0.10	0.10	3.64	ppb
Arsenic	75-2	33.18	31.68	33.52	32.79	2.98	ppb
Barium	135-1	38.16	39.16	40.54	39.29	3.04	ppb
Barium	137-1	39.04	39.91	41.01	39.99	2.47	ppb
Beryllium	9-1	2.65	2.69	2.59	2.64	2.02	ppb
Bismuth	209-1				106		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	3.20	3.42	3.78	3.47	8.52	ppb
Cadmium	106-1	5.66	6.09	6.32	6.02	5.54	ppb
Cadmium	111-1	0.48	0.51	0.52	0.50	4.16	ppb
Calcium	43-1	2731.68	2735.10	2760.02	2742.26	0.56	ppb
Calcium	44-1	2693.96	2675.03	2730.67	2699.89	1.05	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	50.49	48.38	50.38	49.75	2.39	ppb
Cobalt	59-2	13.01	12.77	13.06	12.95	1.21	ppb
Copper	63-2	26.43	25.65	26.06	26.04	1.50	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				108		%
Holmium	165-2				102		%
Indium	115-1				103		%
Indium	115-2				97		%
Iron	54-2	60458.48	57842.16	59852.66	59384.43	2.31	ppb
Iron	56-2	59558.52	57527.58	59328.33	58804.81	1.89	ppb
Iron	57-2	60534.66	57550.85	59543.20	59209.57	2.57	ppb
Krypton	83-1						cps
Lead	206-1	32.65	33.02	33.81	33.16	1.79	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-01 Instrumnet Name : P8
Client Sample ID : SC-4-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:54:18 DataFile Name : 043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	31.95	32.27	32.78	32.33	1.29	ppb
Lead	208-1	32.28	32.68	33.24	32.73	1.47	ppb
Lithium	6-1				102		%
Magnesium	24-2	7651.10	7470.86	7673.43	7598.46	1.46	ppb
Manganese	55-2	317.37	308.73	317.33	314.48	1.58	ppb
Molybdenum	94-1	58.11	58.39	58.19	58.23	0.24	ppb
Molybdenum	95-1	14.27	14.49	14.34	14.36	0.80	ppb
Molybdenum	96-1	18.89	20.18	18.85	19.31	3.93	ppb
Molybdenum	97-1	14.29	14.36	14.07	14.24	1.04	ppb
Molybdenum	98-1	14.18	14.24	14.20	14.21	0.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	29.19	28.40	28.88	28.82	1.39	ppb
Phosphorus	31-2	221.55	236.35	187.78	215.22	11.57	ppb
Potassium	39-2	3725.75	3605.70	3704.08	3678.51	1.74	ppb
Rhodium	103-1				100		%
Rhodium	103-2				98		%
Scandium	45-1				106		%
Scandium	45-2				105		%
Selenium	82-1	1.67	2.29	2.04	2.00	15.51	ppb
Selenium	77-2	56.86	62.29	60.11	59.75	4.58	ppb
Selenium	78-2	9.42	9.06	8.68	9.05	4.11	ppb
Silicon	28-1	251.74	231.71	239.33	240.93	4.19	ppb
Silver	107-1	0.14	0.14	0.14	0.14	0.82	ppb
Silver	109-1	0.11	0.11	0.11	0.11	0.72	ppb
Sodium	23-2	19415.25	18801.48	19363.25	19193.32	1.77	ppb
Strontium	86-1	1122.98	1153.08	1115.68	1130.58	1.75	ppb
Strontium	88-1	1147.37	1146.70	1149.52	1147.86	0.13	ppb
Sulfur	34-1	53300.70	52634.53	52086.52	52673.92	1.15	ppb
Terbium	159-1				107		%
Terbium	159-2				99		%
Thallium	203-1	0.33	0.34	0.34	0.34	2.27	ppb
Thallium	205-1	0.33	0.33	0.34	0.33	1.27	ppb
Tin	118-1	3.93	4.46	3.76	4.05	9.08	ppb
Titanium	47-1	359.88	231.78	216.86	269.50	29.17	ppb
Uranium	238-1	4.41	4.52	4.57	4.50	1.80	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-01 Instrumnet Name : P8
Client Sample ID : SC-4-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:54:18 DataFile Name : 043AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	87.98	85.38	87.65	87.00	1.63	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				107		%
Zinc	66-2	111.30	108.26	112.97	110.85	2.15	ppb
Zirconium	90-1	24.89	25.63	25.25	25.26	1.46	ppb
Zirconium	91-1	25.30	25.78	25.36	25.48	1.04	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV03 Instrumnet Name : P8
Client Sample ID : CCV03 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:57:32 DataFile Name : 044CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	47849.27	47244.44	50360.90	48484.87	3.41	ppb
Antimony	121-1	480.65	500.96	497.41	493.01	2.20	ppb
Arsenic	75-2	474.87	460.76	503.46	479.70	4.54	ppb
Barium	135-1	2430.14	2534.85	2512.90	2492.63	2.22	ppb
Barium	137-1	2450.84	2507.45	2555.36	2504.55	2.09	ppb
Beryllium	9-1	525.22	521.58	529.19	525.33	0.72	ppb
Bismuth	209-1				91		%
Bismuth	209-2				88		%
Bromine	81-1						cps
Cadmium	108-1	482.97	495.78	501.88	493.54	1.96	ppb
Cadmium	106-1	480.79	495.76	503.21	493.25	2.32	ppb
Cadmium	111-1	475.18	495.69	492.25	487.71	2.25	ppb
Calcium	43-1	230526.07	233431.40	236688.84	233548.77	1.32	ppb
Calcium	44-1	233471.26	231330.28	240827.73	235209.76	2.12	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	506.31	485.88	516.55	502.91	3.11	ppb
Cobalt	59-2	481.94	468.04	504.25	484.75	3.77	ppb
Copper	63-2	4862.14	4709.03	5046.51	4872.56	3.47	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				98		%
Holmium	165-2				98		%
Indium	115-1				89		%
Indium	115-2				88		%
Iron	54-2	126636.60	121752.55	130267.97	126219.04	3.39	ppb
Iron	56-2	123761.47	121259.08	128593.48	124538.01	2.99	ppb
Iron	57-2	121846.09	120703.53	129331.57	123960.40	3.78	ppb
Krypton	83-1						cps
Lead	206-1	2504.64	2539.40	2576.35	2540.13	1.41	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV03 Instrumnet Name : P8
Client Sample ID : CCV03 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:57:32 DataFile Name : 044CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2534.74	2510.46	2537.28	2527.49	0.59	ppb
Lead	208-1	2528.19	2511.57	2553.90	2531.22	0.84	ppb
Lithium	6-1				89		%
Magnesium	24-2	233707.65	232427.99	249221.46	238452.37	3.92	ppb
Manganese	55-2	4910.79	4805.84	5122.96	4946.53	3.27	ppb
Molybdenum	94-1	4896.09	5028.99	5063.07	4996.05	1.77	ppb
Molybdenum	95-1	4850.69	5102.26	5056.00	5002.98	2.68	ppb
Molybdenum	96-1	4901.56	5061.29	4985.25	4982.70	1.60	ppb
Molybdenum	97-1	4913.54	5024.48	5033.14	4990.39	1.34	ppb
Molybdenum	98-1	4903.59	5049.23	5114.38	5022.40	2.15	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	451.61	435.33	466.34	451.09	3.44	ppb
Phosphorus	31-2	9624.54	9501.24	10115.56	9747.11	3.33	ppb
Potassium	39-2	127654.49	121555.44	133202.26	127470.73	4.57	ppb
Rhodium	103-1				85		%
Rhodium	103-2				88		%
Scandium	45-1				93		%
Scandium	45-2				97		%
Selenium	82-1	478.35	493.10	492.99	488.15	1.74	ppb
Selenium	77-2	473.02	454.70	535.13	487.62	8.64	ppb
Selenium	78-2	485.38	457.66	487.55	476.86	3.50	ppb
Silicon	28-1	492.59	486.29	505.25	494.71	1.95	ppb
Silver	107-1	471.53	496.54	484.28	484.11	2.58	ppb
Silver	109-1	470.26	481.99	483.11	478.45	1.49	ppb
Sodium	23-2	231789.91	225456.40	244276.09	233840.80	4.10	ppb
Strontium	86-1	12183.85	12530.95	12689.04	12467.95	2.07	ppb
Strontium	88-1	12341.55	12712.50	12741.81	12598.62	1.77	ppb
Sulfur	34-1	10258.27	9689.14	10746.55	10231.32	5.17	ppb
Terbium	159-1				98		%
Terbium	159-2				96		%
Thallium	203-1	504.80	511.91	503.89	506.87	0.87	ppb
Thallium	205-1	503.32	515.14	514.89	511.12	1.32	ppb
Tin	118-1	486.54	496.91	490.92	491.46	1.06	ppb
Titanium	47-1	4914.03	4983.44	5131.20	5009.56	2.21	ppb
Uranium	238-1	518.50	510.29	525.45	518.08	1.46	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV03 Instrumnet Name : P8
Client Sample ID : CCV03 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:57:32 DataFile Name : 044CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	502.69	487.31	522.93	504.31	3.54	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				96		%
Yttrium	89-2				97		%
Zinc	66-2	4981.27	4837.14	5144.89	4987.77	3.09	ppb
Zirconium	90-1	492.15	505.77	511.97	503.30	2.01	ppb
Zirconium	91-1	491.52	512.20	513.08	505.60	2.41	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB03 Instrumnet Name : P8
Client Sample ID : CCB03 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:28:54 DataFile Name : 050CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	-0.13	-0.02	-0.05	-0.07		ppb
Antimony	121-1	0.00	0.00	0.00	0.00	3.19	ppb
Arsenic	75-2	-0.01	0.00	-0.01	-0.01		ppb
Barium	135-1	0.04	0.02	0.03	0.03	29.24	ppb
Barium	137-1	0.03	0.02	0.01	0.02	34.20	ppb
Beryllium	9-1	0.00	0.00	0.00	0.00	497.06	ppb
Bismuth	209-1				105		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	-0.02	-0.06	-0.06	-0.05		ppb
Cadmium	106-1	-2.30	-2.28	-2.33	-2.30		ppb
Cadmium	111-1	-0.17	-0.18	-0.18	-0.18		ppb
Calcium	43-1	45.28	45.95	43.97	45.07	2.24	ppb
Calcium	44-1	42.20	45.31	44.25	43.92	3.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.05	0.07	0.07	0.06	14.07	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.07	0.05	0.04	0.05	23.49	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				105		%
Holmium	165-2				100		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	54-2	-1.42	-1.25	-1.55	-1.41		ppb
Iron	56-2	0.93	0.79	0.96	0.89	10.31	ppb
Iron	57-2	0.52	0.72	0.85	0.70	24.07	ppb
Krypton	83-1						cps
Lead	206-1	0.01	0.01	0.01	0.01	19.60	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB03 Instrumnet Name : P8
Client Sample ID : CCB03 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:28:54 DataFile Name : 050CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.01	0.01	0.00	0.01	43.55	ppb
Lead	208-1	0.01	0.01	0.01	0.01	5.06	ppb
Lithium	6-1				99		%
Magnesium	24-2	0.12	-0.11	0.46	0.16	185.45	ppb
Manganese	55-2	-1.39	-1.45	-1.36	-1.40		ppb
Molybdenum	94-1	0.01	0.01	0.00	0.01	69.36	ppb
Molybdenum	95-1	0.00	0.00	0.01	0.00	45.48	ppb
Molybdenum	96-1	0.00	-0.01	0.00	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	77.71	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.06	0.06	0.04	0.05	23.75	ppb
Phosphorus	31-2	-118.92	-120.80	-118.07	-119.26		ppb
Potassium	39-2	9.26	9.73	10.95	9.98	8.73	ppb
Rhodium	103-1				99		%
Rhodium	103-2				100		%
Scandium	45-1				99		%
Scandium	45-2				98		%
Selenium	82-1	0.09	-0.25	0.10	-0.02		ppb
Selenium	77-2	0.00	0.00	0.00	0.00	N/A	ppb
Selenium	78-2	-0.30	-0.01	-0.61	-0.31		ppb
Silicon	28-1	-1.14	-1.04	-1.04	-1.08		ppb
Silver	107-1	0.00	0.00	0.00	0.00	88.51	ppb
Silver	109-1	0.00	0.00	0.00	0.00	46.26	ppb
Sodium	23-2	9.33	9.54	9.58	9.48	1.41	ppb
Strontium	86-1	0.62	0.60	0.59	0.60	2.62	ppb
Strontium	88-1	0.62	0.65	0.74	0.67	9.02	ppb
Sulfur	34-1	-1372.18	-1168.47	-1224.03	-1254.89		ppb
Terbium	159-1				104		%
Terbium	159-2				98		%
Thallium	203-1	0.00	0.00	0.00	0.00	142.20	ppb
Thallium	205-1	0.00	0.00	0.00	0.00	121.78	ppb
Tin	118-1	0.16	0.15	0.14	0.15	5.82	ppb
Titanium	47-1	-0.02	0.03	0.01	0.01	319.09	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB03 Instrumnet Name : P8
Client Sample ID : CCB03 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:28:54 DataFile Name : 050CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	2.50	2.26	2.53	2.43	6.15	ppb
Zirconium	90-1	0.00	0.00	0.00	0.00	417.88	ppb
Zirconium	91-1	-0.01	0.00	0.00	0.00		ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-02 Instrumnet Name : P8
Client Sample ID : SC-3-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:32:46 DataFile Name : 051AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	56371.67	54765.24	55319.63	55485.52	1.47	ppb
Antimony	121-1	0.05	0.06	0.06	0.06	5.74	ppb
Arsenic	75-2	46.75	44.69	46.23	45.89	2.34	ppb
Barium	135-1	217.59	222.45	220.83	220.29	1.12	ppb
Barium	137-1	233.16	232.87	232.45	232.83	0.15	ppb
Beryllium	9-1	2.14	2.18	2.11	2.14	1.55	ppb
Bismuth	209-1				103		%
Bismuth	209-2				97		%
Bromine	81-1						cps
Cadmium	108-1	6.53	6.83	6.48	6.61	2.82	ppb
Cadmium	106-1	11.39	11.97	11.34	11.57	3.05	ppb
Cadmium	111-1	0.65	0.69	0.65	0.66	3.29	ppb
Calcium	43-1	2247.74	2296.41	2230.67	2258.27	1.51	ppb
Calcium	44-1	2272.74	2270.14	2270.07	2270.98	0.07	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	117.13	115.53	114.24	115.63	1.26	ppb
Cobalt	59-2	19.87	19.41	19.08	19.45	2.04	ppb
Copper	63-2	73.81	73.10	70.93	72.62	2.07	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				102		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	54-2	86550.79	86190.67	84714.84	85818.77	1.13	ppb
Iron	56-2	85922.82	86100.57	84929.50	85650.96	0.74	ppb
Iron	57-2	86593.43	85492.08	83870.59	85318.70	1.61	ppb
Krypton	83-1						cps
Lead	206-1	50.65	50.24	51.39	50.76	1.14	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-02 Instrumnet Name : P8
Client Sample ID : SC-3-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:32:46 DataFile Name : 051AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	48.89	49.47	50.18	49.52	1.31	ppb
Lead	208-1	51.55	51.87	52.34	51.92	0.76	ppb
Lithium	6-1				103		%
Magnesium	24-2	14184.83	14087.95	13870.75	14047.84	1.14	ppb
Manganese	55-2	449.56	451.07	443.49	448.04	0.90	ppb
Molybdenum	94-1	96.51	94.18	94.75	95.15	1.28	ppb
Molybdenum	95-1	2.02	2.00	2.08	2.03	2.05	ppb
Molybdenum	96-1	12.03	12.04	11.95	12.01	0.41	ppb
Molybdenum	97-1	2.06	2.10	2.06	2.07	1.21	ppb
Molybdenum	98-1	2.05	2.04	2.03	2.04	0.34	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	57.96	57.01	55.87	56.95	1.84	ppb
Phosphorus	31-2	729.56	686.11	712.55	709.41	3.09	ppb
Potassium	39-2	7820.59	7700.78	7355.41	7625.59	3.17	ppb
Rhodium	103-1				98		%
Rhodium	103-2				96		%
Scandium	45-1				109		%
Scandium	45-2				107		%
Selenium	82-1	1.93	2.02	2.12	2.02	4.73	ppb
Selenium	77-2	99.50	77.56	72.33	83.13	17.34	ppb
Selenium	78-2	12.09	9.55	10.06	10.57	12.71	ppb
Silicon	28-1	368.64	409.44	332.38	370.16	10.41	ppb
Silver	107-1	0.17	0.18	0.17	0.18	2.58	ppb
Silver	109-1	0.10	0.10	0.11	0.11	4.21	ppb
Sodium	23-2	16045.46	15558.73	15707.95	15770.71	1.58	ppb
Strontium	86-1	1137.51	1121.27	1160.78	1139.86	1.74	ppb
Strontium	88-1	1145.74	1134.32	1153.98	1144.68	0.86	ppb
Sulfur	34-1	1806.78	1927.82	1689.25	1807.95	6.60	ppb
Terbium	159-1				107		%
Terbium	159-2				100		%
Thallium	203-1	0.49	0.47	0.49	0.48	2.46	ppb
Thallium	205-1	0.49	0.49	0.49	0.49	0.72	ppb
Tin	118-1	3.36	3.39	3.64	3.46	4.49	ppb
Titanium	47-1	413.10	413.91	397.61	408.20	2.25	ppb
Uranium	238-1	4.90	4.95	5.00	4.95	1.03	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-02 Instrumnet Name : P8
Client Sample ID : SC-3-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:32:46 DataFile Name : 051AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	163.96	164.92	163.66	164.18	0.40	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				113		%
Yttrium	89-2				108		%
Zinc	66-2	208.19	206.80	203.17	206.05	1.26	ppb
Zirconium	90-1	51.77	53.00	53.29	52.69	1.53	ppb
Zirconium	91-1	50.53	50.12	50.30	50.32	0.40	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-03 Instrumnet Name : P8
Client Sample ID : SC-2-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:35:53 DataFile Name : 052AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6157.16	6085.07	6142.08	6128.10	0.62	ppb
Antimony	121-1	0.05	0.06	0.06	0.05	8.97	ppb
Arsenic	75-2	7.22	6.61	7.23	7.02	5.07	ppb
Barium	135-1	70.05	71.79	70.77	70.87	1.23	ppb
Barium	137-1	70.92	72.27	71.85	71.68	0.97	ppb
Beryllium	9-1	0.48	0.50	0.51	0.50	2.29	ppb
Bismuth	209-1				105		%
Bismuth	209-2				99		%
Bromine	81-1						cps
Cadmium	108-1	1.08	1.18	1.25	1.17	7.42	ppb
Cadmium	106-1	-0.38	0.22	-0.20	-0.12		ppb
Cadmium	111-1	0.04	0.07	0.06	0.06	26.08	ppb
Calcium	43-1	1584.32	1605.71	1614.15	1601.39	0.96	ppb
Calcium	44-1	1593.00	1610.91	1620.29	1608.07	0.86	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	18.98	18.79	18.99	18.92	0.58	ppb
Cobalt	59-2	5.14	5.08	5.09	5.10	0.59	ppb
Copper	63-2	11.95	11.99	12.01	11.98	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				106		%
Holmium	165-2				102		%
Indium	115-1				101		%
Indium	115-2				97		%
Iron	54-2	10334.21	10261.41	10348.86	10314.83	0.45	ppb
Iron	56-2	10404.90	10199.25	9911.65	10171.93	2.44	ppb
Iron	57-2	10014.98	9892.79	9907.32	9938.36	0.67	ppb
Krypton	83-1						cps
Lead	206-1	19.96	20.28	19.92	20.05	0.98	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-03 Instrumnet Name : P8
Client Sample ID : SC-2-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:35:53 DataFile Name : 052AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	19.08	19.47	19.39	19.31	1.06	ppb
Lead	208-1	19.42	19.84	19.55	19.60	1.09	ppb
Lithium	6-1				100		%
Magnesium	24-2	3094.25	3057.74	3105.57	3085.86	0.81	ppb
Manganese	55-2	118.95	117.24	116.49	117.56	1.07	ppb
Molybdenum	94-1	16.95	17.29	17.10	17.12	0.99	ppb
Molybdenum	95-1	2.90	2.94	2.96	2.93	1.08	ppb
Molybdenum	96-1	4.34	4.30	4.38	4.34	0.84	ppb
Molybdenum	97-1	2.98	2.93	2.91	2.94	1.28	ppb
Molybdenum	98-1	2.95	2.93	2.89	2.92	1.04	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	9.74	9.88	10.01	9.87	1.35	ppb
Phosphorus	31-2	43.49	28.83	36.36	36.23	20.24	ppb
Potassium	39-2	1711.70	1692.36	1681.57	1695.21	0.90	ppb
Rhodium	103-1				98		%
Rhodium	103-2				100		%
Scandium	45-1				102		%
Scandium	45-2				99		%
Selenium	82-1	0.80	0.78	0.67	0.75	9.06	ppb
Selenium	77-2	18.17	15.18	13.87	15.74	14.00	ppb
Selenium	78-2	2.96	2.56	1.53	2.35	31.32	ppb
Silicon	28-1	121.12	112.51	411.39	215.01	79.13	ppb
Silver	107-1	0.06	0.07	0.06	0.06	1.98	ppb
Silver	109-1	0.06	0.05	0.06	0.06	3.72	ppb
Sodium	23-2	15214.30	15297.51	15410.92	15307.58	0.64	ppb
Strontium	86-1	603.52	583.87	582.31	589.90	2.00	ppb
Strontium	88-1	617.05	613.23	613.08	614.45	0.37	ppb
Sulfur	34-1	5480.71	5488.42	5485.51	5484.88	0.07	ppb
Terbium	159-1				105		%
Terbium	159-2				101		%
Thallium	203-1	0.16	0.17	0.17	0.17	2.87	ppb
Thallium	205-1	0.17	0.17	0.16	0.17	2.57	ppb
Tin	118-1	4.03	4.05	4.49	4.19	6.27	ppb
Titanium	47-1	143.13	139.54	146.70	143.12	2.50	ppb
Uranium	238-1	1.22	1.23	1.20	1.22	0.89	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-03 Instrumnet Name : P8
Client Sample ID : SC-2-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:35:53 DataFile Name : 052AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	16.48	16.64	16.53	16.55	0.50	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				105		%
Yttrium	89-2				101		%
Zinc	66-2	68.11	69.23	66.83	68.06	1.76	ppb
Zirconium	90-1	8.00	7.98	7.86	7.95	0.98	ppb
Zirconium	91-1	7.76	9.39	8.83	8.66	9.58	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:39:09 DataFile Name : 053AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	32329.55	33768.64	31275.78	32457.99	3.86	ppb
Antimony	121-1	20.11	21.38	21.41	20.97	3.54	ppb
Arsenic	75-2	24.02	25.90	23.74	24.55	4.79	ppb
Barium	135-1	67.49	72.88	71.65	70.67	4.00	ppb
Barium	137-1	69.38	73.22	71.52	71.38	2.69	ppb
Beryllium	9-1	2.30	2.42	2.33	2.35	2.66	ppb
Bismuth	209-1				105		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	3.73	3.84	3.92	3.83	2.52	ppb
Cadmium	106-1	4.26	6.44	6.52	5.74	22.36	ppb
Cadmium	111-1	0.82	1.05	1.02	0.96	12.82	ppb
Calcium	43-1	4199.39	4296.22	4288.10	4261.24	1.26	ppb
Calcium	44-1	4141.39	4347.84	4234.00	4241.08	2.44	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	52.21	54.67	51.52	52.80	3.13	ppb
Cobalt	59-2	19.03	19.51	18.81	19.11	1.87	ppb
Copper	63-2	36.52	37.54	35.74	36.60	2.47	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				108		%
Holmium	165-2				101		%
Indium	115-1				100		%
Indium	115-2				96		%
Iron	54-2	58814.04	61532.85	58182.75	59509.88	2.99	ppb
Iron	56-2	59342.53	61282.77	58432.16	59685.82	2.44	ppb
Iron	57-2	58757.19	61589.86	57747.62	59364.89	3.36	ppb
Krypton	83-1						cps
Lead	206-1	41.19	42.95	42.36	42.17	2.12	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:39:09 DataFile Name : 053AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	40.30	41.70	40.91	40.97	1.71	ppb
Lead	208-1	42.19	42.01	41.55	41.92	0.79	ppb
Lithium	6-1				101		%
Magnesium	24-2	10156.15	10489.35	9680.48	10108.66	4.02	ppb
Manganese	55-2	495.93	515.45	489.53	500.30	2.70	ppb
Molybdenum	94-1	52.78	54.32	53.32	53.47	1.46	ppb
Molybdenum	95-1	9.39	9.71	9.42	9.50	1.83	ppb
Molybdenum	96-1	13.92	14.62	13.79	14.11	3.14	ppb
Molybdenum	97-1	9.25	9.59	9.36	9.40	1.83	ppb
Molybdenum	98-1	9.21	9.57	9.25	9.35	2.12	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	42.59	44.65	42.33	43.19	2.94	ppb
Phosphorus	31-2	727.92	710.08	652.18	696.73	5.68	ppb
Potassium	39-2	6069.31	6302.30	5977.69	6116.43	2.74	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				104		%
Scandium	45-2				102		%
Selenium	82-1	2.20	2.44	2.53	2.39	7.25	ppb
Selenium	77-2	53.79	62.01	60.28	58.69	7.39	ppb
Selenium	78-2	10.88	11.67	11.80	11.45	4.34	ppb
Silicon	28-1	229.30	198.11	222.41	216.61	7.57	ppb
Silver	107-1	0.17	0.18	0.18	0.18	3.80	ppb
Silver	109-1	0.14	0.15	0.15	0.15	4.96	ppb
Sodium	23-2	22350.30	23288.53	21533.72	22390.85	3.92	ppb
Strontium	86-1	1502.96	1557.33	1507.97	1522.75	1.97	ppb
Strontium	88-1	3194.00	1618.36	1688.55	2166.97	41.08	ppb
Sulfur	34-1	44209.28	46916.34	45482.06	45535.89	2.97	ppb
Terbium	159-1				105		%
Terbium	159-2				100		%
Thallium	203-1	0.61	0.62	0.61	0.61	1.30	ppb
Thallium	205-1	0.59	0.63	0.61	0.61	2.51	ppb
Tin	118-1	2.16	2.31	2.55	2.34	8.37	ppb
Titanium	47-1	233.56	228.93	231.59	231.36	1.00	ppb
Uranium	238-1	6.24	6.46	6.44	6.38	1.89	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:39:09 DataFile Name : 053AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	73.12	75.13	71.37	73.21	2.57	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				107		%
Zinc	66-2	268.19	276.61	262.13	268.97	2.70	ppb
Zirconium	90-1	24.33	25.29	24.30	24.64	2.29	ppb
Zirconium	91-1	24.38	25.46	24.72	24.85	2.21	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04DUP Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625DUP Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:42:21 DataFile Name : 054AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	31438.50	32802.43	33427.12	32556.01	3.12	ppb
Antimony	121-1	2.80	2.94	2.89	2.88	2.62	ppb
Arsenic	75-2	25.07	23.80	25.79	24.89	4.06	ppb
Barium	135-1	68.00	69.91	69.53	69.15	1.46	ppb
Barium	137-1	68.79	70.77	71.21	70.26	1.84	ppb
Beryllium	9-1	2.32	2.42	2.37	2.37	2.17	ppb
Bismuth	209-1				104		%
Bismuth	209-2				98		%
Bromine	81-1						cps
Cadmium	108-1	3.58	4.26	4.13	3.99	9.10	ppb
Cadmium	106-1	5.88	6.93	5.99	6.27	9.16	ppb
Cadmium	111-1	0.92	0.97	0.90	0.93	4.13	ppb
Calcium	43-1	4425.58	4506.52	4564.02	4498.71	1.55	ppb
Calcium	44-1	4382.56	4507.97	4599.46	4496.66	2.42	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	51.08	52.27	53.13	52.16	1.97	ppb
Cobalt	59-2	18.88	18.93	19.49	19.10	1.76	ppb
Copper	63-2	33.87	34.16	35.08	34.37	1.85	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				108		%
Holmium	165-2				104		%
Indium	115-1				100		%
Indium	115-2				98		%
Iron	54-2	60582.69	60803.58	62701.81	61362.69	1.90	ppb
Iron	56-2	59773.41	60972.50	63353.08	61366.33	2.97	ppb
Iron	57-2	60803.32	61815.26	62293.83	61637.47	1.23	ppb
Krypton	83-1						cps
Lead	206-1	37.98	37.98	37.39	37.78	0.90	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04DUP Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625DUP Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:42:21 DataFile Name : 054AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	36.55	36.98	36.11	36.54	1.18	ppb
Lead	208-1	37.27	37.24	36.79	37.10	0.72	ppb
Lithium	6-1				102		%
Magnesium	24-2	9765.50	9964.86	10151.96	9960.77	1.94	ppb
Manganese	55-2	494.17	502.27	515.17	503.87	2.10	ppb
Molybdenum	94-1	55.35	56.20	55.57	55.70	0.79	ppb
Molybdenum	95-1	9.29	9.33	9.15	9.26	1.00	ppb
Molybdenum	96-1	14.14	14.15	14.19	14.16	0.19	ppb
Molybdenum	97-1	9.36	9.23	9.18	9.26	1.02	ppb
Molybdenum	98-1	9.30	9.15	9.25	9.23	0.79	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	40.53	40.87	41.90	41.10	1.74	ppb
Phosphorus	31-2	474.51	488.70	473.70	478.97	1.76	ppb
Potassium	39-2	5564.70	5626.84	5772.23	5654.59	1.88	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				105		%
Scandium	45-2				105		%
Selenium	82-1	2.50	2.41	2.34	2.41	3.39	ppb
Selenium	77-2	57.94	51.65	56.74	55.44	6.02	ppb
Selenium	78-2	10.66	9.77	12.74	11.06	13.80	ppb
Silicon	28-1	250.18	200.74	285.81	245.58	17.40	ppb
Silver	107-1	0.17	0.18	0.18	0.17	2.82	ppb
Silver	109-1	0.14	0.14	0.14	0.14	2.33	ppb
Sodium	23-2	20957.92	20947.60	21723.92	21209.81	2.10	ppb
Strontium	86-1	1571.74	1577.70	1574.34	1574.59	0.19	ppb
Strontium	88-1	1625.35	1685.44	1608.66	1639.82	2.46	ppb
Sulfur	34-1	46267.17	47155.19	48818.70	47413.69	2.73	ppb
Terbium	159-1				106		%
Terbium	159-2				101		%
Thallium	203-1	0.58	0.60	0.58	0.59	1.76	ppb
Thallium	205-1	0.59	0.62	0.59	0.60	2.50	ppb
Tin	118-1	1.89	2.34	2.11	2.12	10.61	ppb
Titanium	47-1	230.50	241.80	246.09	239.46	3.36	ppb
Uranium	238-1	6.37	6.47	6.33	6.39	1.12	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04DUP Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625DUP Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:42:21 DataFile Name : 054AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	70.06	71.08	71.87	71.00	1.28	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				112		%
Yttrium	89-2				109		%
Zinc	66-2	152.81	151.34	155.32	153.16	1.31	ppb
Zirconium	90-1	25.55	26.20	26.64	26.13	2.10	ppb
Zirconium	91-1	26.10	26.17	26.22	26.16	0.23	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04LX5 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625L Dilution Factor : 5
Date & Time Acquired : 2025-05-21 17:45:35 DataFile Name : 055AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	6328.47	6327.72	6295.26	6317.15	0.30	ppb
Antimony	121-1	5.71	5.80	5.87	5.79	1.36	ppb
Arsenic	75-2	4.68	4.73	5.00	4.80	3.53	ppb
Barium	135-1	13.65	13.95	13.93	13.84	1.20	ppb
Barium	137-1	14.19	14.01	14.11	14.10	0.63	ppb
Beryllium	9-1	0.43	0.44	0.46	0.44	3.60	ppb
Bismuth	209-1				103		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	0.48	0.77	0.89	0.71	29.88	ppb
Cadmium	106-1	-0.12	-0.65	-0.58	-0.45		ppb
Cadmium	111-1	0.09	0.05	0.05	0.06	38.44	ppb
Calcium	43-1	796.05	811.03	825.52	810.87	1.82	ppb
Calcium	44-1	814.62	807.62	816.71	812.98	0.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	10.30	10.39	10.19	10.29	0.99	ppb
Cobalt	59-2	3.74	3.79	3.76	3.76	0.69	ppb
Copper	63-2	7.39	7.43	7.41	7.41	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				105		%
Holmium	165-2				99		%
Indium	115-1				99		%
Indium	115-2				94		%
Iron	54-2	12075.71	11956.57	11859.70	11963.99	0.90	ppb
Iron	56-2	11560.86	11524.16	11427.71	11504.24	0.60	ppb
Iron	57-2	11348.85	11357.37	11101.02	11269.08	1.29	ppb
Krypton	83-1						cps
Lead	206-1	8.33	8.63	8.71	8.56	2.32	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04LX5 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625L Dilution Factor : 5
Date & Time Acquired : 2025-05-21 17:45:35 DataFile Name : 055AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	8.22	8.40	8.46	8.36	1.52	ppb
Lead	208-1	8.27	8.53	8.56	8.45	1.89	ppb
Lithium	6-1				101		%
Magnesium	24-2	2050.62	2053.13	2042.46	2048.74	0.27	ppb
Manganese	55-2	96.56	98.71	96.38	97.22	1.33	ppb
Molybdenum	94-1	10.46	10.72	11.64	10.94	5.66	ppb
Molybdenum	95-1	1.95	1.94	1.97	1.95	0.71	ppb
Molybdenum	96-1	2.82	2.90	2.89	2.87	1.52	ppb
Molybdenum	97-1	1.99	1.93	1.93	1.95	1.86	ppb
Molybdenum	98-1	1.91	1.95	1.96	1.94	1.13	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	8.64	8.87	8.57	8.69	1.82	ppb
Phosphorus	31-2	62.91	62.60	54.86	60.12	7.58	ppb
Potassium	39-2	1257.64	1244.47	1256.74	1252.95	0.59	ppb
Rhodium	103-1				97		%
Rhodium	103-2				98		%
Scandium	45-1				98		%
Scandium	45-2				97		%
Selenium	82-1	0.32	0.35	0.56	0.41	32.14	ppb
Selenium	77-2	10.90	13.17	12.73	12.27	9.80	ppb
Selenium	78-2	1.56	0.96	3.68	2.07	69.08	ppb
Silicon	28-1	29.24	48.23	60.09	45.85	33.94	ppb
Silver	107-1	0.04	0.04	0.04	0.04	7.05	ppb
Silver	109-1	0.03	0.03	0.03	0.03	6.73	ppb
Sodium	23-2	4599.32	4593.66	4599.14	4597.37	0.07	ppb
Strontium	86-1	301.65	309.48	307.60	306.24	1.34	ppb
Strontium	88-1	306.10	308.90	311.44	308.81	0.86	ppb
Sulfur	34-1	8086.92	7880.53	7898.27	7955.24	1.44	ppb
Terbium	159-1				101		%
Terbium	159-2				96		%
Thallium	203-1	0.12	0.12	0.12	0.12	1.44	ppb
Thallium	205-1	0.12	0.12	0.12	0.12	0.53	ppb
Tin	118-1	0.43	0.63	0.45	0.50	21.40	ppb
Titanium	47-1	50.90	46.68	58.21	51.93	11.24	ppb
Uranium	238-1	1.21	1.23	1.21	1.21	0.86	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04LX5 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625L Dilution Factor : 5
Date & Time Acquired : 2025-05-21 17:45:35 DataFile Name : 055AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	14.79	14.66	14.35	14.60	1.55	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				102		%
Yttrium	89-2				99		%
Zinc	66-2	66.02	65.61	65.11	65.58	0.70	ppb
Zirconium	90-1	5.29	4.97	4.93	5.07	3.93	ppb
Zirconium	91-1	4.80	4.85	5.10	4.92	3.24	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-05 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625MS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:48:50 DataFile Name : 056AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52855.74	53325.48	53396.72	53192.65	0.55	ppb
Antimony	121-1	474.16	478.09	475.43	475.89	0.42	ppb
Arsenic	75-2	32.11	31.82	31.77	31.90	0.58	ppb
Barium	135-1	2262.93	2268.60	2226.24	2252.59	1.02	ppb
Barium	137-1	2279.87	2314.29	2237.17	2277.11	1.70	ppb
Beryllium	9-1	490.76	490.56	499.34	493.56	1.02	ppb
Bismuth	209-1				98		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	461.84	460.40	455.45	459.23	0.73	ppb
Cadmium	106-1	481.17	488.71	481.36	483.75	0.89	ppb
Cadmium	111-1	477.37	487.04	477.06	480.49	1.18	ppb
Calcium	43-1	49041.31	49007.30	49220.96	49089.86	0.23	ppb
Calcium	44-1	49180.65	49598.12	49724.53	49501.10	0.57	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	528.35	526.80	538.41	531.19	1.19	ppb
Cobalt	59-2	480.97	485.47	502.85	489.76	2.36	ppb
Copper	63-2	4681.85	4659.89	4751.17	4697.63	1.01	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				106		%
Holmium	165-2				99		%
Indium	115-1				96		%
Indium	115-2				91		%
Iron	54-2	119652.54	121002.72	122411.05	121022.10	1.14	ppb
Iron	56-2	118455.18	118497.22	119919.50	118957.30	0.70	ppb
Iron	57-2	119303.09	118105.31	120259.83	119222.74	0.91	ppb
Krypton	83-1						cps
Lead	206-1	2427.36	2474.00	2443.30	2448.22	0.97	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-05 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625MS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:48:50 DataFile Name : 056AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2458.30	2521.50	2441.51	2473.77	1.71	ppb
Lead	208-1	2455.26	2484.91	2440.88	2460.35	0.91	ppb
Lithium	6-1				95		%
Magnesium	24-2	59571.14	59836.53	60795.30	60067.65	1.07	ppb
Manganese	55-2	5450.47	5498.17	5455.12	5467.92	0.48	ppb
Molybdenum	94-1	2128.00	2118.26	2107.43	2117.89	0.49	ppb
Molybdenum	95-1	1544.96	1526.00	1527.21	1532.72	0.69	ppb
Molybdenum	96-1	1596.96	1596.79	1591.32	1595.02	0.20	ppb
Molybdenum	97-1	1542.55	1531.69	1521.83	1532.03	0.68	ppb
Molybdenum	98-1	1567.86	1552.72	1530.76	1550.45	1.20	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	478.73	486.84	491.82	485.80	1.36	ppb
Phosphorus	31-2	677.68	623.44	690.02	663.71	5.34	ppb
Potassium	39-2	27987.76	28486.21	28512.33	28328.77	1.04	ppb
Rhodium	103-1				94		%
Rhodium	103-2				92		%
Scandium	45-1				104		%
Scandium	45-2				104		%
Selenium	82-1	441.64	439.35	430.19	437.06	1.39	ppb
Selenium	77-2	535.45	495.57	534.97	522.00	4.38	ppb
Selenium	78-2	469.63	453.08	454.97	459.23	1.97	ppb
Silicon	28-1	274.59	333.23	338.74	315.52	11.27	ppb
Silver	107-1	82.91	83.79	82.98	83.23	0.59	ppb
Silver	109-1	82.95	83.32	80.38	82.22	1.94	ppb
Sodium	23-2	66222.90	67671.64	67489.08	67127.87	1.18	ppb
Strontium	86-1	14304.99	14346.78	14396.35	14349.37	0.32	ppb
Strontium	88-1	14309.50	14230.40	14056.06	14198.65	0.91	ppb
Sulfur	34-1	84384.47	83278.79	84047.19	83903.48	0.68	ppb
Terbium	159-1				102		%
Terbium	159-2				98		%
Thallium	203-1	463.47	476.79	470.66	470.31	1.42	ppb
Thallium	205-1	462.19	479.29	469.50	470.33	1.82	ppb
Tin	118-1	429.45	428.83	430.87	429.72	0.24	ppb
Titanium	47-1	424.15	478.69	416.78	439.87	7.69	ppb
Uranium	238-1	479.35	485.31	480.35	481.67	0.66	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-05 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625MS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:48:50 DataFile Name : 056AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	577.73	572.04	580.72	576.83	0.76	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				114		%
Yttrium	89-2				108		%
Zinc	66-2	4937.88	5012.73	4979.83	4976.81	0.75	ppb
Zirconium	90-1	461.59	455.77	459.38	458.92	0.64	ppb
Zirconium	91-1	472.26	459.07	458.63	463.32	1.67	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-06 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625MSD Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:51:33 DataFile Name : 057AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52463.31	52574.96	52373.46	52470.58	0.19	ppb
Antimony	121-1	477.74	483.79	488.73	483.42	1.14	ppb
Arsenic	75-2	29.66	31.32	30.31	30.43	2.76	ppb
Barium	135-1	2186.69	2258.89	2278.45	2241.34	2.16	ppb
Barium	137-1	2230.51	2263.03	2319.04	2270.86	1.97	ppb
Beryllium	9-1	487.46	495.15	507.30	496.64	2.01	ppb
Bismuth	209-1				99		%
Bismuth	209-2				91		%
Bromine	81-1						cps
Cadmium	108-1	446.12	466.38	467.62	460.04	2.62	ppb
Cadmium	106-1	479.84	496.48	505.48	493.93	2.63	ppb
Cadmium	111-1	480.60	490.44	499.52	490.18	1.93	ppb
Calcium	43-1	49838.48	50992.11	49626.10	50152.23	1.47	ppb
Calcium	44-1	49734.27	50239.32	49534.14	49835.91	0.73	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	535.68	532.52	545.96	538.05	1.31	ppb
Cobalt	59-2	498.16	499.20	494.32	497.22	0.52	ppb
Copper	63-2	4839.23	4824.14	4772.01	4811.79	0.73	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				105		%
Holmium	165-2				100		%
Indium	115-1				96		%
Indium	115-2				91		%
Iron	54-2	131876.52	129755.52	132243.85	131291.96	1.02	ppb
Iron	56-2	130828.58	129152.44	130923.30	130301.44	0.76	ppb
Iron	57-2	129294.31	131427.80	128818.26	129846.79	1.07	ppb
Krypton	83-1						cps
Lead	206-1	2463.55	2472.83	2458.23	2464.87	0.30	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-06 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625MSD Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:51:33 DataFile Name : 057AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2474.69	2464.13	2490.31	2476.38	0.53	ppb
Lead	208-1	2462.74	2466.70	2486.85	2472.10	0.52	ppb
Lithium	6-1				95		%
Magnesium	24-2	60728.64	60385.12	60444.73	60519.50	0.30	ppb
Manganese	55-2	5592.15	5505.09	5563.81	5553.69	0.80	ppb
Molybdenum	94-1	2118.65	2143.44	2133.07	2131.72	0.58	ppb
Molybdenum	95-1	1535.64	1599.29	1555.04	1563.32	2.09	ppb
Molybdenum	96-1	1597.14	1645.14	1604.44	1615.57	1.60	ppb
Molybdenum	97-1	1543.36	1580.59	1543.60	1555.85	1.38	ppb
Molybdenum	98-1	1554.77	1576.06	1568.12	1566.31	0.69	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	493.14	496.72	494.11	494.65	0.37	ppb
Phosphorus	31-2	658.15	651.70	706.50	672.12	4.46	ppb
Potassium	39-2	28497.71	28204.13	28592.91	28431.58	0.71	ppb
Rhodium	103-1				93		%
Rhodium	103-2				93		%
Scandium	45-1				104		%
Scandium	45-2				104		%
Selenium	82-1	440.64	444.85	446.04	443.84	0.64	ppb
Selenium	77-2	518.91	523.11	562.63	534.88	4.51	ppb
Selenium	78-2	456.21	457.39	452.81	455.47	0.52	ppb
Silicon	28-1	309.05	298.12	407.89	338.35	17.87	ppb
Silver	107-1	83.36	85.71	86.26	85.11	1.81	ppb
Silver	109-1	83.24	86.55	84.19	84.66	2.01	ppb
Sodium	23-2	66084.28	64919.13	65865.57	65622.99	0.94	ppb
Strontium	86-1	15065.34	14380.32	14610.72	14685.46	2.37	ppb
Strontium	88-1	14375.08	14563.86	14323.67	14420.87	0.88	ppb
Sulfur	34-1	92851.50	94039.59	91306.52	92732.54	1.48	ppb
Terbium	159-1				103		%
Terbium	159-2				97		%
Thallium	203-1	463.41	481.57	476.12	473.70	1.97	ppb
Thallium	205-1	461.75	480.47	473.57	471.93	2.01	ppb
Tin	118-1	426.56	434.78	440.48	433.94	1.61	ppb
Titanium	47-1	410.39	428.18	433.65	424.08	2.87	ppb
Uranium	238-1	475.93	476.95	482.00	478.29	0.68	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-06 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625MSD Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:51:33 DataFile Name : 057AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	597.85	596.75	593.58	596.06	0.37	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				114		%
Yttrium	89-2				110		%
Zinc	66-2	5064.56	5044.96	5004.86	5038.13	0.60	ppb
Zirconium	90-1	466.66	473.70	473.12	471.16	0.83	ppb
Zirconium	91-1	468.38	486.50	476.63	477.17	1.90	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04A Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625A Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:54:14 DataFile Name : 058AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	52447.25	52249.00	53521.27	52739.17	1.30	ppb
Antimony	121-1	475.33	478.73	482.72	478.93	0.77	ppb
Arsenic	75-2	29.51	30.72	30.78	30.34	2.35	ppb
Barium	135-1	2251.97	2252.54	2251.90	2252.14	0.02	ppb
Barium	137-1	2260.75	2261.74	2287.00	2269.83	0.66	ppb
Beryllium	9-1	500.22	495.93	509.67	501.94	1.40	ppb
Bismuth	209-1				98		%
Bismuth	209-2				92		%
Bromine	81-1						cps
Cadmium	108-1	455.23	463.57	458.57	459.12	0.91	ppb
Cadmium	106-1	487.43	483.62	485.93	485.66	0.40	ppb
Cadmium	111-1	475.17	483.07	484.25	480.83	1.03	ppb
Calcium	43-1	49054.69	49610.61	49359.47	49341.59	0.56	ppb
Calcium	44-1	48913.47	49996.81	49057.45	49322.58	1.19	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	524.20	529.61	537.26	530.36	1.24	ppb
Cobalt	59-2	499.68	494.76	506.64	500.36	1.19	ppb
Copper	63-2	4763.42	4777.83	4776.07	4772.44	0.16	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				100		%
Indium	115-1				96		%
Indium	115-2				91		%
Iron	54-2	129106.81	126948.89	128696.41	128250.70	0.89	ppb
Iron	56-2	128541.23	126153.39	130213.50	128302.71	1.59	ppb
Iron	57-2	129155.62	127881.26	132423.01	129819.96	1.80	ppb
Krypton	83-1						cps
Lead	206-1	2415.96	2469.80	2371.01	2418.92	2.04	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04A Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625A Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:54:14 DataFile Name : 058AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2445.26	2524.66	2437.30	2469.07	1.96	ppb
Lead	208-1	2445.58	2487.93	2438.06	2457.19	1.09	ppb
Lithium	6-1				94		%
Magnesium	24-2	59666.51	60651.97	60582.36	60300.28	0.91	ppb
Manganese	55-2	5453.54	5436.19	5523.73	5471.15	0.85	ppb
Molybdenum	94-1	2115.40	2129.20	2141.52	2128.71	0.61	ppb
Molybdenum	95-1	1551.74	1551.14	1554.11	1552.33	0.10	ppb
Molybdenum	96-1	1605.60	1616.90	1611.05	1611.18	0.35	ppb
Molybdenum	97-1	1537.57	1558.35	1554.95	1550.29	0.72	ppb
Molybdenum	98-1	1525.10	1562.91	1545.98	1544.66	1.23	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	488.14	489.65	491.07	489.62	0.30	ppb
Phosphorus	31-2	646.60	695.53	651.39	664.51	4.06	ppb
Potassium	39-2	28371.48	28473.56	28758.23	28534.42	0.70	ppb
Rhodium	103-1				93		%
Rhodium	103-2				92		%
Scandium	45-1				104		%
Scandium	45-2				104		%
Selenium	82-1	442.48	444.70	440.02	442.40	0.53	ppb
Selenium	77-2	500.17	513.29	508.03	507.16	1.30	ppb
Selenium	78-2	454.40	454.71	468.55	459.22	1.76	ppb
Silicon	28-1	255.67	279.59	330.75	288.67	13.29	ppb
Silver	107-1	84.46	84.53	84.67	84.55	0.12	ppb
Silver	109-1	82.49	82.94	84.14	83.19	1.02	ppb
Sodium	23-2	65014.37	65103.07	65823.42	65313.62	0.68	ppb
Strontium	86-1	14242.69	14603.27	14456.26	14434.07	1.26	ppb
Strontium	88-1	14268.99	14430.42	14393.05	14364.15	0.59	ppb
Sulfur	34-1	93533.03	92954.27	91568.82	92685.38	1.09	ppb
Terbium	159-1				104		%
Terbium	159-2				98		%
Thallium	203-1	465.54	483.31	469.73	472.86	1.96	ppb
Thallium	205-1	467.94	479.59	470.62	472.71	1.29	ppb
Tin	118-1	435.45	426.78	427.61	429.95	1.11	ppb
Titanium	47-1	440.79	435.38	432.73	436.30	0.94	ppb
Uranium	238-1	473.30	482.77	480.95	479.01	1.05	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04A Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625A Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:54:14 DataFile Name : 058AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	590.76	580.96	593.62	588.45	1.13	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				114		%
Yttrium	89-2				110		%
Zinc	66-2	5009.02	5068.52	5147.22	5074.92	1.37	ppb
Zirconium	90-1	471.90	467.78	477.48	472.39	1.03	ppb
Zirconium	91-1	476.85	473.16	479.49	476.50	0.67	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-07 Instrumnet Name : P8
Client Sample ID : SC-COMP-SED-051625 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:56:58 DataFile Name : 059AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	29682.08	30018.20	29877.73	29859.34	0.57	ppb
Antimony	121-1	0.08	0.08	0.07	0.07	3.62	ppb
Arsenic	75-2	31.16	31.43	30.94	31.18	0.80	ppb
Barium	135-1	70.22	72.84	71.58	71.55	1.84	ppb
Barium	137-1	70.99	73.30	72.17	72.15	1.60	ppb
Beryllium	9-1	2.17	2.27	2.20	2.21	2.31	ppb
Bismuth	209-1				103		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	4.18	4.09	4.39	4.22	3.65	ppb
Cadmium	106-1	6.75	6.90	6.69	6.78	1.61	ppb
Cadmium	111-1	0.79	0.82	0.79	0.80	2.55	ppb
Calcium	43-1	3060.51	3118.12	3130.51	3103.05	1.20	ppb
Calcium	44-1	3137.36	3155.65	3113.42	3135.48	0.68	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	61.75	62.70	63.13	62.53	1.13	ppb
Cobalt	59-2	16.93	17.08	17.44	17.15	1.54	ppb
Copper	63-2	38.78	39.02	39.54	39.11	1.00	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				102		%
Indium	115-1				100		%
Indium	115-2				97		%
Iron	54-2	63063.83	64953.97	65248.21	64422.00	1.84	ppb
Iron	56-2	64188.19	64745.02	64594.16	64509.12	0.45	ppb
Iron	57-2	63157.93	64536.74	64989.73	64228.13	1.49	ppb
Krypton	83-1						cps
Lead	206-1	35.02	35.19	35.02	35.08	0.29	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-07 Instrumnet Name : P8
Client Sample ID : SC-COMP-SED-051625 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:56:58 DataFile Name : 059AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	33.67	33.95	34.02	33.88	0.54	ppb
Lead	208-1	34.35	34.55	34.25	34.38	0.45	ppb
Lithium	6-1				96		%
Magnesium	24-2	9640.87	9865.17	9929.84	9811.96	1.55	ppb
Manganese	55-2	452.38	454.66	454.71	453.92	0.29	ppb
Molybdenum	94-1	57.54	57.53	58.64	57.90	1.10	ppb
Molybdenum	95-1	9.18	9.18	9.39	9.25	1.29	ppb
Molybdenum	96-1	14.47	14.18	14.56	14.40	1.38	ppb
Molybdenum	97-1	9.17	9.13	9.38	9.23	1.45	ppb
Molybdenum	98-1	9.17	9.24	9.29	9.23	0.65	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	38.53	38.92	38.93	38.79	0.59	ppb
Phosphorus	31-2	417.26	440.88	451.46	436.53	4.01	ppb
Potassium	39-2	5269.11	5239.47	5254.43	5254.34	0.28	ppb
Rhodium	103-1				98		%
Rhodium	103-2				97		%
Scandium	45-1				105		%
Scandium	45-2				102		%
Selenium	82-1	2.26	2.28	1.54	2.02	20.86	ppb
Selenium	77-2	54.70	51.51	45.93	50.71	8.75	ppb
Selenium	78-2	9.96	7.81	7.63	8.47	15.31	ppb
Silicon	28-1	217.26	207.55	265.36	230.06	13.46	ppb
Silver	107-1	0.18	0.18	0.16	0.17	7.83	ppb
Silver	109-1	0.13	0.13	0.12	0.13	3.35	ppb
Sodium	23-2	21854.68	22224.69	21922.40	22000.59	0.90	ppb
Strontium	86-1	1208.78	1218.10	1237.96	1221.62	1.22	ppb
Strontium	88-1	1265.27	1279.61	1285.50	1276.79	0.81	ppb
Sulfur	34-1	37672.45	38797.06	38117.93	38195.82	1.48	ppb
Terbium	159-1				104		%
Terbium	159-2				99		%
Thallium	203-1	0.68	0.67	0.65	0.67	2.48	ppb
Thallium	205-1	0.69	0.68	0.66	0.68	2.49	ppb
Tin	118-1	3.65	3.55	3.64	3.61	1.58	ppb
Titanium	47-1	228.97	227.42	229.11	228.50	0.41	ppb
Uranium	238-1	5.18	5.26	5.26	5.23	0.95	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-07 Instrumnet Name : P8
Client Sample ID : SC-COMP-SED-051625 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:56:58 DataFile Name : 059AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	92.17	93.20	93.70	93.02	0.84	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				111		%
Yttrium	89-2				107		%
Zinc	66-2	155.46	157.27	157.51	156.75	0.72	ppb
Zirconium	90-1	27.15	27.01	27.32	27.16	0.57	ppb
Zirconium	91-1	27.28	28.50	28.21	28.00	2.28	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-08 Instrumnet Name : P8
Client Sample ID : DUPE-1-SC Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:00:10 DataFile Name : 060AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	22669.55	23795.12	23556.42	23340.36	2.54	ppb
Antimony	121-1	0.05	0.06	0.05	0.06	6.69	ppb
Arsenic	75-2	18.38	18.82	18.83	18.67	1.37	ppb
Barium	135-1	86.83	89.76	88.57	88.38	1.67	ppb
Barium	137-1	88.58	90.54	90.17	89.76	1.16	ppb
Beryllium	9-1	1.61	1.58	1.55	1.58	1.96	ppb
Bismuth	209-1				103		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	2.48	3.06	2.65	2.73	11.00	ppb
Cadmium	106-1	4.01	3.83	3.61	3.82	5.30	ppb
Cadmium	111-1	0.51	0.47	0.48	0.49	3.68	ppb
Calcium	43-1	2588.83	2611.52	2655.18	2618.51	1.29	ppb
Calcium	44-1	2663.52	2599.71	2652.10	2638.44	1.29	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	44.83	45.66	44.99	45.16	0.98	ppb
Cobalt	59-2	18.91	19.34	19.07	19.11	1.14	ppb
Copper	63-2	28.89	29.89	29.15	29.31	1.76	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				101		%
Indium	115-1				100		%
Indium	115-2				95		%
Iron	54-2	45969.77	45410.96	45499.47	45626.73	0.66	ppb
Iron	56-2	45556.32	45872.12	45339.37	45589.27	0.59	ppb
Iron	57-2	45690.13	46271.74	44862.12	45608.00	1.55	ppb
Krypton	83-1						cps
Lead	206-1	31.19	31.10	31.08	31.12	0.19	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-08 Instrumnet Name : P8
Client Sample ID : DUPE-1-SC Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:00:10 DataFile Name : 060AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	30.04	30.04	30.36	30.14	0.61	ppb
Lead	208-1	30.57	30.62	30.73	30.64	0.27	ppb
Lithium	6-1				94		%
Magnesium	24-2	8963.47	8967.19	9074.42	9001.69	0.70	ppb
Manganese	55-2	382.14	384.32	385.89	384.12	0.49	ppb
Molybdenum	94-1	40.65	40.45	40.74	40.61	0.36	ppb
Molybdenum	95-1	6.72	6.77	6.67	6.72	0.72	ppb
Molybdenum	96-1	10.40	10.58	10.56	10.51	0.95	ppb
Molybdenum	97-1	6.73	6.83	6.74	6.77	0.81	ppb
Molybdenum	98-1	6.78	6.78	6.78	6.78	0.06	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	37.96	38.77	37.36	38.03	1.86	ppb
Phosphorus	31-2	307.09	317.94	286.54	303.86	5.25	ppb
Potassium	39-2	4033.84	4039.99	4004.62	4026.15	0.47	ppb
Rhodium	103-1				97		%
Rhodium	103-2				97		%
Scandium	45-1				102		%
Scandium	45-2				100		%
Selenium	82-1	1.57	1.78	1.75	1.70	6.82	ppb
Selenium	77-2	34.49	40.17	39.67	38.11	8.26	ppb
Selenium	78-2	6.61	7.20	7.00	6.94	4.38	ppb
Silicon	28-1	249.81	330.44	234.44	271.56	18.99	ppb
Silver	107-1	0.11	0.12	0.12	0.11	3.85	ppb
Silver	109-1	0.09	0.09	0.09	0.09	3.24	ppb
Sodium	23-2	23700.19	24075.47	24039.95	23938.54	0.87	ppb
Strontium	86-1	1069.76	1072.97	1050.23	1064.32	1.16	ppb
Strontium	88-1	1109.55	1134.32	1118.51	1120.79	1.12	ppb
Sulfur	34-1	24466.94	24797.50	24855.83	24706.76	0.85	ppb
Terbium	159-1				105		%
Terbium	159-2				98		%
Thallium	203-1	0.42	0.41	0.42	0.42	2.13	ppb
Thallium	205-1	0.43	0.42	0.42	0.42	1.03	ppb
Tin	118-1	4.98	5.12	5.04	5.05	1.42	ppb
Titanium	47-1	196.08	188.98	204.07	196.38	3.84	ppb
Uranium	238-1	2.52	2.56	2.57	2.55	1.08	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-08 Instrumnet Name : P8
Client Sample ID : DUPE-1-SC Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:00:10 DataFile Name : 060AREF.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	51.12	51.57	51.29	51.33	0.44	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				108		%
Yttrium	89-2				104		%
Zinc	66-2	152.53	156.96	153.11	154.20	1.56	ppb
Zirconium	90-1	18.90	19.12	18.92	18.98	0.64	ppb
Zirconium	91-1	19.07	19.98	20.09	19.71	2.82	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV04 Instrumnet Name : P8
Client Sample ID : CCV04 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:04:17 DataFile Name : 061CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	50594.00	50789.75	49484.31	50289.35	1.40	ppb
Antimony	121-1	503.49	507.68	503.28	504.82	0.49	ppb
Arsenic	75-2	491.84	499.06	500.11	497.01	0.91	ppb
Barium	135-1	2589.62	2555.02	2540.54	2561.73	0.98	ppb
Barium	137-1	2599.34	2575.97	2529.24	2568.18	1.39	ppb
Beryllium	9-1	549.82	534.43	552.20	545.48	1.77	ppb
Bismuth	209-1				88		%
Bismuth	209-2				83		%
Bromine	81-1						cps
Cadmium	108-1	496.02	503.48	497.00	498.83	0.81	ppb
Cadmium	106-1	497.73	496.89	499.60	498.07	0.28	ppb
Cadmium	111-1	505.26	506.88	497.51	503.22	0.99	ppb
Calcium	43-1	240115.09	241252.14	238117.12	239828.12	0.66	ppb
Calcium	44-1	241960.47	237628.25	238273.93	239287.55	0.98	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	534.33	546.44	531.50	537.42	1.48	ppb
Cobalt	59-2	518.62	530.18	513.46	520.75	1.64	ppb
Copper	63-2	5005.56	5110.49	4970.95	5029.00	1.44	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				97		%
Holmium	165-2				93		%
Indium	115-1				86		%
Indium	115-2				78		%
Iron	54-2	132649.97	134099.28	129966.36	132238.54	1.59	ppb
Iron	56-2	129561.59	133974.44	130941.15	131492.39	1.72	ppb
Iron	57-2	130334.10	133703.03	130668.34	131568.49	1.41	ppb
Krypton	83-1						cps
Lead	206-1	2559.50	2548.08	2567.86	2558.48	0.39	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV04 Instrumnet Name : P8
Client Sample ID : CCV04 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:04:17 DataFile Name : 061CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	2593.72	2555.42	2597.19	2582.11	0.90	ppb
Lead	208-1	2586.45	2561.63	2608.33	2585.47	0.90	ppb
Lithium	6-1				84		%
Magnesium	24-2	248433.43	249927.49	250333.50	249564.81	0.40	ppb
Manganese	55-2	5276.54	5289.03	5150.76	5238.78	1.46	ppb
Molybdenum	94-1	5173.61	5129.91	5182.50	5162.01	0.55	ppb
Molybdenum	95-1	5106.18	5112.10	5177.52	5131.94	0.77	ppb
Molybdenum	96-1	5062.47	5100.25	5092.34	5085.02	0.39	ppb
Molybdenum	97-1	4996.56	5096.00	5127.48	5073.35	1.35	ppb
Molybdenum	98-1	5091.52	5107.61	5210.82	5136.65	1.26	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	472.69	482.44	472.30	475.81	1.21	ppb
Phosphorus	31-2	10255.77	10285.89	10141.18	10227.61	0.75	ppb
Potassium	39-2	135670.42	136146.10	133582.20	135132.91	1.01	ppb
Rhodium	103-1				83		%
Rhodium	103-2				83		%
Scandium	45-1				90		%
Scandium	45-2				91		%
Selenium	82-1	490.51	501.36	492.26	494.71	1.18	ppb
Selenium	77-2	488.67	481.77	487.24	485.89	0.75	ppb
Selenium	78-2	482.69	502.04	491.97	492.23	1.97	ppb
Silicon	28-1	515.92	508.85	514.77	513.18	0.74	ppb
Silver	107-1	492.08	494.61	494.09	493.60	0.27	ppb
Silver	109-1	489.98	496.05	489.32	491.78	0.75	ppb
Sodium	23-2	233284.50	235154.79	232750.73	233730.01	0.54	ppb
Strontium	86-1	12813.65	12887.36	12867.27	12856.09	0.30	ppb
Strontium	88-1	12671.64	12898.88	12807.92	12792.81	0.89	ppb
Sulfur	34-1	11020.72	10487.62	10776.39	10761.58	2.48	ppb
Terbium	159-1				95		%
Terbium	159-2				90		%
Thallium	203-1	518.60	512.27	515.30	515.39	0.61	ppb
Thallium	205-1	522.48	509.63	516.03	516.05	1.24	ppb
Tin	118-1	497.30	517.98	500.66	505.32	2.20	ppb
Titanium	47-1	5245.03	5214.52	5163.16	5207.57	0.79	ppb
Uranium	238-1	528.44	524.48	535.91	529.61	1.10	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV04 Instrumnet Name : P8
Client Sample ID : CCV04 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:04:17 DataFile Name : 061CCV.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	529.75	543.11	534.82	535.89	1.26	ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				93		%
Yttrium	89-2				92		%
Zinc	66-2	5112.45	5210.66	5069.80	5130.97	1.41	ppb
Zirconium	90-1	519.19	516.45	520.89	518.84	0.43	ppb
Zirconium	91-1	516.60	518.59	524.48	519.89	0.79	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB04 Instrumnet Name : P8
Client Sample ID : CCB04 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:16:41 DataFile Name : 063CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Aluminium	27-2	0.00	0.70	0.30	0.33	106.28	ppb
Antimony	121-1	0.02	0.02	0.02	0.02	4.56	ppb
Arsenic	75-2	-0.01	0.01	-0.01	0.00		ppb
Barium	135-1	0.02	0.01	0.02	0.02	30.08	ppb
Barium	137-1	0.01	0.01	0.01	0.01	13.88	ppb
Beryllium	9-1	0.03	0.03	0.03	0.03	8.80	ppb
Bismuth	209-1				103		%
Bismuth	209-2				96		%
Bromine	81-1						cps
Cadmium	108-1	-0.03	-0.03	0.00	-0.02		ppb
Cadmium	106-1	-1.36	-1.42	-1.27	-1.35		ppb
Cadmium	111-1	-0.10	-0.11	-0.10	-0.10		ppb
Calcium	43-1	11.96	9.76	10.54	10.75	10.34	ppb
Calcium	44-1	10.13	9.99	9.63	9.92	2.59	ppb
Carbon	12-1						cps
Carbon	12-2						cps
Chlorine	35-1						cps
Chlorine	35-2						cps
Chromium	52-2	0.11	0.08	0.07	0.09	24.85	ppb
Cobalt	59-2	0.00	0.00	0.00	0.00		ppb
Copper	63-2	0.03	0.04	0.07	0.05	41.57	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				99		%
Indium	115-1				99		%
Indium	115-2				95		%
Iron	54-2	0.72	0.70	0.13	0.52	65.17	ppb
Iron	56-2	2.26	3.04	2.39	2.56	16.27	ppb
Iron	57-2	2.35	2.74	1.76	2.28	21.46	ppb
Krypton	83-1						cps
Lead	206-1	0.04	0.04	0.03	0.04	6.38	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB04 Instrumnet Name : P8
Client Sample ID : CCB04 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:16:41 DataFile Name : 063CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Lead	207-1	0.05	0.04	0.03	0.04	19.26	ppb
Lead	208-1	0.04	0.04	0.03	0.04	6.87	ppb
Lithium	6-1				93		%
Magnesium	24-2	0.28	-0.05	0.18	0.14	123.67	ppb
Manganese	55-2	-1.50	-1.45	-1.51	-1.48		ppb
Molybdenum	94-1	0.04	0.05	0.05	0.05	17.08	ppb
Molybdenum	95-1	0.02	0.01	0.02	0.02	9.47	ppb
Molybdenum	96-1	0.02	0.01	0.02	0.02	27.15	ppb
Molybdenum	97-1	0.01	0.01	0.01	0.01	24.60	ppb
Molybdenum	98-1	0.01	0.01	0.01	0.01	5.95	ppb
Neodymium	150-1						cps
Neodymium	150-2						cps
Nickel	60-2	0.03	0.00	0.01	0.01	119.04	ppb
Phosphorus	31-2	-111.89	-118.13	-111.78	-113.93		ppb
Potassium	39-2	10.31	9.03	10.11	9.82	6.99	ppb
Rhodium	103-1				99		%
Rhodium	103-2				99		%
Scandium	45-1				99		%
Scandium	45-2				98		%
Selenium	82-1	0.05	-0.01	-0.14	-0.03		ppb
Selenium	77-2	0.00	0.53	0.00	0.18	173.21	ppb
Selenium	78-2	0.01	-0.46	-0.14	-0.20		ppb
Silicon	28-1	-0.79	-0.69	-0.83	-0.77		ppb
Silver	107-1	0.01	0.01	0.01	0.01	17.21	ppb
Silver	109-1	0.01	0.01	0.01	0.01	26.68	ppb
Sodium	23-2	25.88	25.99	25.72	25.86	0.53	ppb
Strontium	86-1	0.20	0.19	-0.05	0.11	126.44	ppb
Strontium	88-1	0.07	0.10	0.11	0.09	26.34	ppb
Sulfur	34-1	-142.99	-152.97	-222.97	-172.98		ppb
Terbium	159-1				101		%
Terbium	159-2				96		%
Thallium	203-1	0.02	0.01	0.01	0.01	21.45	ppb
Thallium	205-1	0.01	0.01	0.01	0.01	10.06	ppb
Tin	118-1	0.05	0.05	0.07	0.06	14.70	ppb
Titanium	47-1	0.02	0.02	0.01	0.01	45.96	ppb
Uranium	238-1	0.00	0.00	0.00	0.00		ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB04 Instrumnet Name : P8
Client Sample ID : CCB04 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:16:41 DataFile Name : 063CCBE.d

Parameter	Mass	ConRep1	ConRep2	ConRep3	Avg. Conc.	ConcRSD	Units
Vanadium	51-2	0.00	0.00	0.00	0.00		ppb
Ytterbium	172-1						cps
Ytterbium	172-2						cps
Ytterbium	176-1						cps
Ytterbium	176-2						cps
Yttrium	89-1				101		%
Yttrium	89-2				98		%
Zinc	66-2	0.65	0.61	0.61	0.63	3.30	ppb
Zirconium	90-1	0.01	0.01	0.01	0.01	27.35	ppb
Zirconium	91-1	0.02	0.01	0.01	0.02	20.68	ppb

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P8
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 13:53:59 DataFile Name : 004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	167	163	140	157	9.28	cps
Antimony	121-1	63	47	67	59	18.19	cps
Arsenic	75-2	13	3	3	7	86.65	cps
Barium	135-1	93	77	73	81	13.21	cps
Barium	137-1	187	173	203	188	8.00	cps
Beryllium	9-1	100	119	132	117	13.42	cps
Bismuth	209-1	11798573	11714570	11714629	11742591	0.41	cps
Bismuth	209-2	4917420	4906598	4927118	4917045	0.21	cps
Bromine	81-1	32307	32220	32284	32271	0.14	cps
Cadmium	108-1	53	20	33	36	47.19	cps
Cadmium	106-1	10281	10247	10040	10189	1.28	cps
Cadmium	111-1	7179	7186	7038	7134	1.17	cps
Calcium	43-1	907	857	880	881	2.84	cps
Calcium	44-1	29086	29677	28552	29105	1.93	cps
Carbon	12-1	3817232	3899611	3898009	3871617	1.22	cps
Carbon	12-2	29503	30328	29440	29757	1.67	cps
Chlorine	35-1	109507	109628	108794	109310	0.41	cps
Chlorine	35-2	457	377	453	429	10.55	cps
Chromium	52-2	913	877	970	920	5.11	cps
Cobalt	59-2	77	77	100	84	15.95	cps
Copper	63-2	1693	1573	1627	1631	3.69	cps
Dysprosium	156-1	27	13	13	18	43.33	cps
Dysprosium	156-2	3	0	7	3	100.05	cps
Erbium	164-1	123	127	133	128	3.98	cps
Erbium	164-2	30	53	37	40	30.04	cps
Gadolinium	160-1	157	117	157	143	16.11	cps
Gadolinium	160-2	23	23	30	26	15.07	cps
Holmium	165-1	19323050	19224607	18844393	19130683	1.32	cps
Holmium	165-2	6836065	6882854	6785102	6834674	0.72	cps
Indium	115-1	17068597	16897091	16971875	16979187	0.51	cps
Indium	115-2	1821660	1837977	1795750	1818463	1.17	cps
Iron	54-2	1672	513	440	875	78.95	cps
Iron	56-2	5134	4958	4878	4990	2.63	cps
Iron	57-2	170	150	90	137	30.46	cps
Krypton	83-1	253	277	253	261	5.16	cps
Lead	206-1	620	650	690	653	5.38	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P8
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 13:53:59 DataFile Name : 004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	490	617	530	546	11.87	cps
Lead	208-1	2500	2677	2517	2565	3.80	cps
Lithium	6-1	5204572	5092684	5087081	5128113	1.29	cps
Magnesium	24-2	350	460	417	409	13.55	cps
Manganese	55-2	4424	4444	4537	4469	1.35	cps
Molybdenum	94-1	507	480	470	486	3.90	cps
Molybdenum	95-1	180	190	180	183	3.15	cps
Molybdenum	96-1	343	297	250	297	15.73	cps
Molybdenum	97-1	93	107	133	111	18.33	cps
Molybdenum	98-1	317	313	290	307	4.74	cps
Neodymium	150-1	17	13	10	13	25.01	cps
Neodymium	150-2	0	7	0	2	173.21	cps
Nickel	60-2	310	300	247	286	11.92	cps
Phosphorus	31-2	60	87	57	68	24.26	cps
Potassium	39-2	13867	13830	13460	13719	1.64	cps
Rhodium	103-1	16040783	15743306	15850813	15878301	0.95	cps
Rhodium	103-2	6213338	6213373	6144062	6190258	0.65	cps
Scandium	45-1	10572993	10701341	10511437	10595257	0.91	cps
Scandium	45-2	202965	202280	200766	202004	0.56	cps
Selenium	82-1	-7	3	37	11	204.18	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	30	17	13	20	44.10	cps
Silicon	28-1	591099	569334	571724	577386	2.07	cps
Silver	107-1	200	183	193	192	4.36	cps
Silver	109-1	60	73	77	70	12.60	cps
Sodium	23-2	28621	28608	28615	28615	0.02	cps
Strontium	86-1	477	510	513	500	4.06	cps
Strontium	88-1	457	513	417	462	10.51	cps
Sulfur	34-1	566897	569997	573349	570081	0.57	cps
Terbium	159-1	20367021	19970954	20203049	20180342	0.99	cps
Terbium	159-2	6743227	6834853	6764888	6780990	0.71	cps
Thallium	203-1	243	273	223	247	10.20	cps
Thallium	205-1	580	527	627	578	8.66	cps
Tin	118-1	3474	3094	3130	3233	6.49	cps
Titanium	47-1	197	210	187	198	5.92	cps
Uranium	238-1	250	200	250	233	12.37	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S0 Instrumnet Name : P8
Client Sample ID : S0 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 13:53:59 DataFile Name : 004CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	37	23	13	24	47.91	cps
Ytterbium	172-1	113	107	123	114	7.33	cps
Ytterbium	172-2	53	100	20	58	69.55	cps
Ytterbium	176-1	2657	2630	2594	2627	1.21	cps
Ytterbium	176-2	930	910	847	896	4.86	cps
Yttrium	89-1	29823209	30082003	30030146	29978453	0.46	cps
Yttrium	89-2	2269124	2275258	2246743	2263709	0.66	cps
Zinc	66-2	337	380	363	360	6.07	cps
Zirconium	90-1	1470	1433	1323	1409	5.42	cps
Zirconium	91-1	233	287	217	246	14.89	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S2 Instrumnet Name : P8
Client Sample ID : S2 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:00:39 DataFile Name : 006CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1723	1750	1740	1738	0.78	cps
Antimony	121-1	48345	48579	49506	48810	1.26	cps
Arsenic	75-2	573	523	560	552	4.69	cps
Barium	135-1	56701	56059	57113	56625	0.94	cps
Barium	137-1	97108	98783	97857	97916	0.86	cps
Beryllium	9-1	6191	6259	6399	6283	1.69	cps
Bismuth	209-1	11870517	11659298	11562494	11697436	1.35	cps
Bismuth	209-2	4870428	4816300	4820873	4835867	0.62	cps
Bromine	81-1	31432	32007	31816	31752	0.92	cps
Cadmium	108-1	430	450	460	447	3.42	cps
Cadmium	106-1	10618	10507	11025	10716	2.54	cps
Cadmium	111-1	12296	12218	12976	12497	3.34	cps
Calcium	43-1	37175	37516	38608	37766	1.98	cps
Calcium	44-1	626120	629204	632399	629241	0.50	cps
Carbon	12-1	3775538	3905228	3876394	3852387	1.77	cps
Carbon	12-2	29406	30024	29513	29648	1.11	cps
Chlorine	35-1	110907	110598	109114	110206	0.87	cps
Chlorine	35-2	403	410	370	394	5.43	cps
Chromium	52-2	10481	10360	10534	10458	0.85	cps
Cobalt	59-2	9960	9710	9760	9810	1.35	cps
Copper	63-2	16977	16436	16693	16702	1.62	cps
Dysprosium	156-1	23	43	40	36	30.14	cps
Dysprosium	156-2	3	10	13	9	57.30	cps
Erbium	164-1	167	190	157	171	10.00	cps
Erbium	164-2	43	37	40	40	8.32	cps
Gadolinium	160-1	123	153	140	139	10.82	cps
Gadolinium	160-2	33	57	37	42	29.89	cps
Holmium	165-1	19377726	19203578	19768868	19450058	1.49	cps
Holmium	165-2	7008165	6926225	6878735	6937708	0.94	cps
Indium	115-1	16773114	16726423	16660366	16719968	0.34	cps
Indium	115-2	1807490	1801672	1819974	1809712	0.52	cps
Iron	54-2	11031	10804	11074	10970	1.32	cps
Iron	56-2	191211	194414	187890	191172	1.71	cps
Iron	57-2	4774	5191	4961	4975	4.20	cps
Krypton	83-1	193	243	237	224	12.10	cps
Lead	206-1	14959	14765	14922	14882	0.69	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S2 Instrumnet Name : P8
Client Sample ID : S2 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:00:39 DataFile Name : 006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	12906	13337	13207	13150	1.68	cps
Lead	208-1	59340	59995	59888	59741	0.59	cps
Lithium	6-1	5309418	5092747	5225606	5209257	2.10	cps
Magnesium	24-2	145108	144290	144410	144603	0.31	cps
Manganese	55-2	6715	6635	6648	6666	0.64	cps
Molybdenum	94-1	50625	50174	51535	50778	1.37	cps
Molybdenum	95-1	60882	59152	60561	60198	1.53	cps
Molybdenum	96-1	67279	67640	65858	66926	1.41	cps
Molybdenum	97-1	37567	37627	37748	37648	0.24	cps
Molybdenum	98-1	96328	97167	96318	96604	0.50	cps
Neodymium	150-1	40	20	23	28	38.58	cps
Neodymium	150-2	3	3	7	4	43.40	cps
Nickel	60-2	2547	2827	2557	2644	6.01	cps
Phosphorus	31-2	980	1023	987	997	2.34	cps
Potassium	39-2	103175	101658	100362	101732	1.38	cps
Rhodium	103-1	15896329	15682705	15394178	15657737	1.61	cps
Rhodium	103-2	6299960	6156857	6128870	6195229	1.48	cps
Scandium	45-1	10506188	10853744	10485768	10615233	1.95	cps
Scandium	45-2	205316	201003	205883	204067	1.31	cps
Selenium	82-1	1990	1934	1787	1904	5.51	cps
Selenium	77-2	37	40	43	40	8.32	cps
Selenium	78-2	113	103	140	119	15.94	cps
Silicon	28-1	670125	675173	686008	677102	1.20	cps
Silver	107-1	32000	31773	33060	32278	2.13	cps
Silver	109-1	29869	31185	29973	30342	2.41	cps
Sodium	23-2	306134	305058	302729	304641	0.57	cps
Strontium	86-1	8313	7926	8049	8096	2.44	cps
Strontium	88-1	67944	68507	68219	68223	0.41	cps
Sulfur	34-1	601970	601885	603068	602308	0.11	cps
Terbium	159-1	20056466	20109486	20047944	20071299	0.17	cps
Terbium	159-2	6782425	6817006	6797681	6799037	0.25	cps
Thallium	203-1	20763	20693	21061	20839	0.94	cps
Thallium	205-1	49772	50929	49926	50209	1.25	cps
Tin	118-1	100005	101066	101425	100832	0.73	cps
Titanium	47-1	17411	17931	17878	17740	1.61	cps
Uranium	238-1	62168	63504	62385	62686	1.14	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S2 Instrumnet Name : P8
Client Sample ID : S2 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:00:39 DataFile Name : 006CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	18659	18332	18525	18505	0.89	cps
Ytterbium	172-1	110	117	163	130	22.36	cps
Ytterbium	172-2	57	47	60	54	12.74	cps
Ytterbium	176-1	2794	2574	2807	2725	4.81	cps
Ytterbium	176-2	783	907	730	807	11.23	cps
Yttrium	89-1	30210372	30064340	30408100	30227604	0.57	cps
Yttrium	89-2	2336044	2264205	2296982	2299077	1.56	cps
Zinc	66-2	4377	4661	4351	4463	3.85	cps
Zirconium	90-1	46052	45504	46434	45997	1.02	cps
Zirconium	91-1	10194	10080	9937	10070	1.28	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S3 Instrumnet Name : P8
Client Sample ID : S3 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:03:58 DataFile Name : 007CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	84283	82818	82791	83297	1.02	cps
Antimony	121-1	1205748	1225118	1229967	1220278	1.05	cps
Arsenic	75-2	24792	24769	25750	25104	2.23	cps
Barium	135-1	1422738	1437537	1433754	1431343	0.54	cps
Barium	137-1	2532423	2587132	2575000	2564851	1.12	cps
Beryllium	9-1	293447	297106	298096	296216	0.83	cps
Bismuth	209-1	11615655	11579810	11720864	11638776	0.63	cps
Bismuth	209-2	4669332	4680055	4803705	4717697	1.58	cps
Bromine	81-1	31068	31332	31412	31270	0.58	cps
Cadmium	108-1	24759	24305	25303	24789	2.02	cps
Cadmium	106-1	44281	46120	45923	45441	2.22	cps
Cadmium	111-1	312854	315683	316040	314859	0.55	cps
Calcium	43-1	382669	383307	386971	384316	0.60	cps
Calcium	44-1	6053404	5995338	6175658	6074800	1.52	cps
Carbon	12-1	3852838	3808659	3866838	3842778	0.79	cps
Carbon	12-2	29944	29787	29827	29853	0.27	cps
Chlorine	35-1	118473	119481	119431	119128	0.48	cps
Chlorine	35-2	473	510	467	483	4.83	cps
Chromium	52-2	246698	246681	243238	245539	0.81	cps
Cobalt	59-2	469812	456794	465411	464006	1.43	cps
Copper	63-2	3815901	3776737	3806362	3799667	0.54	cps
Dysprosium	156-1	70	53	67	63	13.93	cps
Dysprosium	156-2	17	10	17	14	26.66	cps
Erbium	164-1	150	213	160	174	19.52	cps
Erbium	164-2	47	30	57	44	30.31	cps
Gadolinium	160-1	150	127	97	124	21.48	cps
Gadolinium	160-2	33	50	47	43	20.36	cps
Holmium	165-1	19379342	19152117	19381821	19304427	0.68	cps
Holmium	165-2	6764894	6848996	6757007	6790299	0.75	cps
Indium	115-1	16790114	16444034	16370937	16535028	1.35	cps
Indium	115-2	1789270	1739459	1750033	1759587	1.49	cps
Iron	54-2	512507	508974	498182	506554	1.47	cps
Iron	56-2	9204529	9192532	9112647	9169903	0.54	cps
Iron	57-2	230942	231722	233380	232015	0.54	cps
Krypton	83-1	253	247	237	246	3.42	cps
Lead	206-1	4483990	4537815	4513991	4511932	0.60	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S3 Instrumnet Name : P8
Client Sample ID : S3 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:03:58 DataFile Name : 007CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3823611	3905113	3898675	3875800	1.17	cps
Lead	208-1	17433784	17624902	17730453	17596380	0.85	cps
Lithium	6-1	5290033	5201422	5283627	5258360	0.94	cps
Magnesium	24-2	1439511	1415547	1416466	1423841	0.95	cps
Manganese	55-2	1042267	1043996	1015497	1033920	1.55	cps
Molybdenum	94-1	4309230	4207487	4295449	4270722	1.29	cps
Molybdenum	95-1	6202768	6003178	6299855	6168600	2.45	cps
Molybdenum	96-1	6711372	6738761	6759685	6736606	0.36	cps
Molybdenum	97-1	3818339	3869338	3841125	3842934	0.66	cps
Molybdenum	98-1	10056909	10038287	10111058	10068751	0.38	cps
Neodymium	150-1	157	127	117	133	15.61	cps
Neodymium	150-2	3	0	7	3	100.05	cps
Nickel	60-2	129742	128760	128165	128889	0.62	cps
Phosphorus	31-2	3904	4207	3931	4014	4.19	cps
Potassium	39-2	463820	463958	466274	464684	0.30	cps
Rhodium	103-1	15480795	15609591	15333804	15474730	0.89	cps
Rhodium	103-2	6074733	6097137	5978171	6050014	1.04	cps
Scandium	45-1	10369939	10549654	10359385	10426326	1.03	cps
Scandium	45-2	200049	199049	198213	199104	0.46	cps
Selenium	82-1	18636	19344	18886	18955	1.89	cps
Selenium	77-2	327	333	333	331	1.16	cps
Selenium	78-2	1187	1063	983	1078	9.50	cps
Silicon	28-1	8347061	8308277	8091958	8249099	1.67	cps
Silver	107-1	1540473	1633813	1608476	1594254	3.03	cps
Silver	109-1	1449343	1488284	1493214	1476947	1.63	cps
Sodium	23-2	2845168	2839797	2801848	2828938	0.83	cps
Strontium	86-1	387620	398823	391037	392493	1.46	cps
Strontium	88-1	3516085	3466690	3457161	3479979	0.91	cps
Sulfur	34-1	685457	692663	691431	689850	0.56	cps
Terbium	159-1	20404156	19924245	19946584	20091662	1.35	cps
Terbium	159-2	6626820	6632988	6674394	6644734	0.39	cps
Thallium	203-1	1040587	1041706	1061759	1048017	1.14	cps
Thallium	205-1	2546706	2553828	2614668	2571734	1.45	cps
Tin	118-1	991274	1003442	1004123	999613	0.72	cps
Titanium	47-1	1711116	1689213	1683192	1694507	0.87	cps
Uranium	238-1	3264632	3288204	3340250	3297695	1.17	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S3 Instrumnet Name : P8
Client Sample ID : S3 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:03:58 DataFile Name : 007CALB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	187529	187396	187776	187567	0.10	cps
Ytterbium	172-1	177	123	170	157	18.55	cps
Ytterbium	172-2	60	93	70	74	22.98	cps
Ytterbium	176-1	7459	7782	7966	7736	3.32	cps
Ytterbium	176-2	2590	2324	2460	2458	5.43	cps
Yttrium	89-1	30198730	29834705	29992482	30008639	0.61	cps
Yttrium	89-2	2278371	2220991	2222539	2240634	1.46	cps
Zinc	66-2	401299	395533	397098	397977	0.75	cps
Zirconium	90-1	2193443	2185315	2178269	2185676	0.35	cps
Zirconium	91-1	466205	471776	468828	468936	0.59	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S4 Instrumnet Name : P8
Client Sample ID : S4 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:07:00 DataFile Name : 008CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	203749	202264	201298	202437	0.61	cps
Antimony	121-1	3043197	3148947	3083339	3091828	1.73	cps
Arsenic	75-2	60208	60580	60188	60325	0.37	cps
Barium	135-1	3652890	3700396	3639176	3664154	0.88	cps
Barium	137-1	6307095	6317859	6275886	6300280	0.35	cps
Beryllium	9-1	715038	725845	724017	721633	0.80	cps
Bismuth	209-1	11557119	11650014	11653767	11620300	0.47	cps
Bismuth	209-2	4734399	4625356	4625435	4661730	1.35	cps
Bromine	81-1	29334	29471	28930	29245	0.96	cps
Cadmium	108-1	59581	60746	59862	60063	1.01	cps
Cadmium	106-1	94568	96974	96846	96129	1.41	cps
Cadmium	111-1	755673	763239	763421	760778	0.58	cps
Calcium	43-1	919241	938474	924330	927349	1.07	cps
Calcium	44-1	14605032	14666229	14648839	14640033	0.22	cps
Carbon	12-1	3798978	3817719	3777983	3798227	0.52	cps
Carbon	12-2	30084	29540	29212	29612	1.49	cps
Chlorine	35-1	118876	120348	119549	119591	0.62	cps
Chlorine	35-2	427	497	473	466	7.66	cps
Chromium	52-2	585715	585147	586389	585751	0.11	cps
Cobalt	59-2	1108529	1110441	1105393	1108121	0.23	cps
Copper	63-2	8748774	8776888	8762674	8762779	0.16	cps
Dysprosium	156-1	97	143	153	131	23.07	cps
Dysprosium	156-2	20	30	13	21	39.75	cps
Erbium	164-1	203	177	207	196	8.41	cps
Erbium	164-2	80	43	90	71	34.56	cps
Gadolinium	160-1	187	170	163	173	6.93	cps
Gadolinium	160-2	43	50	73	56	28.35	cps
Holmium	165-1	19215682	19293388	19456534	19321868	0.64	cps
Holmium	165-2	6778434	6738535	6661102	6726024	0.89	cps
Indium	115-1	16269825	16316165	16369304	16318432	0.31	cps
Indium	115-2	1718610	1703443	1722143	1714732	0.58	cps
Iron	54-2	1219395	1227911	1218229	1221845	0.43	cps
Iron	56-2	22528145	22365126	22061633	22318301	1.06	cps
Iron	57-2	560992	562308	563249	562183	0.20	cps
Krypton	83-1	273	240	260	258	6.51	cps
Lead	206-1	10736265	10966062	10964174	10888834	1.21	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S4 Instrumnet Name : P8
Client Sample ID : S4 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:07:00 DataFile Name : 008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	9261418	9253928	9421038	9312128	1.01	cps
Lead	208-1	43131460	43018020	43216646	43122042	0.23	cps
Lithium	6-1	5266161	5416538	5256531	5313077	1.69	cps
Magnesium	24-2	3473047	3423981	3351248	3416092	1.79	cps
Manganese	55-2	2544532	2553237	2554802	2550857	0.22	cps
Molybdenum	94-1	10387470	10413334	10417928	10406244	0.16	cps
Molybdenum	95-1	15177673	15188895	15221137	15195902	0.15	cps
Molybdenum	96-1	16476559	16468021	16492580	16479053	0.08	cps
Molybdenum	97-1	9303694	9281396	9350532	9311874	0.38	cps
Molybdenum	98-1	24145233	24595998	24135633	24292288	1.08	cps
Neodymium	150-1	283	243	323	283	14.12	cps
Neodymium	150-2	7	30	27	21	59.77	cps
Nickel	60-2	303819	303844	301646	303103	0.42	cps
Phosphorus	31-2	9990	9733	9773	9832	1.41	cps
Potassium	39-2	1115079	1107539	1119191	1113937	0.53	cps
Rhodium	103-1	14967505	15002089	14882191	14950595	0.41	cps
Rhodium	103-2	5879525	5861602	5879262	5873463	0.17	cps
Scandium	45-1	10058018	10361827	10088178	10169341	1.65	cps
Scandium	45-2	196357	194848	197607	196270	0.70	cps
Selenium	82-1	45849	45695	45779	45774	0.17	cps
Selenium	77-2	820	850	793	821	3.45	cps
Selenium	78-2	2647	2884	2700	2744	4.53	cps
Silicon	28-1	19501282	19349734	19278989	19376668	0.59	cps
Silver	107-1	3931918	4013566	4007388	3984291	1.14	cps
Silver	109-1	3750463	3793982	3805363	3783269	0.77	cps
Sodium	23-2	6888154	6722261	6674523	6761646	1.66	cps
Strontium	86-1	947432	955050	956585	953022	0.51	cps
Strontium	88-1	8383452	8372054	8395016	8383508	0.14	cps
Sulfur	34-1	838323	840702	831426	836817	0.58	cps
Terbium	159-1	20119821	20403178	20099277	20207425	0.84	cps
Terbium	159-2	6478258	6456615	6630141	6521671	1.45	cps
Thallium	203-1	2660182	2723491	2728710	2704127	1.41	cps
Thallium	205-1	6230670	6355933	6263372	6283325	1.03	cps
Tin	118-1	2471215	2544050	2504385	2506550	1.45	cps
Titanium	47-1	4054647	4049761	4062422	4055610	0.16	cps
Uranium	238-1	8207252	8302341	8072863	8194152	1.41	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S4 Instrumnet Name : P8
Client Sample ID : S4 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:07:00 DataFile Name : 008CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	444636	447004	454547	448729	1.15	cps
Ytterbium	172-1	207	210	247	221	10.04	cps
Ytterbium	172-2	77	70	50	66	21.17	cps
Ytterbium	176-1	14949	15155	15029	15044	0.69	cps
Ytterbium	176-2	4908	5154	5041	5034	2.45	cps
Yttrium	89-1	29387231	29735054	29321495	29481260	0.75	cps
Yttrium	89-2	2180506	2128371	2170565	2159814	1.28	cps
Zinc	66-2	947985	955448	950052	951162	0.41	cps
Zirconium	90-1	5252922	5248885	5213941	5238583	0.41	cps
Zirconium	91-1	1124146	1158603	1152324	1145024	1.60	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S5 Instrumnet Name : P8
Client Sample ID : S5 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:09:54 DataFile Name : 009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	393598	398655	391258	394503	0.96	cps
Antimony	121-1	5943733	6098832	6034077	6025547	1.29	cps
Arsenic	75-2	117787	116456	116772	117005	0.59	cps
Barium	135-1	7059912	7159317	7191800	7137010	0.96	cps
Barium	137-1	11914714	12402370	12221582	12179556	2.02	cps
Beryllium	9-1	1341233	1336433	1359356	1345674	0.90	cps
Bismuth	209-1	11349086	11463892	11391752	11401576	0.51	cps
Bismuth	209-2	4492048	4519427	4548600	4520025	0.63	cps
Bromine	81-1	28212	28172	28422	28269	0.48	cps
Cadmium	108-1	115634	117734	119052	117473	1.47	cps
Cadmium	106-1	174052	177647	176044	175914	1.02	cps
Cadmium	111-1	1457121	1483043	1477316	1472494	0.92	cps
Calcium	43-1	1800926	1796152	1764661	1787246	1.10	cps
Calcium	44-1	28077703	28548175	28790495	28472124	1.27	cps
Carbon	12-1	3672651	3701022	3749546	3707739	1.05	cps
Carbon	12-2	29002	29112	29116	29077	0.22	cps
Chlorine	35-1	123827	125484	124086	124466	0.72	cps
Chlorine	35-2	433	427	463	441	4.43	cps
Chromium	52-2	1131813	1139562	1136861	1136079	0.35	cps
Cobalt	59-2	2221555	2202268	2220762	2214861	0.49	cps
Copper	63-2	17002066	17042916	16890133	16978372	0.47	cps
Dysprosium	156-1	247	197	213	219	11.63	cps
Dysprosium	156-2	37	47	33	39	17.85	cps
Erbium	164-1	253	260	253	256	1.51	cps
Erbium	164-2	100	80	77	86	14.75	cps
Gadolinium	160-1	207	200	203	203	1.64	cps
Gadolinium	160-2	77	53	63	64	18.17	cps
Holmium	165-1	18926912	18820609	19182072	18976531	0.98	cps
Holmium	165-2	6585701	6598982	6569465	6584716	0.22	cps
Indium	115-1	15598129	15713594	15891351	15734358	0.94	cps
Indium	115-2	1593831	1652295	1565938	1604021	2.75	cps
Iron	54-2	2405736	2427526	2395039	2409434	0.69	cps
Iron	56-2	43656281	43907513	43050106	43537967	1.01	cps
Iron	57-2	1092352	1081195	1084743	1086097	0.52	cps
Krypton	83-1	203	223	243	223	8.95	cps
Lead	206-1	21287074	21801241	21421066	21503127	1.24	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S5 Instrumnet Name : P8
Client Sample ID : S5 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:09:54 DataFile Name : 009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	18214682	18779130	18744525	18579446	1.70	cps
Lead	208-1	83975087	86616937	86658296	85750107	1.79	cps
Lithium	6-1	5190831	5124151	5173136	5162706	0.67	cps
Magnesium	24-2	6685649	6657216	6759592	6700819	0.79	cps
Manganese	55-2	4930335	4898800	4893318	4907484	0.41	cps
Molybdenum	94-1	20499651	20372818	20551993	20474821	0.45	cps
Molybdenum	95-1	29302171	29353423	29376600	29344065	0.13	cps
Molybdenum	96-1	32070684	32632438	32644262	32449128	1.01	cps
Molybdenum	97-1	18228798	18592403	18439927	18420376	0.99	cps
Molybdenum	98-1	47574196	47736943	47496624	47602588	0.26	cps
Neodymium	150-1	650	567	587	601	7.24	cps
Neodymium	150-2	23	33	27	28	18.33	cps
Nickel	60-2	592768	591345	590273	591462	0.21	cps
Phosphorus	31-2	19169	19406	18735	19104	1.78	cps
Potassium	39-2	2153289	2146113	2164816	2154740	0.44	cps
Rhodium	103-1	14469021	14353155	14484941	14435706	0.50	cps
Rhodium	103-2	5589451	5649888	5609509	5616283	0.55	cps
Scandium	45-1	9870514	9869461	10016924	9918966	0.86	cps
Scandium	45-2	189856	189635	189975	189822	0.09	cps
Selenium	82-1	88955	89525	89918	89466	0.54	cps
Selenium	77-2	1487	1440	1550	1492	3.70	cps
Selenium	78-2	4961	5341	5201	5168	3.72	cps
Silicon	28-1	36701301	36700305	37061602	36821069	0.57	cps
Silver	107-1	7572833	7598678	7600196	7590569	0.20	cps
Silver	109-1	7055865	7309169	7167449	7177494	1.77	cps
Sodium	23-2	13193315	13098781	13509484	13267193	1.62	cps
Strontium	86-1	1957299	1935062	1948665	1947009	0.58	cps
Strontium	88-1	16284181	16513302	16772327	16523270	1.48	cps
Sulfur	34-1	946299	944986	947007	946097	0.11	cps
Terbium	159-1	19824008	19553454	19580072	19652511	0.76	cps
Terbium	159-2	6472893	6432272	6408987	6438050	0.50	cps
Thallium	203-1	5311118	5340593	5279102	5310271	0.58	cps
Thallium	205-1	12497387	12553998	12444239	12498542	0.44	cps
Tin	118-1	4795946	4875187	4905304	4858812	1.16	cps
Titanium	47-1	7798530	7913072	7931820	7881141	0.92	cps
Uranium	238-1	15955037	16605688	16428447	16329724	2.06	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S5 Instrumnet Name : P8
Client Sample ID : S5 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:09:54 DataFile Name : 009CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	861857	877245	865400	868167	0.93	cps
Ytterbium	172-1	253	220	283	252	12.56	cps
Ytterbium	172-2	123	123	60	102	35.77	cps
Ytterbium	176-1	26383	28207	28324	27638	3.94	cps
Ytterbium	176-2	9310	9337	9290	9312	0.25	cps
Yttrium	89-1	28741111	28486759	28796080	28674650	0.58	cps
Yttrium	89-2	2101237	2116185	2093214	2103545	0.55	cps
Zinc	66-2	1916823	1911405	1912757	1913662	0.15	cps
Zirconium	90-1	10270415	10270689	10270383	10270496	0.00	cps
Zirconium	91-1	2326134	2323727	2317959	2322607	0.18	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S6 Instrumnet Name : P8
Client Sample ID : S6 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:12:43 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	754606	759205	762936	758916	0.55	cps
Antimony	121-1	11718151	11906551	11894272	11839658	0.89	cps
Arsenic	75-2	226478	226288	225825	226197	0.15	cps
Barium	135-1	13684685	13909201	14191621	13928502	1.82	cps
Barium	137-1	23751291	24014942	24141110	23969115	0.83	cps
Beryllium	9-1	2510808	2538549	2603711	2551023	1.87	cps
Bismuth	209-1	11044171	11059494	10994293	11032653	0.31	cps
Bismuth	209-2	4517791	4468769	4380994	4455851	1.56	cps
Bromine	81-1	27951	27243	29404	28200	3.91	cps
Cadmium	108-1	222557	225326	227690	225191	1.14	cps
Cadmium	106-1	330547	333122	333216	332295	0.46	cps
Cadmium	111-1	2923053	3008503	2987282	2972946	1.50	cps
Calcium	43-1	3502045	3444733	3479891	3475556	0.83	cps
Calcium	44-1	55061588	56067191	56634397	55921059	1.42	cps
Carbon	12-1	3652035	3724371	3702674	3693027	1.01	cps
Carbon	12-2	29566	29563	30582	29904	1.96	cps
Chlorine	35-1	137128	139673	140645	139149	1.31	cps
Chlorine	35-2	547	563	553	554	1.51	cps
Chromium	52-2	2268203	2247177	2230657	2248679	0.84	cps
Cobalt	59-2	4191254	4257179	4205542	4217992	0.82	cps
Copper	63-2	32190469	32202164	32465789	32286140	0.48	cps
Dysprosium	156-1	400	310	310	340	15.28	cps
Dysprosium	156-2	60	53	47	53	12.50	cps
Erbium	164-1	383	420	397	400	4.64	cps
Erbium	164-2	133	143	137	138	3.70	cps
Gadolinium	160-1	313	217	330	287	21.35	cps
Gadolinium	160-2	107	70	113	97	24.14	cps
Holmium	165-1	18647803	18797376	18852676	18765952	0.56	cps
Holmium	165-2	6644699	6688643	6296657	6543333	3.28	cps
Indium	115-1	15240905	15233583	15268927	15247805	0.12	cps
Indium	115-2	1553787	1630292	1469916	1551332	5.17	cps
Iron	54-2	4610050	4519513	4582744	4570769	1.02	cps
Iron	56-2	83634960	84436162	83160467	83743863	0.77	cps
Iron	57-2	2167224	2222470	2146240	2178645	1.81	cps
Krypton	83-1	270	247	233	250	7.42	cps
Lead	206-1	42129486	43070748	42874751	42691662	1.16	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S6 Instrumnet Name : P8
Client Sample ID : S6 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:12:43 DataFile Name : 010CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	35298152	36290459	36987238	36191950	2.35	cps
Lead	208-1	163581840	168245799	170240444	167356028	2.04	cps
Lithium	6-1	5176444	4987421	5175077	5112981	2.13	cps
Magnesium	24-2	12883428	12890922	12736689	12837013	0.68	cps
Manganese	55-2	9302341	9365330	9260838	9309503	0.57	cps
Molybdenum	94-1	39496279	41007243	40397591	40300371	1.89	cps
Molybdenum	95-1	57644686	58987739	57569146	58067190	1.37	cps
Molybdenum	96-1	62202634	64860144	64340826	63801201	2.21	cps
Molybdenum	97-1	35166572	37196606	36289860	36217679	2.81	cps
Molybdenum	98-1	91291305	94468889	93363082	93041092	1.73	cps
Neodymium	150-1	1120	1170	1150	1147	2.20	cps
Neodymium	150-2	47	83	60	63	29.30	cps
Nickel	60-2	1110541	1115722	1119357	1115207	0.40	cps
Phosphorus	31-2	36402	36506	36820	36576	0.59	cps
Potassium	39-2	4159536	4170631	4029770	4119979	1.90	cps
Rhodium	103-1	13709782	14207258	13905801	13940947	1.80	cps
Rhodium	103-2	5463938	5631037	5366552	5487176	2.44	cps
Scandium	45-1	9640695	9730069	9622717	9664494	0.59	cps
Scandium	45-2	189126	192182	183687	188332	2.28	cps
Selenium	82-1	171121	173722	176617	173820	1.58	cps
Selenium	77-2	2994	2930	3067	2997	2.28	cps
Selenium	78-2	9860	9847	10064	9924	1.22	cps
Silicon	28-1	69684529	71267791	68856622	69936314	1.75	cps
Silver	107-1	14580019	14323104	14778499	14560540	1.57	cps
Silver	109-1	13763831	13776159	14023799	13854596	1.06	cps
Sodium	23-2	25758131	25387152	25119696	25421660	1.26	cps
Strontium	86-1	3696278	3749024	3722319	3722540	0.71	cps
Strontium	88-1	31859925	32777138	32480050	32372371	1.45	cps
Sulfur	34-1	1325455	1354475	1302338	1327423	1.97	cps
Terbium	159-1	19677824	19390479	19435828	19501377	0.79	cps
Terbium	159-2	6343784	6403658	6232797	6326746	1.37	cps
Thallium	203-1	10289408	10351251	10481446	10374035	0.94	cps
Thallium	205-1	24520392	24701489	24840758	24687546	0.65	cps
Tin	118-1	9427891	9637414	9600145	9555150	1.17	cps
Titanium	47-1	15185632	15740737	15579722	15502030	1.84	cps
Uranium	238-1	31758267	32331381	32747920	32279189	1.54	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S6 Instrumnet Name : P8
Client Sample ID : S6 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:12:43 DataFile Name : 010CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1740552	1689606	1689948	1706702	1.72	cps
Ytterbium	172-1	367	427	393	396	7.60	cps
Ytterbium	172-2	147	113	130	130	12.82	cps
Ytterbium	176-1	51620	52551	51416	51862	1.17	cps
Ytterbium	176-2	17472	17278	17605	17452	0.94	cps
Yttrium	89-1	27867562	28153591	27801065	27940740	0.67	cps
Yttrium	89-2	2043325	2111142	1993138	2049201	2.89	cps
Zinc	66-2	3619109	3672856	3650364	3647443	0.74	cps
Zirconium	90-1	19796933	20417778	20162104	20125605	1.55	cps
Zirconium	91-1	4470047	4602505	4474215	4515589	1.67	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S7 Instrumnet Name : P8
Client Sample ID : S7 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:15:28 DataFile Name : 011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1472209	1485526	1505257	1487664	1.12	cps
Antimony	121-1	22849065	23064298	22912451	22941938	0.48	cps
Arsenic	75-2	438133	437184	438252	437857	0.13	cps
Barium	135-1	27020495	27270180	27525118	27271931	0.93	cps
Barium	137-1	46272264	46631178	47175909	46693117	0.97	cps
Beryllium	9-1	4788664	4891033	4808448	4829382	1.12	cps
Bismuth	209-1	10672413	10631271	10716271	10673318	0.40	cps
Bismuth	209-2	4213289	4244059	4204715	4220688	0.49	cps
Bromine	81-1	28228	27297	28038	27854	1.77	cps
Cadmium	108-1	426237	433070	433507	430938	0.95	cps
Cadmium	106-1	622797	626385	633571	627584	0.87	cps
Cadmium	111-1	5488520	5499126	5669345	5552330	1.83	cps
Calcium	43-1	6633342	6832698	6755942	6740661	1.49	cps
Calcium	44-1	106319998	109603332	107906235	107943188	1.52	cps
Carbon	12-1	3798871	3823071	3786110	3802684	0.49	cps
Carbon	12-2	31347	31721	31420	31496	0.63	cps
Chlorine	35-1	163425	166804	171988	167406	2.58	cps
Chlorine	35-2	587	763	650	667	13.43	cps
Chromium	52-2	4334316	4318604	4365614	4339511	0.55	cps
Cobalt	59-2	8119750	7996160	7869893	7995268	1.56	cps
Copper	63-2	62727116	62342647	60945446	62005070	1.51	cps
Dysprosium	156-1	643	670	607	640	4.97	cps
Dysprosium	156-2	107	130	77	104	25.60	cps
Erbium	164-1	540	530	503	524	3.61	cps
Erbium	164-2	223	210	203	212	4.80	cps
Gadolinium	160-1	443	390	423	419	6.43	cps
Gadolinium	160-2	143	163	143	150	7.70	cps
Holmium	165-1	18519423	18323329	18642293	18495015	0.87	cps
Holmium	165-2	6316293	6331384	6514604	6387427	1.73	cps
Indium	115-1	14479410	14470165	14834710	14594761	1.42	cps
Indium	115-2	1397749	1408635	1402607	1402997	0.39	cps
Iron	54-2	8935842	9025365	8730410	8897206	1.70	cps
Iron	56-2	163556938	161594674	164329728	163160446	0.86	cps
Iron	57-2	4153875	4054954	4137122	4115317	1.29	cps
Krypton	83-1	330	243	303	292	15.19	cps
Lead	206-1	80980069	82350957	82389925	81906984	0.98	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S7 Instrumnet Name : P8
Client Sample ID : S7 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:15:28 DataFile Name : 011CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	69239687	70525712	70149777	69971726	0.95	cps
Lead	208-1	321124274	324749094	324058047	323310471	0.60	cps
Lithium	6-1	4862459	4813401	4967723	4881194	1.62	cps
Magnesium	24-2	24907092	25205132	24826523	24979582	0.80	cps
Manganese	55-2	18531518	18212541	18441338	18395133	0.89	cps
Molybdenum	94-1	76077752	77638809	78345352	77353971	1.50	cps
Molybdenum	95-1	110551092	112774878	112217635	111847868	1.03	cps
Molybdenum	96-1	121908905	124098151	122692132	122899729	0.90	cps
Molybdenum	97-1	68007171	70903379	71090301	70000283	2.47	cps
Molybdenum	98-1	178504397	181788377	183322117	181204964	1.36	cps
Neodymium	150-1	2040	2180	2140	2120	3.40	cps
Neodymium	150-2	137	157	163	152	9.12	cps
Nickel	60-2	2300153	2237089	2269374	2268872	1.39	cps
Phosphorus	31-2	70721	71404	71261	71129	0.51	cps
Potassium	39-2	7882324	8064525	7820683	7922511	1.60	cps
Rhodium	103-1	13348576	13124542	13323011	13265377	0.92	cps
Rhodium	103-2	5235369	5174564	5157902	5189278	0.79	cps
Scandium	45-1	9314964	9473416	9617973	9468784	1.60	cps
Scandium	45-2	182537	186683	185979	185066	1.20	cps
Selenium	82-1	323186	328039	331164	327463	1.23	cps
Selenium	77-2	5648	5715	5528	5630	1.68	cps
Selenium	78-2	19016	18666	18679	18787	1.06	cps
Silicon	28-1	131953105	130982918	132212268	131716097	0.49	cps
Silver	107-1	27654847	28022034	27496524	27724468	0.97	cps
Silver	109-1	25788296	26284780	26254825	26109300	1.07	cps
Sodium	23-2	49461891	50146079	49682171	49763380	0.70	cps
Strontium	86-1	7095693	7160015	7414096	7223268	2.33	cps
Strontium	88-1	61693176	63507611	62703176	62634654	1.45	cps
Sulfur	34-1	2064048	2043436	2068072	2058518	0.64	cps
Terbium	159-1	18982063	19402029	18923931	19102675	1.37	cps
Terbium	159-2	6152430	6182942	6106243	6147205	0.63	cps
Thallium	203-1	19840331	20205644	20141221	20062399	0.97	cps
Thallium	205-1	46651283	47677821	47570421	47299842	1.19	cps
Tin	118-1	18326475	18850671	18398244	18525130	1.53	cps
Titanium	47-1	29430460	30305247	29905465	29880390	1.47	cps
Uranium	238-1	61675416	63841409	64123669	63213498	2.12	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S7 Instrumnet Name : P8
Client Sample ID : S7 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:15:28 DataFile Name : 011CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	3382360	3359257	3262426	3334681	1.91	cps
Ytterbium	172-1	553	600	603	586	4.77	cps
Ytterbium	172-2	243	223	217	228	6.09	cps
Ytterbium	176-1	98577	100210	100600	99796	1.08	cps
Ytterbium	176-2	33335	33990	33646	33657	0.97	cps
Yttrium	89-1	26984815	27505334	27749374	27413174	1.42	cps
Yttrium	89-2	2016671	1949252	2052197	2006040	2.61	cps
Zinc	66-2	6905492	6880258	6797792	6861181	0.82	cps
Zirconium	90-1	38344649	39046322	40079334	39156768	2.23	cps
Zirconium	91-1	8518986	8708349	8712308	8646548	1.28	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S8 Instrumnet Name : P8
Client Sample ID : S8 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:18:15 DataFile Name : 012CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6825012	6796308	6846721	6822680	0.37	cps
Antimony	121-1	12055	10704	10704	11155	6.99	cps
Arsenic	75-2	210	217	227	218	3.85	cps
Barium	135-1	11909	11949	11895	11918	0.23	cps
Barium	137-1	21474	20439	20706	20873	2.57	cps
Beryllium	9-1	991	811	669	823	19.60	cps
Bismuth	209-1	9554422	9515391	9597518	9555777	0.43	cps
Bismuth	209-2	3803588	3819830	3794580	3806000	0.34	cps
Bromine	81-1	26756	26822	26512	26697	0.61	cps
Cadmium	108-1	233	240	277	250	9.33	cps
Cadmium	106-1	8863	8966	8910	8913	0.58	cps
Cadmium	111-1	7067	7065	7026	7053	0.33	cps
Calcium	43-1	31820541	31809800	31877380	31835907	0.11	cps
Calcium	44-1	517034099	511491939	519633779	516053272	0.81	cps
Carbon	12-1	3510328	3522907	3467412	3500216	0.83	cps
Carbon	12-2	35700	35546	35773	35673	0.33	cps
Chlorine	35-1	112305	112449	114135	112963	0.90	cps
Chlorine	35-2	457	503	517	492	6.40	cps
Chromium	52-2	5968	6128	5998	6031	1.41	cps
Cobalt	59-2	8920	8866	8322	8703	3.80	cps
Copper	63-2	9820	9780	9867	9822	0.44	cps
Dysprosium	156-1	1153	1157	1200	1170	2.23	cps
Dysprosium	156-2	420	307	377	368	15.55	cps
Erbium	164-1	2387	2280	2387	2351	2.62	cps
Erbium	164-2	727	887	907	840	11.75	cps
Gadolinium	160-1	1240	1170	1207	1206	2.90	cps
Gadolinium	160-2	413	443	577	478	18.20	cps
Holmium	165-1	17897126	18009893	17562789	17823269	1.30	cps
Holmium	165-2	6092989	6010994	6134070	6079351	1.03	cps
Indium	115-1	13905201	13818790	13756278	13826756	0.54	cps
Indium	115-2	1381259	1392412	1390675	1388115	0.43	cps
Iron	54-2	40748591	40951046	41232764	40977467	0.59	cps
Iron	56-2	762307535	764409909	762634122	763117189	0.15	cps
Iron	57-2	19404391	19019781	19474780	19299651	1.27	cps
Krypton	83-1	310	303	377	330	12.29	cps
Lead	206-1	58913	57440	58401	58251	1.28	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S8 Instrumnet Name : P8
Client Sample ID : S8 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:18:15 DataFile Name : 012CAL.S.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	51214	49400	49534	50049	2.02	cps
Lead	208-1	231469	228421	229234	229708	0.69	cps
Lithium	6-1	4427750	4350448	4428918	4402372	1.02	cps
Magnesium	24-2	117125908	115316535	115255752	115899398	0.92	cps
Manganese	55-2	7762	7972	7992	7909	1.61	cps
Molybdenum	94-1	20145	19210	19340	19565	2.59	cps
Molybdenum	95-1	15319	13860	13166	14115	7.78	cps
Molybdenum	96-1	28035	26502	25841	26793	4.20	cps
Molybdenum	97-1	9400	8159	7719	8426	10.35	cps
Molybdenum	98-1	22508	20358	18846	20571	8.95	cps
Neodymium	150-1	447	547	423	472	13.87	cps
Neodymium	150-2	120	137	117	124	8.61	cps
Nickel	60-2	5131	5321	5311	5254	2.04	cps
Phosphorus	31-2	67	83	87	79	13.58	cps
Potassium	39-2	37585948	37821217	38279028	37895397	0.93	cps
Rhodium	103-1	11889448	11927474	11998953	11938625	0.47	cps
Rhodium	103-2	4587188	4591231	4717461	4631960	1.60	cps
Scandium	45-1	8842766	8834472	8887495	8854911	0.32	cps
Scandium	45-2	170009	173221	171115	171448	0.95	cps
Selenium	82-1	263	290	233	262	10.81	cps
Selenium	77-2	7	3	3	4	43.40	cps
Selenium	78-2	27	20	27	24	15.75	cps
Silicon	28-1	554010	653111	646243	617788	8.96	cps
Silver	107-1	3287	2920	2644	2950	10.94	cps
Silver	109-1	2904	2554	2407	2621	9.74	cps
Sodium	23-2	233042790	234437310	227981770	231820623	1.47	cps
Strontium	86-1	23890	23890	24151	23977	0.63	cps
Strontium	88-1	205043	204586	205478	205036	0.22	cps
Sulfur	34-1	434804	434710	432509	434008	0.30	cps
Terbium	159-1	18389495	18209294	17915711	18171500	1.32	cps
Terbium	159-2	5875526	5929287	5932097	5912303	0.54	cps
Thallium	203-1	1733	1633	1577	1648	4.81	cps
Thallium	205-1	4551	4017	3621	4063	11.49	cps
Tin	118-1	5781	5338	5324	5481	4.74	cps
Titanium	47-1	3057	2804	2687	2849	6.64	cps
Uranium	238-1	3591	2954	2547	3030	17.36	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : S8 Instrumnet Name : P8
Client Sample ID : S8 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:18:15 DataFile Name : 012CALS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	930	917	890	912	2.23	cps
Ytterbium	172-1	1770	1747	1713	1743	1.63	cps
Ytterbium	172-2	693	653	777	708	8.89	cps
Ytterbium	176-1	3244	3277	3224	3248	0.83	cps
Ytterbium	176-2	997	1053	993	1014	3.32	cps
Yttrium	89-1	26696700	25882472	26196973	26258715	1.56	cps
Yttrium	89-2	1963572	1962550	1938374	1954832	0.73	cps
Zinc	66-2	29130	28843	29360	29111	0.89	cps
Zirconium	90-1	31719	32404	31151	31758	1.98	cps
Zirconium	91-1	7239	6902	7032	7057	2.41	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICV01 Instrumnet Name : P8
Client Sample ID : ICV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:30:41 DataFile Name : 014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	38320	37455	37752	37843	1.16	cps
Antimony	121-1	4779780	4829750	4865699	4825076	0.89	cps
Arsenic	75-2	97883	98397	97413	97898	0.50	cps
Barium	135-1	562022	568202	573695	567973	1.03	cps
Barium	137-1	979101	992840	990579	987507	0.75	cps
Beryllium	9-1	551355	564415	562219	559329	1.25	cps
Bismuth	209-1	11863442	11912284	11756122	11843949	0.67	cps
Bismuth	209-2	4898911	4826530	4844606	4856682	0.78	cps
Bromine	81-1	31395	31328	30623	31116	1.37	cps
Cadmium	108-1	39316	40021	40259	39865	1.23	cps
Cadmium	106-1	63576	64979	65330	64628	1.44	cps
Cadmium	111-1	597757	615471	615801	609677	1.69	cps
Calcium	43-1	142401	143875	142349	142875	0.61	cps
Calcium	44-1	2318284	2333107	2320992	2324127	0.34	cps
Carbon	12-1	4023973	4053881	4075471	4051108	0.64	cps
Carbon	12-2	31527	32142	32285	31985	1.26	cps
Chlorine	35-1	136315	137738	138559	137537	0.83	cps
Chlorine	35-2	553	497	550	533	5.96	cps
Chromium	52-2	478725	479262	474675	477554	0.53	cps
Cobalt	59-2	925203	921453	923808	923488	0.21	cps
Copper	63-2	737073	738427	732058	735853	0.46	cps
Dysprosium	156-1	40	27	23	30	29.40	cps
Dysprosium	156-2	0	7	7	4	86.60	cps
Erbium	164-1	150	137	200	162	20.58	cps
Erbium	164-2	60	17	20	32	74.83	cps
Gadolinium	160-1	163	87	117	122	31.61	cps
Gadolinium	160-2	10	27	17	18	47.19	cps
Holmium	165-1	19431722	19721318	19420941	19524660	0.87	cps
Holmium	165-2	6900457	6893032	6819422	6870970	0.65	cps
Indium	115-1	16720634	16871370	16773190	16788398	0.46	cps
Indium	115-2	1816500	1820670	1809549	1815573	0.31	cps
Iron	54-2	400257	398048	393810	397371	0.82	cps
Iron	56-2	7129626	7195394	7168214	7164411	0.46	cps
Iron	57-2	178091	178274	178476	178280	0.11	cps
Krypton	83-1	207	230	323	253	24.37	cps
Lead	206-1	3776223	3699657	3755724	3743868	1.06	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICV01 Instrumnet Name : P8
Client Sample ID : ICV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:30:41 DataFile Name : 014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	3134458	3119597	3134147	3129401	0.27	cps
Lead	208-1	14499975	14522522	14695058	14572518	0.73	cps
Lithium	6-1	5159938	5267006	5462237	5296394	2.89	cps
Magnesium	24-2	315719	318721	319321	317920	0.61	cps
Manganese	55-2	206060	207547	206962	206856	0.36	cps
Molybdenum	94-1	1430	1283	1497	1403	7.78	cps
Molybdenum	95-1	627	693	750	690	8.95	cps
Molybdenum	96-1	1207	1027	1060	1098	8.72	cps
Molybdenum	97-1	383	413	443	413	7.26	cps
Molybdenum	98-1	1053	1130	1070	1084	3.72	cps
Neodymium	150-1	73	67	83	74	11.26	cps
Neodymium	150-2	3	3	3	3	0.00	cps
Nickel	60-2	272693	271635	272967	272432	0.26	cps
Phosphorus	31-2	80	73	67	73	9.09	cps
Potassium	39-2	356222	360673	354389	357095	0.91	cps
Rhodium	103-1	15671531	15596296	15519916	15595914	0.49	cps
Rhodium	103-2	6127504	6162125	6181833	6157154	0.45	cps
Scandium	45-1	10422134	10434850	10593905	10483630	0.91	cps
Scandium	45-2	201074	201604	201057	201245	0.15	cps
Selenium	82-1	74551	75852	76036	75480	1.07	cps
Selenium	77-2	1227	1453	1320	1333	8.54	cps
Selenium	78-2	4587	4461	4694	4581	2.55	cps
Silicon	28-1	521417	542642	529326	531128	2.02	cps
Silver	107-1	1379703	1424994	1446003	1416900	2.39	cps
Silver	109-1	1320730	1360878	1359246	1346951	1.69	cps
Sodium	23-2	1099007	1079782	1081351	1086713	0.98	cps
Strontium	86-1	2300	2177	2417	2298	5.22	cps
Strontium	88-1	17074	17141	16807	17007	1.04	cps
Sulfur	34-1	524861	523165	522487	523505	0.23	cps
Terbium	159-1	20175198	20408617	20385118	20322978	0.63	cps
Terbium	159-2	6692770	6633407	6823831	6716669	1.45	cps
Thallium	203-1	4618410	4645325	4602461	4622065	0.47	cps
Thallium	205-1	10860304	10812895	10806787	10826662	0.27	cps
Tin	118-1	3671	3811	3937	3806	3.51	cps
Titanium	47-1	280	307	313	300	5.88	cps
Uranium	238-1	243	217	240	233	6.23	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICV01 Instrumnet Name : P8
Client Sample ID : ICV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:30:41 DataFile Name : 014ICV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	362604	358107	354079	358263	1.19	cps
Ytterbium	172-1	133	163	113	137	18.41	cps
Ytterbium	172-2	77	53	100	77	30.44	cps
Ytterbium	176-1	2444	2540	2534	2506	2.15	cps
Ytterbium	176-2	637	680	720	679	6.14	cps
Yttrium	89-1	30337868	30494100	29832271	30221413	1.14	cps
Yttrium	89-2	2242115	2260293	2280951	2261120	0.86	cps
Zinc	66-2	160271	160093	160953	160439	0.28	cps
Zirconium	90-1	2460	2627	2757	2615	5.69	cps
Zirconium	91-1	1173	1097	1090	1120	4.13	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : LLICV01 Instrumnet Name : P8
Client Sample ID : LLICV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:33:52 DataFile Name : 015LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1690	1770	1790	1750	3.02	cps
Antimony	121-1	47679	47335	48542	47852	1.30	cps
Arsenic	75-2	500	543	470	504	7.31	cps
Barium	135-1	54439	54536	54720	54565	0.26	cps
Barium	137-1	94711	95786	97266	95921	1.34	cps
Beryllium	9-1	6076	6084	6261	6140	1.70	cps
Bismuth	209-1	11834535	11728994	12041298	11868276	1.34	cps
Bismuth	209-2	4899384	4844034	4783284	4842234	1.20	cps
Bromine	81-1	30871	31328	31602	31267	1.18	cps
Cadmium	108-1	437	443	417	432	3.21	cps
Cadmium	106-1	10467	10474	10794	10579	1.77	cps
Cadmium	111-1	12363	12303	12735	12467	1.88	cps
Calcium	43-1	36038	37188	36322	36516	1.64	cps
Calcium	44-1	600684	609560	611472	607239	0.95	cps
Carbon	12-1	3733044	3659444	3766726	3719738	1.47	cps
Carbon	12-2	29299	29256	29673	29409	0.78	cps
Chlorine	35-1	111569	109695	109708	110324	0.98	cps
Chlorine	35-2	480	360	403	414	14.66	cps
Chromium	52-2	10707	10267	10224	10399	2.57	cps
Cobalt	59-2	9677	9547	9266	9497	2.21	cps
Copper	63-2	16096	16443	16053	16197	1.32	cps
Dysprosium	156-1	27	27	23	26	7.55	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	167	150	120	146	16.25	cps
Erbium	164-2	40	13	53	36	57.29	cps
Gadolinium	160-1	150	140	157	149	5.64	cps
Gadolinium	160-2	40	10	23	24	61.49	cps
Holmium	165-1	19555491	19746590	19600378	19634153	0.51	cps
Holmium	165-2	7042190	6950460	6805439	6932696	1.72	cps
Indium	115-1	16830588	16976874	16848955	16885472	0.47	cps
Indium	115-2	1822431	1777284	1812438	1804051	1.31	cps
Iron	54-2	10461	10571	10624	10552	0.79	cps
Iron	56-2	187611	187337	186401	187116	0.34	cps
Iron	57-2	4677	4781	4454	4637	3.60	cps
Krypton	83-1	257	243	253	251	2.76	cps
Lead	206-1	15609	15710	16474	15931	2.97	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : LLICV01 Instrumnet Name : P8
Client Sample ID : LLICV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:33:52 DataFile Name : 015LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	13397	13707	13587	13564	1.15	cps
Lead	208-1	61698	62573	63127	62466	1.15	cps
Lithium	6-1	5177915	5477084	5290847	5315282	2.84	cps
Magnesium	24-2	138080	136654	135647	136794	0.89	cps
Manganese	55-2	6258	6421	6208	6296	1.77	cps
Molybdenum	94-1	49167	49712	49989	49623	0.84	cps
Molybdenum	95-1	58372	58091	59302	58588	1.08	cps
Molybdenum	96-1	64435	64525	64609	64523	0.13	cps
Molybdenum	97-1	35342	36187	36839	36122	2.08	cps
Molybdenum	98-1	92200	94633	93687	93507	1.31	cps
Neodymium	150-1	10	10	23	14	53.28	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	2660	2574	2484	2572	3.43	cps
Phosphorus	31-2	993	937	980	970	3.05	cps
Potassium	39-2	99033	98547	98873	98818	0.25	cps
Rhodium	103-1	15487452	15480222	15575841	15514505	0.34	cps
Rhodium	103-2	6236074	6084395	6168181	6162883	1.23	cps
Scandium	45-1	10423762	10364508	10533991	10440754	0.82	cps
Scandium	45-2	205076	201294	199303	201891	1.45	cps
Selenium	82-1	1840	1720	1877	1812	4.52	cps
Selenium	77-2	33	30	43	36	19.51	cps
Selenium	78-2	123	120	107	117	7.56	cps
Silicon	28-1	596278	649558	620287	622041	4.29	cps
Silver	107-1	32157	31559	32796	32171	1.92	cps
Silver	109-1	30013	30093	30233	30113	0.37	cps
Sodium	23-2	305385	307496	300652	304511	1.15	cps
Strontium	86-1	8279	7862	7949	8030	2.74	cps
Strontium	88-1	65914	66725	67251	66630	1.01	cps
Sulfur	34-1	552629	554832	555815	554425	0.29	cps
Terbium	159-1	20229541	20340838	20031661	20200680	0.78	cps
Terbium	159-2	6716037	6672514	6694613	6694388	0.33	cps
Thallium	203-1	21121	21034	21117	21091	0.23	cps
Thallium	205-1	49631	48788	50792	49737	2.02	cps
Tin	118-1	99267	98820	99149	99078	0.23	cps
Titanium	47-1	17007	17671	17484	17387	1.97	cps
Uranium	238-1	61009	62278	61485	61591	1.04	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : LLICV01 Instrumnet Name : P8
Client Sample ID : LLICV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:33:52 DataFile Name : 015LLIC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	17761	17968	17544	17758	1.19	cps
Ytterbium	172-1	150	127	140	139	8.43	cps
Ytterbium	172-2	47	53	53	51	7.52	cps
Ytterbium	176-1	2577	2600	2664	2614	1.72	cps
Ytterbium	176-2	790	727	693	737	6.67	cps
Yttrium	89-1	30311193	30636549	30248760	30398834	0.68	cps
Yttrium	89-2	2290623	2262224	2290739	2281196	0.72	cps
Zinc	66-2	4334	4284	4257	4292	0.91	cps
Zirconium	90-1	44200	44748	45598	44849	1.57	cps
Zirconium	91-1	9760	10124	10097	9994	2.03	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICB01 Instrumnet Name : P8
Client Sample ID : ICB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:37:25 DataFile Name : 016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	170	157	133	153	12.10	cps
Antimony	121-1	363	427	413	401	8.32	cps
Arsenic	75-2	0	20	17	12	87.67	cps
Barium	135-1	137	113	123	124	9.41	cps
Barium	137-1	173	187	190	183	4.81	cps
Beryllium	9-1	235	232	239	235	1.60	cps
Bismuth	209-1	12163725	12133060	11937789	12078191	1.01	cps
Bismuth	209-2	4879810	4979983	4894554	4918116	1.10	cps
Bromine	81-1	31849	31048	31325	31407	1.30	cps
Cadmium	108-1	33	27	40	33	20.00	cps
Cadmium	106-1	10167	10561	9864	10197	3.43	cps
Cadmium	111-1	7127	7424	6907	7152	3.63	cps
Calcium	43-1	770	817	830	806	3.91	cps
Calcium	44-1	28294	28448	27943	28228	0.92	cps
Carbon	12-1	3766932	3775010	3732928	3758290	0.59	cps
Carbon	12-2	29076	28922	29463	29153	0.96	cps
Chlorine	35-1	107730	108244	106944	107639	0.61	cps
Chlorine	35-2	347	310	310	322	6.57	cps
Chromium	52-2	1013	953	967	978	3.22	cps
Cobalt	59-2	77	87	73	79	8.80	cps
Copper	63-2	1650	1730	1727	1702	2.66	cps
Dysprosium	156-1	13	30	30	24	39.37	cps
Dysprosium	156-2	17	3	7	9	78.08	cps
Erbium	164-1	117	133	130	127	6.96	cps
Erbium	164-2	50	33	57	47	25.76	cps
Gadolinium	160-1	140	133	120	131	7.77	cps
Gadolinium	160-2	33	23	27	28	18.33	cps
Holmium	165-1	19743872	19760402	19974881	19826385	0.65	cps
Holmium	165-2	6879880	7161387	7005598	7015622	2.01	cps
Indium	115-1	17223616	17301885	16746031	17090511	1.76	cps
Indium	115-2	1780596	1858339	1870557	1836498	2.66	cps
Iron	54-2	600	580	543	574	5.00	cps
Iron	56-2	6168	6071	6538	6259	3.94	cps
Iron	57-2	160	150	240	183	26.91	cps
Krypton	83-1	287	243	263	264	8.20	cps
Lead	206-1	1347	1380	1343	1357	1.49	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICB01 Instrumnet Name : P8
Client Sample ID : ICB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:37:25 DataFile Name : 016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1190	1213	1050	1151	7.67	cps
Lead	208-1	5477	5554	5367	5466	1.72	cps
Lithium	6-1	5281937	5372989	5376985	5343970	1.01	cps
Magnesium	24-2	563	500	540	534	5.99	cps
Manganese	55-2	4447	4654	4541	4547	2.28	cps
Molybdenum	94-1	817	653	717	729	11.30	cps
Molybdenum	95-1	330	320	213	288	22.47	cps
Molybdenum	96-1	420	473	443	446	6.00	cps
Molybdenum	97-1	157	177	190	174	9.62	cps
Molybdenum	98-1	423	400	397	407	3.57	cps
Neodymium	150-1	7	17	7	10	57.72	cps
Neodymium	150-2	3	0	7	3	100.05	cps
Nickel	60-2	273	247	270	263	5.52	cps
Phosphorus	31-2	107	93	113	104	9.75	cps
Potassium	39-2	14811	14524	14477	14604	1.24	cps
Rhodium	103-1	16227904	16043772	15688041	15986572	1.72	cps
Rhodium	103-2	6240940	6377690	6336330	6318320	1.11	cps
Scandium	45-1	10631967	10765100	10616052	10671040	0.77	cps
Scandium	45-2	198839	205120	204369	202776	1.69	cps
Selenium	82-1	-33	-20	-27	-27	-24.99	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	23	37	20	27	33.08	cps
Silicon	28-1	554136	556982	528109	546409	2.91	cps
Silver	107-1	553	607	483	548	11.29	cps
Silver	109-1	503	373	400	426	16.14	cps
Sodium	23-2	37097	37191	37144	37144	0.13	cps
Strontium	86-1	460	410	507	459	10.53	cps
Strontium	88-1	450	530	477	486	8.39	cps
Sulfur	34-1	537687	540837	543214	540580	0.51	cps
Terbium	159-1	20887985	20407421	20319369	20538258	1.49	cps
Terbium	159-2	6728428	6869799	6712424	6770217	1.28	cps
Thallium	203-1	520	490	590	533	9.62	cps
Thallium	205-1	1163	1210	1150	1175	2.68	cps
Tin	118-1	3247	3574	3490	3437	4.94	cps
Titanium	47-1	213	277	227	239	13.98	cps
Uranium	238-1	167	150	157	158	5.32	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICB01 Instrumnet Name : P8
Client Sample ID : ICB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:37:25 DataFile Name : 016CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	13	10	7	10	33.30	cps
Ytterbium	172-1	107	173	133	138	24.35	cps
Ytterbium	172-2	40	77	70	62	31.39	cps
Ytterbium	176-1	2427	2557	2634	2539	4.12	cps
Ytterbium	176-2	767	667	760	731	7.65	cps
Yttrium	89-1	30780774	31172754	30386799	30780109	1.28	cps
Yttrium	89-2	2310549	2320903	2333207	2321553	0.49	cps
Zinc	66-2	423	457	360	413	11.88	cps
Zirconium	90-1	1673	1707	1773	1718	2.96	cps
Zirconium	91-1	350	340	367	352	3.83	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICSA01 Instrumnet Name : P8
Client Sample ID : ICSA01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:40:45 DataFile Name : 017ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6961414	7045561	6811427	6939467	1.71	cps
Antimony	121-1	25444	26108	25968	25840	1.36	cps
Arsenic	75-2	117	133	197	149	28.35	cps
Barium	135-1	7826	8076	7999	7967	1.61	cps
Barium	137-1	14054	13777	14101	13977	1.25	cps
Beryllium	9-1	1738	1697	1542	1659	6.24	cps
Bismuth	209-1	10832249	11140115	10950982	10974449	1.41	cps
Bismuth	209-2	4384029	4391441	4562457	4445976	2.27	cps
Bromine	81-1	31148	31105	31085	31112	0.10	cps
Cadmium	108-1	5998	5728	5815	5847	2.36	cps
Cadmium	106-1	9714	9333	9483	9510	2.01	cps
Cadmium	111-1	9943	9629	9687	9753	1.71	cps
Calcium	43-1	7038424	7093250	7206031	7112568	1.20	cps
Calcium	44-1	113939742	114337675	117265442	115180953	1.58	cps
Carbon	12-1	43856433	45590841	44422281	44623185	1.98	cps
Carbon	12-2	348694	351342	348233	349423	0.48	cps
Chlorine	35-1	93020242	99455862	103830998	98769034	5.51	cps
Chlorine	35-2	437911	446845	445029	443262	1.07	cps
Chromium	52-2	89806	88689	90638	89711	1.09	cps
Cobalt	59-2	9590	9960	9877	9809	1.98	cps
Copper	63-2	51443	50904	51289	51212	0.54	cps
Dysprosium	156-1	157	83	63	101	48.61	cps
Dysprosium	156-2	50	20	33	34	43.64	cps
Erbium	164-1	253	253	203	237	12.20	cps
Erbium	164-2	63	80	40	61	32.88	cps
Gadolinium	160-1	190	210	183	194	7.14	cps
Gadolinium	160-2	57	60	60	59	3.26	cps
Holmium	165-1	19240109	19540688	19329515	19370104	0.80	cps
Holmium	165-2	6685189	6706302	7102352	6831281	3.44	cps
Indium	115-1	15798004	15784228	15521578	15701270	0.99	cps
Indium	115-2	1648734	1656373	1692808	1665972	1.41	cps
Iron	54-2	18208650	18165465	18267920	18214012	0.28	cps
Iron	56-2	339731188	342389062	338284048	340134766	0.61	cps
Iron	57-2	8626187	8388759	8485764	8500237	1.40	cps
Krypton	83-1	283	290	297	290	2.30	cps
Lead	206-1	75977	75810	75025	75604	0.67	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICSA01 Instrumnet Name : P8
Client Sample ID : ICSA01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:40:45 DataFile Name : 017ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	60155	60126	60480	60254	0.33	cps
Lead	208-1	280642	287082	283059	283594	1.15	cps
Lithium	6-1	5130140	5029405	5135503	5098349	1.17	cps
Magnesium	24-2	24374414	24926157	24442303	24580958	1.22	cps
Manganese	55-2	18188	18168	18015	18124	0.52	cps
Molybdenum	94-1	13114533	13169772	13243128	13175811	0.49	cps
Molybdenum	95-1	23343620	23350702	23663754	23452692	0.78	cps
Molybdenum	96-1	25008001	24700807	24818535	24842448	0.62	cps
Molybdenum	97-1	14305681	14213793	14487753	14335742	0.97	cps
Molybdenum	98-1	37692666	37190956	37566455	37483359	0.70	cps
Neodymium	150-1	137	110	127	124	10.83	cps
Neodymium	150-2	40	23	27	30	29.40	cps
Nickel	60-2	12739	13049	12619	12803	1.73	cps
Phosphorus	31-2	383593	384990	380466	383016	0.60	cps
Potassium	39-2	16806107	16608778	16607221	16674035	0.69	cps
Rhodium	103-1	13985501	13836336	13991810	13937883	0.63	cps
Rhodium	103-2	5542018	5545869	5839373	5642420	3.02	cps
Scandium	45-1	10216792	10158099	10202070	10192320	0.30	cps
Scandium	45-2	189459	192302	201419	194393	3.21	cps
Selenium	82-1	50	60	17	42	53.73	cps
Selenium	77-2	0	3	3	2	86.60	cps
Selenium	78-2	13	17	23	18	28.64	cps
Silicon	28-1	823595	865932	835663	841730	2.59	cps
Silver	107-1	1963	1673	1463	1700	14.77	cps
Silver	109-1	1860	1437	1303	1533	18.96	cps
Sodium	23-2	51095958	51990683	50735099	51273913	1.26	cps
Strontium	86-1	251495	252197	252552	252081	0.21	cps
Strontium	88-1	2317980	2251196	2262306	2277160	1.57	cps
Sulfur	34-1	9076050	8838749	9075812	8996870	1.52	cps
Terbium	159-1	20167238	19814163	20058225	20013208	0.90	cps
Terbium	159-2	6519390	6494718	6778684	6597598	2.38	cps
Thallium	203-1	2414	3224	3891	3176	23.29	cps
Thallium	205-1	5688	7612	8820	7373	21.42	cps
Tin	118-1	7512	7222	6758	7164	5.31	cps
Titanium	47-1	6471146	6529219	6613873	6538079	1.10	cps
Uranium	238-1	1110	1187	1063	1120	5.56	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICSA01 Instrumnet Name : P8
Client Sample ID : ICSA01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:40:45 DataFile Name : 017ICSA.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	603	443	457	501	17.72	cps
Ytterbium	172-1	153	120	190	154	22.67	cps
Ytterbium	172-2	50	43	60	51	16.42	cps
Ytterbium	176-1	2400	2284	2427	2370	3.22	cps
Ytterbium	176-2	657	667	797	707	11.05	cps
Yttrium	89-1	29290000	29062370	28703265	29018545	1.02	cps
Yttrium	89-2	2151058	2179475	2253133	2194556	2.40	cps
Zinc	66-2	8069	8162	8309	8180	1.48	cps
Zirconium	90-1	2260	2507	2660	2476	8.15	cps
Zirconium	91-1	543	570	583	566	3.60	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICSAB01 Instrumnet Name : P8
Client Sample ID : ICSAB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:43:52 DataFile Name : 018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	6854536	6919085	6912548	6895390	0.52	cps
Antimony	121-1	486510	497473	498670	494217	1.36	cps
Arsenic	75-2	10067	9927	9800	9931	1.34	cps
Barium	135-1	120164	121530	123015	121569	1.17	cps
Barium	137-1	211362	211649	213430	212147	0.53	cps
Beryllium	9-1	109569	110524	111620	110571	0.93	cps
Bismuth	209-1	10864458	10987374	10926571	10926134	0.56	cps
Bismuth	209-2	4393511	4459465	4429720	4427565	0.75	cps
Bromine	81-1	33560	33837	35161	34186	2.50	cps
Cadmium	108-1	13797	13397	13523	13572	1.51	cps
Cadmium	106-1	19063	20235	19220	19506	3.26	cps
Cadmium	111-1	120974	123325	124981	123093	1.64	cps
Calcium	43-1	6974854	7019874	7116298	7037009	1.03	cps
Calcium	44-1	112121938	115070608	114401978	113864842	1.36	cps
Carbon	12-1	43980371	44463704	45517619	44653898	1.76	cps
Carbon	12-2	349967	353068	352135	351723	0.45	cps
Chlorine	35-1	100310502	106558432	107693622	104854185	3.79	cps
Chlorine	35-2	457874	459849	466269	461331	0.95	cps
Chromium	52-2	180467	183089	183751	182436	0.95	cps
Cobalt	59-2	182598	182353	181728	182226	0.25	cps
Copper	63-2	185248	185333	184246	184942	0.33	cps
Dysprosium	156-1	110	83	117	103	17.07	cps
Dysprosium	156-2	37	27	33	32	15.80	cps
Erbium	164-1	240	220	253	238	7.06	cps
Erbium	164-2	60	80	77	72	14.84	cps
Gadolinium	160-1	203	227	277	236	15.90	cps
Gadolinium	160-2	73	77	80	77	4.35	cps
Holmium	165-1	19823030	19432402	19830891	19695441	1.16	cps
Holmium	165-2	6805107	6864253	6745813	6805058	0.87	cps
Indium	115-1	15995935	16023725	16268297	16095986	0.93	cps
Indium	115-2	1694460	1661223	1674447	1676710	1.00	cps
Iron	54-2	18565964	18109238	18462417	18379207	1.30	cps
Iron	56-2	341111782	337705202	345186635	341334539	1.10	cps
Iron	57-2	8690525	8634475	8638064	8654355	0.36	cps
Krypton	83-1	297	327	383	336	13.12	cps
Lead	206-1	463710	464698	468678	465695	0.56	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICSAB01 Instrumnet Name : P8
Client Sample ID : ICSAB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:43:52 DataFile Name : 018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	390369	395272	392920	392854	0.62	cps
Lead	208-1	1790783	1819158	1810376	1806772	0.80	cps
Lithium	6-1	5246431	5047705	5088615	5127584	2.05	cps
Magnesium	24-2	24695635	24789156	24495713	24660168	0.61	cps
Manganese	55-2	57632	56565	56699	56965	1.02	cps
Molybdenum	94-1	13140366	13183036	13511122	13278175	1.53	cps
Molybdenum	95-1	23075913	23046419	23903111	23341814	2.08	cps
Molybdenum	96-1	24824770	24857488	25356861	25013040	1.19	cps
Molybdenum	97-1	14351545	14368561	14817896	14512667	1.82	cps
Molybdenum	98-1	37587567	37598540	38081135	37755747	0.75	cps
Neodymium	150-1	110	153	137	133	16.40	cps
Neodymium	150-2	33	23	27	28	18.33	cps
Nickel	60-2	58456	59360	58915	58910	0.77	cps
Phosphorus	31-2	382699	380872	382355	381975	0.25	cps
Potassium	39-2	16518103	16780906	16996319	16765109	1.43	cps
Rhodium	103-1	14413547	14321108	14472688	14402448	0.53	cps
Rhodium	103-2	5561114	5495811	5533880	5530268	0.59	cps
Scandium	45-1	10116388	10314081	10275205	10235225	1.02	cps
Scandium	45-2	195157	195120	193985	194754	0.34	cps
Selenium	82-1	7299	7532	7729	7520	2.86	cps
Selenium	77-2	127	157	120	134	14.53	cps
Selenium	78-2	447	490	523	487	7.90	cps
Silicon	28-1	837431	851248	871185	853288	1.99	cps
Silver	107-1	537697	554120	554457	548758	1.75	cps
Silver	109-1	513145	523195	517978	518106	0.97	cps
Sodium	23-2	51804231	51824033	51094673	51574312	0.81	cps
Strontium	86-1	253489	253444	256484	254472	0.68	cps
Strontium	88-1	2286843	2301726	2319114	2302561	0.70	cps
Sulfur	34-1	8927737	8806894	9020065	8918232	1.20	cps
Terbium	159-1	20331210	20329396	20311481	20324029	0.05	cps
Terbium	159-2	6522474	6549646	6535175	6535765	0.21	cps
Thallium	203-1	413187	415268	420067	416174	0.85	cps
Thallium	205-1	971308	991576	983399	982094	1.04	cps
Tin	118-1	7129	7059	7059	7082	0.57	cps
Titanium	47-1	6224418	6641165	6514185	6459922	3.31	cps
Uranium	238-1	2004	1997	2050	2017	1.44	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : ICSAB01 Instrumnet Name : P8
Client Sample ID : ICSAB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:43:52 DataFile Name : 018ICSB.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	72003	70891	72020	71638	0.90	cps
Ytterbium	172-1	187	120	160	156	21.57	cps
Ytterbium	172-2	50	60	77	62	21.65	cps
Ytterbium	176-1	2630	2357	2537	2508	5.54	cps
Ytterbium	176-2	623	677	607	636	5.75	cps
Yttrium	89-1	30362803	29619118	29907630	29963184	1.25	cps
Yttrium	89-2	2202397	2180457	2183637	2188830	0.54	cps
Zinc	66-2	23202	23343	22708	23084	1.44	cps
Zirconium	90-1	2227	2420	2527	2391	6.36	cps
Zirconium	91-1	560	663	623	616	8.46	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV01 Instrumnet Name : P8
Client Sample ID : CCV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:51:26 DataFile Name : 020CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3764763	3890257	3825600	3826873	1.64	cps
Antimony	121-1	11578245	11666830	11700451	11648509	0.54	cps
Arsenic	75-2	236580	236708	236018	236435	0.16	cps
Barium	135-1	14010058	14124754	14072802	14069204	0.41	cps
Barium	137-1	24364138	24375915	24011763	24250605	0.85	cps
Beryllium	9-1	2459027	2478219	2489495	2475581	0.62	cps
Bismuth	209-1	10176918	10054099	10026913	10085977	0.79	cps
Bismuth	209-2	4104088	4130423	4112052	4115521	0.33	cps
Bromine	81-1	31305	32103	32120	31843	1.46	cps
Cadmium	108-1	215814	221830	221421	219689	1.53	cps
Cadmium	106-1	320632	328520	326618	325257	1.27	cps
Cadmium	111-1	2858489	2843042	2880254	2860595	0.65	cps
Calcium	43-1	16481038	16822857	16775099	16692998	1.11	cps
Calcium	44-1	269294089	270109723	273692823	271032212	0.86	cps
Carbon	12-1	3830282	3892128	3873024	3865145	0.82	cps
Carbon	12-2	35219	35396	34841	35152	0.81	cps
Chlorine	35-1	1441986	1403148	1371613	1405582	2.51	cps
Chlorine	35-2	5461	5348	5201	5337	2.44	cps
Chromium	52-2	2350227	2347569	2357437	2351744	0.22	cps
Cobalt	59-2	4271137	4234268	4316463	4273956	0.96	cps
Copper	63-2	32728575	32608128	32619266	32651990	0.20	cps
Dysprosium	156-1	907	680	700	762	16.47	cps
Dysprosium	156-2	160	207	187	184	12.69	cps
Erbium	164-1	717	720	660	699	4.83	cps
Erbium	164-2	270	220	217	236	12.69	cps
Gadolinium	160-1	573	493	563	543	8.02	cps
Gadolinium	160-2	217	207	223	216	3.89	cps
Holmium	165-1	18615680	18365956	18403001	18461546	0.73	cps
Holmium	165-2	6538765	6494211	6690952	6574643	1.57	cps
Indium	115-1	14963530	14849226	15036821	14949859	0.63	cps
Indium	115-2	1491817	1502722	1507905	1500815	0.55	cps
Iron	54-2	24013620	23708317	24103429	23941789	0.87	cps
Iron	56-2	442803247	444405833	441857313	443022131	0.29	cps
Iron	57-2	11144662	11240718	11283557	11222979	0.63	cps
Krypton	83-1	353	307	343	334	7.35	cps
Lead	206-1	40143972	39884829	40316582	40115127	0.54	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV01 Instrumnet Name : P8
Client Sample ID : CCV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:51:26 DataFile Name : 020CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	34264159	34386688	34210628	34287158	0.26	cps
Lead	208-1	159062132	159101425	158723390	158962316	0.13	cps
Lithium	6-1	4697600	4664652	4746857	4703036	0.88	cps
Magnesium	24-2	63163841	63986662	63219221	63456575	0.72	cps
Manganese	55-2	9938983	9843480	9778689	9853718	0.82	cps
Molybdenum	94-1	40535357	41246574	41443060	41074997	1.16	cps
Molybdenum	95-1	57784441	59456336	60107699	59116159	2.03	cps
Molybdenum	96-1	64427332	65225341	65324906	64992526	0.76	cps
Molybdenum	97-1	36364067	36870609	37229369	36821348	1.18	cps
Molybdenum	98-1	93794972	96830529	97304199	95976566	1.98	cps
Neodymium	150-1	1273	1293	1210	1259	3.46	cps
Neodymium	150-2	103	120	113	112	7.48	cps
Nickel	60-2	1097792	1094848	1110810	1101150	0.77	cps
Phosphorus	31-2	39377	38638	38535	38850	1.18	cps
Potassium	39-2	22307136	22280005	22455750	22347630	0.42	cps
Rhodium	103-1	13241973	13304694	13349654	13298774	0.41	cps
Rhodium	103-2	5249704	5311506	5303630	5288280	0.64	cps
Scandium	45-1	9717241	9732805	9707444	9719164	0.13	cps
Scandium	45-2	190108	190007	192103	190739	0.62	cps
Selenium	82-1	166976	170065	168918	168653	0.93	cps
Selenium	77-2	2947	3147	2770	2955	6.38	cps
Selenium	78-2	10684	10404	10627	10572	1.40	cps
Silicon	28-1	71132739	70335634	70155976	70541450	0.74	cps
Silver	107-1	13615601	14192982	13925009	13911197	2.08	cps
Silver	109-1	12996564	13319716	13111771	13142684	1.25	cps
Sodium	23-2	124320258	122313718	125370975	124001650	1.25	cps
Strontium	86-1	3837726	3852557	3829588	3839957	0.30	cps
Strontium	88-1	32325670	33469977	33420450	33072032	1.96	cps
Sulfur	34-1	1337782	1368636	1342240	1349553	1.24	cps
Terbium	159-1	19299201	19265093	19282953	19282416	0.09	cps
Terbium	159-2	6236793	6332087	6429279	6332720	1.52	cps
Thallium	203-1	9956423	9856641	10000655	9937906	0.74	cps
Thallium	205-1	23219589	23467100	23598083	23428257	0.82	cps
Tin	118-1	9443438	9420118	9439622	9434393	0.13	cps
Titanium	47-1	15865650	16003575	16169727	16012984	0.95	cps
Uranium	238-1	31441415	31348643	32107526	31632528	1.31	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV01 Instrumnet Name : P8
Client Sample ID : CCV01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:51:26 DataFile Name : 020CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1857639	1814996	1851641	1841425	1.25	cps
Ytterbium	172-1	920	920	903	914	1.05	cps
Ytterbium	172-2	343	497	380	407	19.69	cps
Ytterbium	176-1	51664	52527	52721	52304	1.08	cps
Ytterbium	176-2	18052	18239	18259	18184	0.63	cps
Yttrium	89-1	28018196	28390149	28329130	28245825	0.71	cps
Yttrium	89-2	2122462	2134713	2137394	2131523	0.37	cps
Zinc	66-2	3712131	3731588	3693658	3712459	0.51	cps
Zirconium	90-1	20465780	20870832	21094087	20810233	1.53	cps
Zirconium	91-1	4522429	4703181	4680383	4635331	2.12	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB01 Instrumnet Name : P8
Client Sample ID : CCB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:57:37 DataFile Name : 021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	157	183	193	178	10.66	cps
Antimony	121-1	1217	1150	1040	1136	7.86	cps
Arsenic	75-2	3	3	10	6	69.34	cps
Barium	135-1	180	193	183	186	3.74	cps
Barium	137-1	397	320	280	332	17.85	cps
Beryllium	9-1	364	372	337	358	5.14	cps
Bismuth	209-1	11972129	12190853	12123502	12095495	0.93	cps
Bismuth	209-2	4948406	4882984	4813087	4881492	1.39	cps
Bromine	81-1	32768	32210	32301	32426	0.92	cps
Cadmium	108-1	33	37	30	33	10.01	cps
Cadmium	106-1	10391	10141	9947	10159	2.19	cps
Cadmium	111-1	7317	7149	6992	7153	2.27	cps
Calcium	43-1	1007	827	900	911	9.93	cps
Calcium	44-1	30559	30231	30011	30267	0.91	cps
Carbon	12-1	3696116	3810814	3737818	3748249	1.55	cps
Carbon	12-2	28377	28885	28501	28588	0.93	cps
Chlorine	35-1	607742	594290	577249	593094	2.58	cps
Chlorine	35-2	2284	2134	1940	2119	8.12	cps
Chromium	52-2	910	903	893	902	0.93	cps
Cobalt	59-2	110	70	97	92	22.08	cps
Copper	63-2	1973	1847	1960	1927	3.61	cps
Dysprosium	156-1	13	20	20	18	21.66	cps
Dysprosium	156-2	13	10	3	9	57.30	cps
Erbium	164-1	160	160	133	151	10.19	cps
Erbium	164-2	50	50	47	49	3.93	cps
Gadolinium	160-1	110	147	107	121	18.33	cps
Gadolinium	160-2	23	27	50	33	43.59	cps
Holmium	165-1	19899911	19877063	19994827	19923933	0.31	cps
Holmium	165-2	6941834	7013023	6938731	6964529	0.60	cps
Indium	115-1	17128992	17265772	16991067	17128610	0.80	cps
Indium	115-2	1850920	1814523	1808808	1824750	1.25	cps
Iron	54-2	697	733	733	721	2.94	cps
Iron	56-2	9240	9153	9306	9233	0.83	cps
Iron	57-2	253	243	237	244	3.43	cps
Krypton	83-1	213	227	260	233	10.30	cps
Lead	206-1	2187	2134	2047	2122	3.33	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB01 Instrumnet Name : P8
Client Sample ID : CCB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:57:37 DataFile Name : 021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1767	1863	1830	1820	2.70	cps
Lead	208-1	8511	8368	7871	8250	4.07	cps
Lithium	6-1	5416413	5260830	5457448	5378230	1.93	cps
Magnesium	24-2	857	773	783	804	5.66	cps
Manganese	55-2	4441	4371	4394	4402	0.81	cps
Molybdenum	94-1	1597	1320	1433	1450	9.59	cps
Molybdenum	95-1	987	867	870	908	7.53	cps
Molybdenum	96-1	1323	1160	900	1128	18.93	cps
Molybdenum	97-1	620	497	520	546	12.01	cps
Molybdenum	98-1	1567	1440	1397	1468	6.02	cps
Neodymium	150-1	20	7	20	16	49.47	cps
Neodymium	150-2	0	0	3	1	173.21	cps
Nickel	60-2	250	300	260	270	9.80	cps
Phosphorus	31-2	77	103	60	80	27.32	cps
Potassium	39-2	17594	17240	16553	17129	3.09	cps
Rhodium	103-1	16143459	15989914	16017356	16050243	0.51	cps
Rhodium	103-2	6302918	6159517	6246664	6236366	1.16	cps
Scandium	45-1	10597933	10882431	10648205	10709523	1.42	cps
Scandium	45-2	205627	205164	202227	204339	0.90	cps
Selenium	82-1	50	43	-43	17	312.44	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	10	23	23	19	40.75	cps
Silicon	28-1	519301	541571	532161	531011	2.11	cps
Silver	107-1	6300	867	700	2622	121.50	cps
Silver	109-1	697	623	500	607	16.38	cps
Sodium	23-2	46293	45246	45965	45835	1.17	cps
Strontium	86-1	493	480	440	471	5.89	cps
Strontium	88-1	690	693	617	667	6.50	cps
Sulfur	34-1	543460	542353	537698	541170	0.57	cps
Terbium	159-1	20589815	20864630	20624230	20692892	0.72	cps
Terbium	159-2	6801951	6645816	6645050	6697606	1.35	cps
Thallium	203-1	813	813	760	796	3.87	cps
Thallium	205-1	1823	1890	1810	1841	2.33	cps
Tin	118-1	3734	3567	3124	3475	9.08	cps
Titanium	47-1	360	350	363	358	1.94	cps
Uranium	238-1	320	347	367	344	6.80	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB01 Instrumnet Name : P8
Client Sample ID : CCB01 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 14:57:37 DataFile Name : 021CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	17	30	17	21	36.45	cps
Ytterbium	172-1	110	120	167	132	22.88	cps
Ytterbium	172-2	53	47	37	46	18.41	cps
Ytterbium	176-1	2544	2614	2547	2568	1.54	cps
Ytterbium	176-2	863	713	710	762	11.49	cps
Yttrium	89-1	30819205	31095963	30646419	30853862	0.73	cps
Yttrium	89-2	2327578	2267085	2253651	2282771	1.73	cps
Zinc	66-2	380	387	333	367	7.93	cps
Zirconium	90-1	2697	3001	2537	2745	8.58	cps
Zirconium	91-1	553	523	543	540	2.83	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CRI Instrumnet Name : P8
Client Sample ID : CRI Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:00:57 DataFile Name : 022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1723	1813	1737	1758	2.76	cps
Antimony	121-1	48415	49452	48750	48872	1.08	cps
Arsenic	75-2	490	473	477	480	1.84	cps
Barium	135-1	55865	55804	56862	56177	1.06	cps
Barium	137-1	96306	96850	98277	97144	1.05	cps
Beryllium	9-1	6116	6071	6021	6069	0.78	cps
Bismuth	209-1	12033792	12142226	12136070	12104030	0.50	cps
Bismuth	209-2	4948406	5000996	4660856	4870086	3.76	cps
Bromine	81-1	32959	32150	32291	32467	1.33	cps
Cadmium	108-1	477	547	457	493	9.58	cps
Cadmium	106-1	10644	10764	10768	10725	0.66	cps
Cadmium	111-1	12468	12367	12695	12510	1.35	cps
Calcium	43-1	37666	37940	38267	37958	0.79	cps
Calcium	44-1	629914	637228	626002	631048	0.90	cps
Carbon	12-1	3764917	3779850	3753031	3765933	0.36	cps
Carbon	12-2	29169	29232	29306	29236	0.23	cps
Chlorine	35-1	446149	434378	426067	435532	2.32	cps
Chlorine	35-2	1607	1613	1700	1640	3.17	cps
Chromium	52-2	10527	10577	10707	10604	0.88	cps
Cobalt	59-2	9720	9463	9703	9629	1.49	cps
Copper	63-2	16910	16163	16179	16417	2.60	cps
Dysprosium	156-1	27	20	33	27	24.99	cps
Dysprosium	156-2	3	0	3	2	86.60	cps
Erbium	164-1	127	153	123	134	12.23	cps
Erbium	164-2	37	47	40	41	12.39	cps
Gadolinium	160-1	150	143	130	141	7.22	cps
Gadolinium	160-2	33	40	27	33	20.00	cps
Holmium	165-1	19867935	19831754	19974238	19891309	0.37	cps
Holmium	165-2	7083844	7148180	6540021	6924015	4.83	cps
Indium	115-1	17642846	17295772	17194637	17377752	1.35	cps
Indium	115-2	1865258	1909604	1736913	1837258	4.88	cps
Iron	54-2	11238	10677	10744	10886	2.81	cps
Iron	56-2	190734	191474	194908	192372	1.16	cps
Iron	57-2	5041	4834	4534	4803	5.31	cps
Krypton	83-1	253	223	277	251	10.65	cps
Lead	206-1	15943	16020	16087	16017	0.45	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CRI Instrumnet Name : P8
Client Sample ID : CRI Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:00:57 DataFile Name : 022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	13627	13924	13691	13747	1.14	cps
Lead	208-1	63619	62939	63114	63224	0.56	cps
Lithium	6-1	5205741	5335721	5343411	5294957	1.46	cps
Magnesium	24-2	145587	145378	142597	144521	1.15	cps
Manganese	55-2	6552	6602	6655	6603	0.78	cps
Molybdenum	94-1	50883	52408	52034	51775	1.54	cps
Molybdenum	95-1	59406	60497	60009	59971	0.91	cps
Molybdenum	96-1	66438	68183	66143	66921	1.65	cps
Molybdenum	97-1	37206	37270	37407	37294	0.27	cps
Molybdenum	98-1	96862	97177	96586	96875	0.30	cps
Neodymium	150-1	27	37	40	34	20.14	cps
Neodymium	150-2	3	10	3	6	69.34	cps
Nickel	60-2	2627	2584	2674	2628	1.71	cps
Phosphorus	31-2	1107	1023	1110	1080	4.55	cps
Potassium	39-2	102541	103739	104646	103642	1.02	cps
Rhodium	103-1	15996849	16175002	16016105	16062652	0.61	cps
Rhodium	103-2	6413010	6362952	5962313	6246092	3.95	cps
Scandium	45-1	10951355	10921798	10713818	10862324	1.19	cps
Scandium	45-2	205890	207747	195138	202925	3.35	cps
Selenium	82-1	1914	1760	1860	1845	4.22	cps
Selenium	77-2	43	53	27	41	32.76	cps
Selenium	78-2	93	133	143	123	21.46	cps
Silicon	28-1	608213	603696	533609	581839	7.19	cps
Silver	107-1	32348	32201	32431	32327	0.36	cps
Silver	109-1	30120	31145	30621	30628	1.67	cps
Sodium	23-2	315838	313126	313993	314319	0.44	cps
Strontium	86-1	8102	8413	8486	8334	2.44	cps
Strontium	88-1	67361	68859	69368	68529	1.52	cps
Sulfur	34-1	568697	564336	560672	564568	0.71	cps
Terbium	159-1	20770015	21075602	21007532	20951050	0.77	cps
Terbium	159-2	6810601	6912026	6460447	6727691	3.52	cps
Thallium	203-1	21107	21451	21194	21251	0.84	cps
Thallium	205-1	50428	50535	51154	50705	0.77	cps
Tin	118-1	100116	101754	100834	100901	0.81	cps
Titanium	47-1	17895	17995	17931	17940	0.28	cps
Uranium	238-1	61381	62848	64037	62755	2.12	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CRI Instrumnet Name : P8
Client Sample ID : CRI Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:00:57 DataFile Name : 022LLCC.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	18402	18485	18362	18416	0.34	cps
Ytterbium	172-1	133	147	163	148	10.17	cps
Ytterbium	172-2	43	63	87	64	33.66	cps
Ytterbium	176-1	2557	2797	2417	2590	7.42	cps
Ytterbium	176-2	710	710	693	704	1.37	cps
Yttrium	89-1	31195120	31439788	31496117	31377008	0.51	cps
Yttrium	89-2	2352031	2330508	2171468	2284669	4.32	cps
Zinc	66-2	4401	4324	4354	4360	0.89	cps
Zirconium	90-1	45992	47233	46795	46673	1.35	cps
Zirconium	91-1	10291	10341	10531	10387	1.22	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960BL Instrumnet Name : P8
Client Sample ID : PB167960BL Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:31:03 DataFile Name : 023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	180	183	210	191	8.60	cps
Antimony	121-1	270	203	160	211	26.25	cps
Arsenic	75-2	7	3	10	7	50.03	cps
Barium	135-1	87	77	100	88	13.33	cps
Barium	137-1	133	160	157	150	9.68	cps
Beryllium	9-1	121	123	139	128	7.65	cps
Bismuth	209-1	11882693	12120434	12061077	12021401	1.03	cps
Bismuth	209-2	4887813	5047475	4929108	4954799	1.67	cps
Bromine	81-1	33761	33818	33059	33546	1.26	cps
Cadmium	108-1	27	13	53	31	65.47	cps
Cadmium	106-1	9920	9713	9577	9737	1.78	cps
Cadmium	111-1	6956	6800	6693	6816	1.94	cps
Calcium	43-1	773	727	830	777	6.66	cps
Calcium	44-1	29310	29667	28892	29289	1.32	cps
Carbon	12-1	3646278	3692622	3722579	3687160	1.04	cps
Carbon	12-2	29333	29543	28812	29229	1.29	cps
Chlorine	35-1	193286	191928	192641	192618	0.35	cps
Chlorine	35-2	690	790	750	743	6.77	cps
Chromium	52-2	930	837	830	866	6.46	cps
Cobalt	59-2	57	80	43	60	30.93	cps
Copper	63-2	1357	1537	1363	1419	7.19	cps
Dysprosium	156-1	7	40	20	22	75.49	cps
Dysprosium	156-2	0	3	7	3	100.05	cps
Erbium	164-1	153	183	180	172	9.55	cps
Erbium	164-2	43	43	50	46	8.45	cps
Gadolinium	160-1	93	110	133	112	17.91	cps
Gadolinium	160-2	40	30	27	32	21.53	cps
Holmium	165-1	19791753	19748353	19893941	19811349	0.38	cps
Holmium	165-2	7002069	7106730	7084859	7064553	0.78	cps
Indium	115-1	17228532	17212675	17116174	17185794	0.35	cps
Indium	115-2	1855503	1893185	1866063	1871584	1.04	cps
Iron	54-2	563	560	620	581	5.80	cps
Iron	56-2	5438	8080	5801	6440	22.24	cps
Iron	57-2	137	157	153	149	7.20	cps
Krypton	83-1	243	250	197	230	12.64	cps
Lead	206-1	890	897	803	863	6.03	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960BL Instrumnet Name : P8
Client Sample ID : PB167960BL Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:31:03 DataFile Name : 023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	763	690	677	710	6.57	cps
Lead	208-1	3364	3300	3160	3275	3.18	cps
Lithium	6-1	5218731	5180805	5243750	5214429	0.61	cps
Magnesium	24-2	433	463	580	492	15.74	cps
Manganese	55-2	4577	4467	4557	4534	1.29	cps
Molybdenum	94-1	657	660	640	652	1.64	cps
Molybdenum	95-1	253	233	173	220	18.92	cps
Molybdenum	96-1	353	293	300	316	10.42	cps
Molybdenum	97-1	147	113	163	141	18.04	cps
Molybdenum	98-1	357	307	277	313	12.90	cps
Neodymium	150-1	3	7	10	7	50.03	cps
Neodymium	150-2	7	17	0	8	107.84	cps
Nickel	60-2	330	293	250	291	13.76	cps
Phosphorus	31-2	103	77	97	92	15.05	cps
Potassium	39-2	15752	15338	15432	15507	1.40	cps
Rhodium	103-1	16067825	16344308	16271091	16227741	0.88	cps
Rhodium	103-2	6429445	6598943	6404732	6477707	1.63	cps
Scandium	45-1	10666717	10854207	10920914	10813946	1.22	cps
Scandium	45-2	207033	207804	209377	208071	0.57	cps
Selenium	82-1	-10	10	30	10	200.00	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	23	37	13	24	47.91	cps
Silicon	28-1	532791	536208	558019	542340	2.52	cps
Silver	107-1	230	287	220	246	14.64	cps
Silver	109-1	133	117	137	129	8.31	cps
Sodium	23-2	36572	36285	36078	36312	0.68	cps
Strontium	86-1	370	490	437	432	13.91	cps
Strontium	88-1	480	450	557	496	11.10	cps
Sulfur	34-1	572572	574866	574061	573833	0.20	cps
Terbium	159-1	20481038	20806136	20516778	20601317	0.87	cps
Terbium	159-2	6927228	6909800	6861788	6899605	0.49	cps
Thallium	203-1	340	263	290	298	13.07	cps
Thallium	205-1	730	667	647	681	6.39	cps
Tin	118-1	3330	3334	3367	3344	0.61	cps
Titanium	47-1	247	253	257	252	2.02	cps
Uranium	238-1	70	87	87	81	11.87	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960BL Instrumnet Name : P8
Client Sample ID : PB167960BL Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:31:03 DataFile Name : 023CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	20	13	0	11	91.66	cps
Ytterbium	172-1	103	127	120	117	10.30	cps
Ytterbium	172-2	50	47	43	47	7.15	cps
Ytterbium	176-1	2457	2614	2474	2515	3.42	cps
Ytterbium	176-2	1007	890	847	914	9.05	cps
Yttrium	89-1	31006078	31889382	31189710	31361723	1.49	cps
Yttrium	89-2	2423128	2357625	2347537	2376096	1.73	cps
Zinc	66-2	337	387	387	370	7.80	cps
Zirconium	90-1	1687	1647	1900	1745	7.81	cps
Zirconium	91-1	340	370	293	334	11.55	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960BS Instrumnet Name : P8
Client Sample ID : PB167960BS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:34:24 DataFile Name : 024LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	815803	813170	801851	810275	0.91	cps
Antimony	121-1	12551595	12423489	12612831	12529305	0.77	cps
Arsenic	75-2	247863	244954	245876	246231	0.60	cps
Barium	135-1	14774012	14676024	14868397	14772811	0.65	cps
Barium	137-1	25665662	25271668	25504216	25480515	0.78	cps
Beryllium	9-1	2631139	2609266	2613490	2617965	0.44	cps
Bismuth	209-1	11285899	11330343	11385419	11333887	0.44	cps
Bismuth	209-2	4624922	4557411	4560466	4580933	0.83	cps
Bromine	81-1	31502	31111	30941	31185	0.92	cps
Cadmium	108-1	237595	240028	236918	238180	0.69	cps
Cadmium	106-1	350533	350198	352409	351046	0.34	cps
Cadmium	111-1	3112290	3145142	3127152	3128195	0.53	cps
Calcium	43-1	3650319	3813176	3772905	3745467	2.26	cps
Calcium	44-1	59603826	61551477	61137564	60764289	1.69	cps
Carbon	12-1	3848783	3801291	3748803	3799625	1.32	cps
Carbon	12-2	30692	30428	30989	30703	0.91	cps
Chlorine	35-1	224196	225849	222308	224118	0.79	cps
Chlorine	35-2	953	777	930	887	10.82	cps
Chromium	52-2	2444325	2441668	2451583	2445858	0.21	cps
Cobalt	59-2	4482621	4549124	4578775	4536840	1.09	cps
Copper	63-2	35551201	35224021	34382224	35052482	1.72	cps
Dysprosium	156-1	427	360	297	361	18.00	cps
Dysprosium	156-2	53	67	93	71	28.64	cps
Erbium	164-1	387	353	367	369	4.55	cps
Erbium	164-2	107	133	117	119	11.33	cps
Gadolinium	160-1	337	300	307	314	6.21	cps
Gadolinium	160-2	93	133	73	100	30.56	cps
Holmium	165-1	19921380	19227326	19514847	19554518	1.78	cps
Holmium	165-2	6874376	6791863	6778914	6815051	0.76	cps
Indium	115-1	15913492	16298468	16124610	16112190	1.20	cps
Indium	115-2	1672247	1709020	1658609	1679959	1.55	cps
Iron	54-2	5144619	4955875	4930233	5010242	2.34	cps
Iron	56-2	90699249	90692582	90095449	90495760	0.38	cps
Iron	57-2	2366047	2364389	2303399	2344612	1.52	cps
Krypton	83-1	250	253	270	258	4.16	cps
Lead	206-1	42820868	43879748	44051806	43584140	1.53	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960BS Instrumnet Name : P8
Client Sample ID : PB167960BS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:34:24 DataFile Name : 024LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	36573284	37248004	37603407	37141565	1.41	cps
Lead	208-1	168845523	171800591	173905735	171517283	1.48	cps
Lithium	6-1	5118674	5037397	5088959	5081677	0.81	cps
Magnesium	24-2	13922901	13935455	13883866	13914074	0.19	cps
Manganese	55-2	10421351	10245622	10177023	10281332	1.23	cps
Molybdenum	94-1	42342091	43983618	43071599	43132436	1.91	cps
Molybdenum	95-1	61616707	63486999	62680839	62594849	1.50	cps
Molybdenum	96-1	67228121	68369477	69070741	68222780	1.36	cps
Molybdenum	97-1	37849558	38346224	38811613	38335798	1.25	cps
Molybdenum	98-1	99313195	100917459	101260005	100496886	1.03	cps
Neodymium	150-1	1257	1150	1193	1200	4.47	cps
Neodymium	150-2	60	57	80	66	19.25	cps
Nickel	60-2	1188546	1201398	1196000	1195314	0.54	cps
Phosphorus	31-2	39875	40734	39136	39915	2.00	cps
Potassium	39-2	4556313	4547898	4586038	4563416	0.44	cps
Rhodium	103-1	14919712	14613076	14998109	14843633	1.37	cps
Rhodium	103-2	5717431	5742093	5690302	5716609	0.45	cps
Scandium	45-1	10263682	10604291	10375651	10414541	1.67	cps
Scandium	45-2	197661	198388	198341	198130	0.21	cps
Selenium	82-1	181978	185524	183090	183531	0.99	cps
Selenium	77-2	2944	3144	3307	3131	5.81	cps
Selenium	78-2	10477	10584	10561	10541	0.53	cps
Silicon	28-1	78859005	75985347	76581534	77141962	1.97	cps
Silver	107-1	15498925	15442263	15282294	15407827	0.73	cps
Silver	109-1	14505788	14801846	14598945	14635526	1.03	cps
Sodium	23-2	27571537	27387799	27519125	27492820	0.34	cps
Strontium	86-1	4004251	4058243	4005846	4022780	0.76	cps
Strontium	88-1	34799182	34673390	34924370	34798981	0.36	cps
Sulfur	34-1	1512323	1447641	1427845	1462603	3.02	cps
Terbium	159-1	20102632	20202106	20113946	20139562	0.27	cps
Terbium	159-2	6631035	6587494	6593370	6603966	0.36	cps
Thallium	203-1	10469914	10770980	10868065	10702986	1.94	cps
Thallium	205-1	24485005	25548763	25361384	25131717	2.26	cps
Tin	118-1	10104873	9919203	9932921	9985665	1.04	cps
Titanium	47-1	16727526	17178070	16761518	16889038	1.49	cps
Uranium	238-1	32271206	32456272	33512387	32746622	2.04	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960BS Instrumnet Name : P8
Client Sample ID : PB167960BS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:34:24 DataFile Name : 024LCS6.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1851538	1840677	1847213	1846476	0.30	cps
Ytterbium	172-1	300	443	330	358	21.13	cps
Ytterbium	172-2	140	163	127	143	12.95	cps
Ytterbium	176-1	53233	53822	54070	53709	0.80	cps
Ytterbium	176-2	17969	18119	17912	18000	0.59	cps
Yttrium	89-1	30160309	30088417	29988782	30079169	0.29	cps
Yttrium	89-2	2161131	2186566	2204628	2184108	1.00	cps
Zinc	66-2	3987178	3949990	3901349	3946172	1.09	cps
Zirconium	90-1	21366340	22249276	21904785	21840133	2.04	cps
Zirconium	91-1	4800997	4870344	4859616	4843652	0.77	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960TB Instrumnet Name : P8
Client Sample ID : PB167960TB Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:37:08 DataFile Name : 025CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	203	213	260	226	13.41	cps
Antimony	121-1	2897	2507	2297	2567	11.86	cps
Arsenic	75-2	7	10	13	10	33.30	cps
Barium	135-1	420	350	343	371	11.44	cps
Barium	137-1	850	590	543	661	24.99	cps
Beryllium	9-1	457	410	433	433	5.44	cps
Bismuth	209-1	12265279	12178560	12258927	12234255	0.40	cps
Bismuth	209-2	5003164	4838515	4955601	4932427	1.72	cps
Bromine	81-1	32698	32060	32110	32289	1.10	cps
Cadmium	108-1	40	37	33	37	9.10	cps
Cadmium	106-1	10034	9900	10294	10076	1.99	cps
Cadmium	111-1	7119	7031	7269	7140	1.68	cps
Calcium	43-1	987	940	900	942	4.60	cps
Calcium	44-1	29671	28969	29653	29431	1.36	cps
Carbon	12-1	3784847	3668752	3771516	3741705	1.70	cps
Carbon	12-2	28868	29503	29156	29176	1.09	cps
Chlorine	35-1	212618	214990	213205	213605	0.58	cps
Chlorine	35-2	797	850	707	784	9.24	cps
Chromium	52-2	910	920	923	918	0.76	cps
Cobalt	59-2	130	143	120	131	8.93	cps
Copper	63-2	2087	1963	2024	2025	3.05	cps
Dysprosium	156-1	3	13	20	12	68.66	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	130	153	140	141	8.30	cps
Erbium	164-2	33	53	7	31	75.25	cps
Gadolinium	160-1	123	133	133	130	4.44	cps
Gadolinium	160-2	23	23	37	28	27.73	cps
Holmium	165-1	20406502	20278949	19782955	20156136	1.63	cps
Holmium	165-2	7077969	6877737	7001405	6985704	1.45	cps
Indium	115-1	17088141	16864381	17370769	17107764	1.48	cps
Indium	115-2	1822440	1836582	1805557	1821526	0.85	cps
Iron	54-2	550	587	607	581	4.95	cps
Iron	56-2	7118	6852	7008	6993	1.92	cps
Iron	57-2	160	147	163	157	5.63	cps
Krypton	83-1	263	250	197	237	14.91	cps
Lead	206-1	3140	2780	2587	2836	9.90	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960TB Instrumnet Name : P8
Client Sample ID : PB167960TB Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:37:08 DataFile Name : 025CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2637	2697	2127	2487	12.60	cps
Lead	208-1	12459	11512	10072	11348	10.59	cps
Lithium	6-1	5215277	5346040	5320958	5294091	1.31	cps
Magnesium	24-2	747	653	707	702	6.67	cps
Manganese	55-2	4091	3967	3897	3985	2.46	cps
Molybdenum	94-1	2670	2220	2107	2332	12.78	cps
Molybdenum	95-1	2917	2294	1843	2351	22.93	cps
Molybdenum	96-1	3157	2660	2254	2690	16.82	cps
Molybdenum	97-1	1783	1260	1160	1401	23.89	cps
Molybdenum	98-1	4307	3487	2980	3592	18.64	cps
Neodymium	150-1	27	17	13	19	36.75	cps
Neodymium	150-2	7	3	7	6	34.70	cps
Nickel	60-2	310	330	330	323	3.57	cps
Phosphorus	31-2	77	97	63	79	21.27	cps
Potassium	39-2	15285	15422	15038	15248	1.28	cps
Rhodium	103-1	15816906	16010874	15923649	15917143	0.61	cps
Rhodium	103-2	6243636	6337906	6388891	6323478	1.17	cps
Scandium	45-1	10588038	10845267	10726267	10719857	1.20	cps
Scandium	45-2	206894	202149	202393	203812	1.31	cps
Selenium	82-1	-10	17	67	24	159.24	cps
Selenium	77-2	0	0	3	1	173.21	cps
Selenium	78-2	27	20	30	26	19.92	cps
Silicon	28-1	542561	574441	582502	566501	3.73	cps
Silver	107-1	1710	1457	1233	1467	16.26	cps
Silver	109-1	1540	1350	1113	1335	16.02	cps
Sodium	23-2	40774	39834	40061	40223	1.22	cps
Strontium	86-1	617	570	510	566	9.45	cps
Strontium	88-1	1467	1220	1190	1292	11.75	cps
Sulfur	34-1	526275	525036	527705	526339	0.25	cps
Terbium	159-1	20788692	20768673	21070036	20875800	0.81	cps
Terbium	159-2	6781513	6773684	6738008	6764402	0.34	cps
Thallium	203-1	797	763	687	749	7.53	cps
Thallium	205-1	2067	1803	1623	1831	12.18	cps
Tin	118-1	3701	3737	3807	3748	1.45	cps
Titanium	47-1	733	600	503	612	18.86	cps
Uranium	238-1	1143	720	663	842	31.15	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB167960TB Instrumnet Name : P8
Client Sample ID : PB167960TB Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:37:08 DataFile Name : 025CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	40	33	37	37	9.10	cps
Ytterbium	172-1	143	143	127	138	6.99	cps
Ytterbium	172-2	60	43	57	53	16.54	cps
Ytterbium	176-1	2547	2530	2390	2489	3.46	cps
Ytterbium	176-2	800	653	777	743	10.60	cps
Yttrium	89-1	30571188	31194234	30878764	30881395	1.01	cps
Yttrium	89-2	2295467	2313179	2301026	2303224	0.39	cps
Zinc	66-2	613	650	517	593	11.61	cps
Zirconium	90-1	2960	2967	2757	2895	4.12	cps
Zirconium	91-1	657	667	553	626	10.03	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-02DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-33-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:40:29 DataFile Name : 026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	208089	205717	207912	207239	0.64	cps
Antimony	121-1	1220	1250	1173	1215	3.18	cps
Arsenic	75-2	283	263	273	273	3.66	cps
Barium	135-1	110304	111148	112808	111420	1.14	cps
Barium	137-1	187527	190873	193178	190526	1.49	cps
Beryllium	9-1	934	911	922	922	1.26	cps
Bismuth	209-1	11945646	12230822	12233030	12136499	1.36	cps
Bismuth	209-2	4848883	4844724	4834553	4842720	0.15	cps
Bromine	81-1	32558	32685	31890	32377	1.32	cps
Cadmium	108-1	93	57	47	66	37.47	cps
Cadmium	106-1	10678	10628	10060	10455	3.28	cps
Cadmium	111-1	7736	7696	7260	7564	3.49	cps
Calcium	43-1	3212593	3277001	3239412	3243002	1.00	cps
Calcium	44-1	52104633	51748051	52753071	52201918	0.98	cps
Carbon	12-1	4423201	4516276	4599820	4513099	1.96	cps
Carbon	12-2	36111	36328	37107	36515	1.43	cps
Chlorine	35-1	184706	185297	184105	184703	0.32	cps
Chlorine	35-2	643	707	753	701	7.87	cps
Chromium	52-2	3704	3737	3640	3694	1.33	cps
Cobalt	59-2	143333	144623	144353	144103	0.47	cps
Copper	63-2	22939	22752	22495	22728	0.98	cps
Dysprosium	156-1	66431	68544	68059	67678	1.64	cps
Dysprosium	156-2	22539	22723	22970	22744	0.95	cps
Erbium	164-1	77916	78030	78191	78046	0.18	cps
Erbium	164-2	25965	25778	24917	25553	2.19	cps
Gadolinium	160-1	66324	68059	66914	67099	1.32	cps
Gadolinium	160-2	26289	27438	27305	27011	2.33	cps
Holmium	165-1	20268058	20467478	20387291	20374276	0.49	cps
Holmium	165-2	6979479	7067939	7002254	7016558	0.65	cps
Indium	115-1	16960964	16987988	16919204	16956052	0.20	cps
Indium	115-2	1777303	1758025	1783320	1772883	0.75	cps
Iron	54-2	8109599	8004244	8166254	8093366	1.02	cps
Iron	56-2	147871021	152377594	151609651	150619422	1.60	cps
Iron	57-2	3860122	3837239	3856518	3851293	0.32	cps
Krypton	83-1	363	283	403	350	17.46	cps
Lead	206-1	2337	2114	2257	2236	5.06	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-02DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-33-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:40:29 DataFile Name : 026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	2114	1900	1873	1962	6.70	cps
Lead	208-1	9325	8708	8785	8939	3.76	cps
Lithium	6-1	5289282	5254841	5149327	5231150	1.39	cps
Magnesium	24-2	3331839	3295453	3358640	3328644	0.95	cps
Manganese	55-2	1666314	1681134	1723240	1690229	1.75	cps
Molybdenum	94-1	1713	1873	1677	1755	5.96	cps
Molybdenum	95-1	1350	1270	1237	1286	4.53	cps
Molybdenum	96-1	3951	4171	3794	3972	4.77	cps
Molybdenum	97-1	797	743	643	728	10.70	cps
Molybdenum	98-1	1954	1737	1690	1793	7.84	cps
Neodymium	150-1	64903	66115	66192	65737	1.10	cps
Neodymium	150-2	16260	15996	16167	16141	0.83	cps
Nickel	60-2	40170	40093	39598	39954	0.78	cps
Phosphorus	31-2	127	117	153	132	14.34	cps
Potassium	39-2	84137	84237	84707	84360	0.36	cps
Rhodium	103-1	15877229	15630499	15478432	15662053	1.29	cps
Rhodium	103-2	6057196	6001729	6097207	6052044	0.79	cps
Scandium	45-1	10850066	10838516	10869856	10852812	0.15	cps
Scandium	45-2	199278	201470	201680	200809	0.66	cps
Selenium	82-1	143	130	63	112	38.19	cps
Selenium	77-2	87	87	77	83	6.93	cps
Selenium	78-2	123	90	80	98	23.21	cps
Silicon	28-1	81368300	81816725	81366529	81517185	0.32	cps
Silver	107-1	687	700	643	677	4.38	cps
Silver	109-1	553	393	420	456	18.82	cps
Sodium	23-2	6028329	5850220	6055052	5977867	1.86	cps
Strontium	86-1	736176	750076	753731	746661	1.24	cps
Strontium	88-1	6667929	6737984	6713587	6706500	0.53	cps
Sulfur	34-1	6074974	6125280	6111225	6103826	0.43	cps
Terbium	159-1	20696143	21163254	20557194	20805531	1.53	cps
Terbium	159-2	6815856	6778447	6788557	6794287	0.28	cps
Thallium	203-1	513	513	457	494	6.62	cps
Thallium	205-1	1217	1170	1093	1160	5.37	cps
Tin	118-1	3387	3561	3577	3508	3.00	cps
Titanium	47-1	1950	1900	1757	1869	5.37	cps
Uranium	238-1	38147	37799	38495	38147	0.91	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-02DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-33-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:40:29 DataFile Name : 026AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	195277	196034	195811	195707	0.20	cps
Ytterbium	172-1	24633	25127	25167	24976	1.19	cps
Ytterbium	172-2	9737	10064	9930	9910	1.66	cps
Ytterbium	176-1	17689	17902	17856	17815	0.63	cps
Ytterbium	176-2	6895	6738	7125	6920	2.81	cps
Yttrium	89-1	32591670	32743145	32852585	32729133	0.40	cps
Yttrium	89-2	2328726	2403335	2366978	2366347	1.58	cps
Zinc	66-2	82575	82300	83269	82715	0.60	cps
Zirconium	90-1	2864	3040	2984	2963	3.05	cps
Zirconium	91-1	623	717	680	673	6.98	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-04DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-34-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:43:43 DataFile Name : 027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	157324	153121	152547	154331	1.69	cps
Antimony	121-1	563	517	570	550	5.28	cps
Arsenic	75-2	173	243	190	202	18.08	cps
Barium	135-1	114432	114845	116825	115367	1.11	cps
Barium	137-1	200074	201135	199631	200280	0.39	cps
Beryllium	9-1	815	771	770	785	3.24	cps
Bismuth	209-1	11798925	11767184	11821186	11795765	0.23	cps
Bismuth	209-2	4687979	4745615	4719616	4717737	0.61	cps
Bromine	81-1	31198	31786	31098	31361	1.19	cps
Cadmium	108-1	83	63	23	57	53.92	cps
Cadmium	106-1	9980	9817	9523	9774	2.37	cps
Cadmium	111-1	7315	7188	6910	7137	2.90	cps
Calcium	43-1	3928596	4041782	4022450	3997609	1.51	cps
Calcium	44-1	64210379	64822974	65289817	64774390	0.84	cps
Carbon	12-1	4410341	4577454	4684975	4557590	3.04	cps
Carbon	12-2	37000	36382	36375	36586	0.98	cps
Chlorine	35-1	174711	173965	173142	173939	0.45	cps
Chlorine	35-2	727	663	757	716	6.66	cps
Chromium	52-2	3097	3014	3287	3133	4.47	cps
Cobalt	59-2	144398	144252	144542	144397	0.10	cps
Copper	63-2	23907	23249	23149	23435	1.76	cps
Dysprosium	156-1	59970	61233	60500	60568	1.05	cps
Dysprosium	156-2	20496	20599	20052	20382	1.43	cps
Erbium	164-1	71648	72385	72144	72059	0.52	cps
Erbium	164-2	23227	23541	23387	23385	0.67	cps
Gadolinium	160-1	59894	60017	60121	60011	0.19	cps
Gadolinium	160-2	24316	24526	24766	24536	0.92	cps
Holmium	165-1	20079494	19438848	19821138	19779827	1.63	cps
Holmium	165-2	6898776	6781205	6767296	6815759	1.06	cps
Indium	115-1	16646959	16514753	16903215	16688309	1.18	cps
Indium	115-2	1740380	1769446	1755551	1755126	0.83	cps
Iron	54-2	7549705	7588579	7546013	7561432	0.31	cps
Iron	56-2	142140831	140747058	140066121	140984670	0.75	cps
Iron	57-2	3556779	3563119	3607213	3575704	0.77	cps
Krypton	83-1	373	397	393	388	3.25	cps
Lead	206-1	2007	2027	1940	1991	2.28	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-04DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-34-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:43:43 DataFile Name : 027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1713	1720	1560	1665	5.44	cps
Lead	208-1	7848	7704	7681	7744	1.17	cps
Lithium	6-1	5325194	5233077	5204437	5254236	1.20	cps
Magnesium	24-2	3179173	3088815	3020416	3096135	2.57	cps
Manganese	55-2	2254388	2207782	2258670	2240280	1.26	cps
Molybdenum	94-1	1460	1497	1597	1518	4.66	cps
Molybdenum	95-1	993	1187	1097	1092	8.86	cps
Molybdenum	96-1	3530	3320	3647	3499	4.73	cps
Molybdenum	97-1	573	590	613	592	3.39	cps
Molybdenum	98-1	1683	1580	1417	1560	8.62	cps
Neodymium	150-1	57556	58460	58095	58037	0.78	cps
Neodymium	150-2	13897	14094	13901	13964	0.81	cps
Nickel	60-2	37189	36143	37001	36778	1.52	cps
Phosphorus	31-2	117	103	133	118	12.77	cps
Potassium	39-2	84616	84036	84616	84423	0.40	cps
Rhodium	103-1	15403841	15303807	15110500	15272716	0.98	cps
Rhodium	103-2	5938719	5992926	5963643	5965096	0.45	cps
Scandium	45-1	10695587	10475368	10511241	10560732	1.12	cps
Scandium	45-2	196100	198127	197339	197189	0.52	cps
Selenium	82-1	93	147	87	109	30.20	cps
Selenium	77-2	63	73	100	79	24.03	cps
Selenium	78-2	90	107	90	96	10.07	cps
Silicon	28-1	77039572	79081227	77246697	77789166	1.44	cps
Silver	107-1	577	480	563	540	9.70	cps
Silver	109-1	427	393	397	406	4.53	cps
Sodium	23-2	6385922	6283156	6247199	6305426	1.14	cps
Strontium	86-1	827394	842223	840496	836704	0.97	cps
Strontium	88-1	7406841	7516079	7497906	7473609	0.78	cps
Sulfur	34-1	6304621	6367886	6327374	6333294	0.51	cps
Terbium	159-1	20312153	20147346	20534384	20331294	0.96	cps
Terbium	159-2	6642313	6645415	6600542	6629423	0.38	cps
Thallium	203-1	533	493	463	497	7.07	cps
Thallium	205-1	1137	1020	1147	1101	6.40	cps
Tin	118-1	4421	4151	4261	4277	3.18	cps
Titanium	47-1	1697	1610	1520	1609	5.49	cps
Uranium	238-1	34935	34487	35062	34828	0.87	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-04DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-34-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:43:43 DataFile Name : 027AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	131191	130549	131272	131004	0.30	cps
Ytterbium	172-1	23995	24176	23327	23833	1.88	cps
Ytterbium	172-2	9227	9420	9447	9365	1.28	cps
Ytterbium	176-1	16691	17285	16464	16813	2.52	cps
Ytterbium	176-2	6435	6718	6398	6517	2.69	cps
Yttrium	89-1	31714715	31353674	31591102	31553163	0.58	cps
Yttrium	89-2	2337299	2333720	2301393	2324138	0.85	cps
Zinc	66-2	80584	80302	81600	80829	0.84	cps
Zirconium	90-1	2424	2600	2780	2601	6.86	cps
Zirconium	91-1	570	533	580	561	4.38	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-06DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-35-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:46:54 DataFile Name : 028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	143571	143376	141682	142876	0.73	cps
Antimony	121-1	420	417	387	408	4.50	cps
Arsenic	75-2	217	207	150	191	18.81	cps
Barium	135-1	114206	114955	114656	114606	0.33	cps
Barium	137-1	198795	198723	201691	199736	0.85	cps
Beryllium	9-1	815	844	794	818	3.02	cps
Bismuth	209-1	11740858	11781276	11781589	11767908	0.20	cps
Bismuth	209-2	4784998	4731285	4723046	4746443	0.71	cps
Bromine	81-1	30834	30306	30259	30466	1.05	cps
Cadmium	108-1	53	47	53	51	7.52	cps
Cadmium	106-1	10257	9787	9417	9820	4.29	cps
Cadmium	111-1	7446	7205	6874	7175	4.00	cps
Calcium	43-1	3759272	3853475	3772207	3794984	1.35	cps
Calcium	44-1	60404147	62722317	61361864	61496110	1.89	cps
Carbon	12-1	4324311	4495702	4508554	4442855	2.32	cps
Carbon	12-2	36047	35620	35917	35861	0.61	cps
Chlorine	35-1	168505	165005	165430	166314	1.15	cps
Chlorine	35-2	677	640	610	642	5.20	cps
Chromium	52-2	3090	2924	3060	3025	2.94	cps
Cobalt	59-2	164718	165391	164184	164765	0.37	cps
Copper	63-2	24598	24758	24585	24647	0.39	cps
Dysprosium	156-1	61253	60680	62033	61322	1.11	cps
Dysprosium	156-2	20366	20279	20606	20417	0.83	cps
Erbium	164-1	71374	71032	72999	71801	1.46	cps
Erbium	164-2	23481	23394	23781	23552	0.86	cps
Gadolinium	160-1	59867	60406	61236	60503	1.14	cps
Gadolinium	160-2	24566	24412	24583	24520	0.38	cps
Holmium	165-1	20121883	19845712	19964725	19977440	0.69	cps
Holmium	165-2	6842733	6724884	6785176	6784265	0.87	cps
Indium	115-1	16745147	16558203	16756494	16686615	0.67	cps
Indium	115-2	1753917	1743506	1736775	1744732	0.50	cps
Iron	54-2	7553223	7498137	7351025	7467462	1.40	cps
Iron	56-2	139571861	140211105	135369878	138384281	1.90	cps
Iron	57-2	3590991	3534619	3530886	3552166	0.95	cps
Krypton	83-1	417	337	323	359	14.07	cps
Lead	206-1	1920	1913	1837	1890	2.45	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-06DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-35-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:46:54 DataFile Name : 028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1663	1813	1560	1679	7.59	cps
Lead	208-1	7631	7721	7594	7649	0.85	cps
Lithium	6-1	5097880	5256437	5114448	5156255	1.69	cps
Magnesium	24-2	3206650	3171985	3171527	3183387	0.63	cps
Manganese	55-2	2333793	2361030	2273094	2322639	1.94	cps
Molybdenum	94-1	1520	1457	1473	1483	2.21	cps
Molybdenum	95-1	973	870	893	912	5.94	cps
Molybdenum	96-1	3360	3230	3407	3333	2.75	cps
Molybdenum	97-1	503	490	490	494	1.56	cps
Molybdenum	98-1	1103	1200	1177	1160	4.35	cps
Neodymium	150-1	57690	58457	58456	58201	0.76	cps
Neodymium	150-2	14241	14041	13760	14014	1.72	cps
Nickel	60-2	37740	37549	37773	37688	0.32	cps
Phosphorus	31-2	70	97	127	98	28.99	cps
Potassium	39-2	91773	93769	92819	92787	1.08	cps
Rhodium	103-1	15611572	15168963	15326261	15368932	1.46	cps
Rhodium	103-2	5941030	5954787	5943358	5946391	0.12	cps
Scandium	45-1	10479747	10674113	10765563	10639808	1.37	cps
Scandium	45-2	197644	198107	197079	197610	0.26	cps
Selenium	82-1	110	177	107	131	30.12	cps
Selenium	77-2	57	63	50	57	11.76	cps
Selenium	78-2	57	83	90	77	23.00	cps
Silicon	28-1	84412625	84873927	87795909	85694154	2.14	cps
Silver	107-1	400	483	477	453	10.22	cps
Silver	109-1	277	313	307	299	6.54	cps
Sodium	23-2	6952417	6965911	6880442	6932923	0.66	cps
Strontium	86-1	861598	872968	885948	873505	1.39	cps
Strontium	88-1	7764374	7912493	7890482	7855783	1.02	cps
Sulfur	34-1	6303152	6163889	6293688	6253577	1.24	cps
Terbium	159-1	20415526	20330593	20633913	20460011	0.76	cps
Terbium	159-2	6723811	6621692	6671218	6672240	0.77	cps
Thallium	203-1	473	467	503	481	4.06	cps
Thallium	205-1	1067	1090	1003	1053	4.26	cps
Tin	118-1	5124	5124	5284	5178	1.78	cps
Titanium	47-1	1830	1753	1810	1798	2.21	cps
Uranium	238-1	26374	27446	27229	27017	2.10	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-06DLX5 Instrumnet Name : P8
Client Sample ID : OU4-PCS-TC-35-050725 Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:46:54 DataFile Name : 028AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	97029	97694	95580	96768	1.12	cps
Ytterbium	172-1	23207	23935	23264	23469	1.73	cps
Ytterbium	172-2	9273	9470	9333	9359	1.08	cps
Ytterbium	176-1	16657	16874	17238	16923	1.73	cps
Ytterbium	176-2	6248	6545	6432	6408	2.34	cps
Yttrium	89-1	31925961	31783550	31743562	31817691	0.30	cps
Yttrium	89-2	2349684	2326130	2291072	2322295	1.27	cps
Zinc	66-2	79602	79659	78885	79382	0.54	cps
Zirconium	90-1	2450	2690	2707	2616	5.49	cps
Zirconium	91-1	573	577	567	572	0.89	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-08DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-24-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:50:10 DataFile Name : 029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1017552	1013758	1008841	1013383	0.43	cps
Antimony	121-1	1063	977	977	1006	4.98	cps
Arsenic	75-2	2824	2564	2684	2690	4.84	cps
Barium	135-1	141456	140166	140712	140778	0.46	cps
Barium	137-1	240854	246049	245707	244204	1.19	cps
Beryllium	9-1	12668	12922	12640	12743	1.22	cps
Bismuth	209-1	12102570	11950494	11924166	11992410	0.80	cps
Bismuth	209-2	4769229	4718532	4611085	4699615	1.72	cps
Bromine	81-1	35431	36170	36675	36092	1.73	cps
Cadmium	108-1	833	833	783	817	3.54	cps
Cadmium	106-1	11498	11545	11558	11534	0.27	cps
Cadmium	111-1	18563	18693	18770	18675	0.56	cps
Calcium	43-1	3765027	3880601	3814335	3819988	1.52	cps
Calcium	44-1	60695916	61437182	62303779	61478959	1.31	cps
Carbon	12-1	5360414	5489806	5660313	5503511	2.73	cps
Carbon	12-2	44815	43832	44307	44318	1.11	cps
Chlorine	35-1	400023	424217	434029	419423	4.17	cps
Chlorine	35-2	1670	1783	1860	1771	5.40	cps
Chromium	52-2	35725	35838	35350	35638	0.72	cps
Cobalt	59-2	437388	438985	435270	437214	0.43	cps
Copper	63-2	229936	231137	231106	230726	0.30	cps
Dysprosium	156-1	205630	204490	205599	205240	0.32	cps
Dysprosium	156-2	54222	54514	53958	54231	0.51	cps
Erbium	164-1	157076	155770	158265	157037	0.79	cps
Erbium	164-2	50703	51573	51329	51201	0.88	cps
Gadolinium	160-1	150755	154254	154985	153331	1.47	cps
Gadolinium	160-2	60513	60737	59686	60312	0.92	cps
Holmium	165-1	19979693	19995231	19702199	19892374	0.83	cps
Holmium	165-2	6805532	6798476	6754642	6786217	0.41	cps
Indium	115-1	16490027	16655261	16940140	16695143	1.36	cps
Indium	115-2	1734853	1677346	1695654	1702618	1.73	cps
Iron	54-2	669429	670734	664399	668187	0.50	cps
Iron	56-2	12637734	12573351	12545725	12585603	0.38	cps
Iron	57-2	310853	310851	309633	310446	0.23	cps
Krypton	83-1	463	420	480	454	6.82	cps
Lead	206-1	116955	118580	118314	117950	0.74	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-08DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-24-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:50:10 DataFile Name : 029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	97396	98478	97547	97807	0.60	cps
Lead	208-1	456187	458477	457513	457392	0.25	cps
Lithium	6-1	5221047	5088970	5111934	5140650	1.37	cps
Magnesium	24-2	2372935	2378505	2375701	2375714	0.12	cps
Manganese	55-2	7430772	7400755	7371669	7401066	0.40	cps
Molybdenum	94-1	3671	3891	3437	3666	6.19	cps
Molybdenum	95-1	1100	1177	1133	1137	3.38	cps
Molybdenum	96-1	1417	1227	1407	1350	7.92	cps
Molybdenum	97-1	333	380	323	346	8.75	cps
Molybdenum	98-1	930	927	950	936	1.35	cps
Neodymium	150-1	217908	218795	216228	217644	0.60	cps
Neodymium	150-2	53061	52974	53369	53135	0.39	cps
Nickel	60-2	98552	98666	98266	98495	0.21	cps
Phosphorus	31-2	3054	3077	3020	3050	0.93	cps
Potassium	39-2	1950083	1924376	1891982	1922147	1.51	cps
Rhodium	103-1	15263887	15201705	15252556	15239383	0.22	cps
Rhodium	103-2	5929163	5954489	5889747	5924466	0.55	cps
Scandium	45-1	10579281	10479326	10503213	10520606	0.50	cps
Scandium	45-2	199377	198147	196508	198011	0.73	cps
Selenium	82-1	257	267	247	257	3.89	cps
Selenium	77-2	220	227	237	228	3.68	cps
Selenium	78-2	173	177	177	176	1.10	cps
Silicon	28-1	98461265	100162942	101280315	99968174	1.42	cps
Silver	107-1	613	697	537	616	13.00	cps
Silver	109-1	413	390	437	413	5.65	cps
Sodium	23-2	1711106	1662499	1663305	1678970	1.66	cps
Strontium	86-1	1345025	1343409	1344705	1344380	0.06	cps
Strontium	88-1	12141991	11961431	12139622	12081015	0.86	cps
Sulfur	34-1	6273944	6238294	6285383	6265874	0.39	cps
Terbium	159-1	20849291	20518463	20758283	20708679	0.83	cps
Terbium	159-2	6711219	6634886	6578133	6641412	1.01	cps
Thallium	203-1	4031	3891	3844	3922	2.48	cps
Thallium	205-1	9243	9664	9160	9356	2.89	cps
Tin	118-1	3661	4081	3701	3814	6.08	cps
Titanium	47-1	4928	5124	4948	5000	2.17	cps
Uranium	238-1	35386	36118	36609	36038	1.71	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-08DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-24-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:50:10 DataFile Name : 029AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	43559	42764	41935	42753	1.90	cps
Ytterbium	172-1	38439	38519	39027	38662	0.82	cps
Ytterbium	172-2	15462	15603	15342	15469	0.84	cps
Ytterbium	176-1	25675	26667	26179	26174	1.90	cps
Ytterbium	176-2	10674	10161	9954	10263	3.62	cps
Yttrium	89-1	33790445	33152679	33535039	33492721	0.96	cps
Yttrium	89-2	2415504	2416270	2428172	2419982	0.29	cps
Zinc	66-2	305612	305413	301032	304019	0.85	cps
Zirconium	90-1	8703	9076	9023	8934	2.26	cps
Zirconium	91-1	1890	2077	1947	1971	4.86	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-10DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-25-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:53:24 DataFile Name : 030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	622518	630255	618085	623619	0.99	cps
Antimony	121-1	813	677	810	767	10.17	cps
Arsenic	75-2	2650	2710	2744	2701	1.75	cps
Barium	135-1	136647	136654	136122	136474	0.22	cps
Barium	137-1	236127	234027	235234	235129	0.45	cps
Beryllium	9-1	8944	9158	8939	9014	1.39	cps
Bismuth	209-1	11675892	11884980	12119847	11893573	1.87	cps
Bismuth	209-2	4657032	4758487	4656086	4690535	1.25	cps
Bromine	81-1	35395	35204	35532	35377	0.46	cps
Cadmium	108-1	603	603	583	597	1.94	cps
Cadmium	106-1	10791	10958	10628	10792	1.53	cps
Cadmium	111-1	15634	15704	15347	15562	1.22	cps
Calcium	43-1	4152816	4153347	4140622	4148928	0.17	cps
Calcium	44-1	68632759	66939767	67419579	67664035	1.29	cps
Carbon	12-1	5503203	5629241	5767223	5633222	2.34	cps
Carbon	12-2	45497	44895	45386	45259	0.71	cps
Chlorine	35-1	405066	420483	430354	418635	3.04	cps
Chlorine	35-2	1817	1870	1723	1803	4.12	cps
Chromium	52-2	20929	20061	20982	20657	2.50	cps
Cobalt	59-2	283352	285932	284919	284734	0.46	cps
Copper	63-2	104330	105599	105048	104992	0.61	cps
Dysprosium	156-1	97230	97489	97502	97407	0.16	cps
Dysprosium	156-2	25427	25251	25211	25296	0.46	cps
Erbium	164-1	75606	74852	74845	75101	0.58	cps
Erbium	164-2	23851	24185	24155	24064	0.77	cps
Gadolinium	160-1	72716	72335	73105	72719	0.53	cps
Gadolinium	160-2	27983	28801	28360	28381	1.44	cps
Holmium	165-1	19722935	19533103	19871737	19709258	0.86	cps
Holmium	165-2	6733215	6818887	6805014	6785705	0.68	cps
Indium	115-1	16565784	16600372	16582375	16582843	0.10	cps
Indium	115-2	1721406	1721604	1709861	1717624	0.39	cps
Iron	54-2	656786	655383	656219	656129	0.11	cps
Iron	56-2	12344947	12305371	12276040	12308786	0.28	cps
Iron	57-2	305030	304392	303345	304256	0.28	cps
Krypton	83-1	307	387	357	350	11.55	cps
Lead	206-1	80806	79877	79734	80139	0.73	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-10DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-25-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:53:24 DataFile Name : 030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	65712	65240	65712	65555	0.42	cps
Lead	208-1	308141	308761	309371	308758	0.20	cps
Lithium	6-1	5062385	5035258	5029040	5042228	0.35	cps
Magnesium	24-2	3049919	3105472	3054099	3069830	1.01	cps
Manganese	55-2	5390742	5393601	5478552	5420965	0.92	cps
Molybdenum	94-1	3377	3164	3144	3228	4.01	cps
Molybdenum	95-1	863	833	700	799	10.88	cps
Molybdenum	96-1	1263	1273	1197	1245	3.35	cps
Molybdenum	97-1	330	287	293	303	7.69	cps
Molybdenum	98-1	727	680	643	683	6.11	cps
Neodymium	150-1	101543	101987	102971	102167	0.72	cps
Neodymium	150-2	25167	25030	24566	24921	1.26	cps
Nickel	60-2	65500	65543	65229	65424	0.26	cps
Phosphorus	31-2	3074	2977	3074	3041	1.84	cps
Potassium	39-2	1792693	1814753	1774695	1794047	1.12	cps
Rhodium	103-1	15037004	15518438	15249966	15268469	1.58	cps
Rhodium	103-2	5918486	5970417	5914075	5934326	0.53	cps
Scandium	45-1	10681819	10535605	10396563	10537995	1.35	cps
Scandium	45-2	197140	195212	195505	195952	0.53	cps
Selenium	82-1	160	40	143	114	56.80	cps
Selenium	77-2	83	100	107	97	12.44	cps
Selenium	78-2	93	100	73	89	15.61	cps
Silicon	28-1	71497717	71259937	70292117	71016591	0.90	cps
Silver	107-1	573	560	503	546	6.81	cps
Silver	109-1	300	343	360	334	9.26	cps
Sodium	23-2	1555546	1571675	1521674	1549632	1.65	cps
Strontium	86-1	1457077	1385383	1451203	1431221	2.78	cps
Strontium	88-1	12662963	12448260	12455886	12522370	0.97	cps
Sulfur	34-1	6061415	6013404	5973813	6016211	0.73	cps
Terbium	159-1	20345135	20247148	20280149	20290811	0.25	cps
Terbium	159-2	6595742	6613644	6680106	6629831	0.67	cps
Thallium	203-1	3167	2934	3080	3060	3.85	cps
Thallium	205-1	6942	7222	7022	7062	2.04	cps
Tin	118-1	3691	3514	3337	3514	5.03	cps
Titanium	47-1	4341	4427	4277	4348	1.73	cps
Uranium	238-1	16060	15867	16361	16096	1.55	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-10DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-25-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:53:24 DataFile Name : 030AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	30920	30282	31087	30763	1.38	cps
Ytterbium	172-1	19454	19174	19568	19399	1.05	cps
Ytterbium	172-2	8063	7876	7799	7912	1.71	cps
Ytterbium	176-1	14184	13564	14081	13943	2.39	cps
Ytterbium	176-2	5078	5278	5501	5286	4.01	cps
Yttrium	89-1	31180367	31252044	31424294	31285568	0.40	cps
Yttrium	89-2	2359306	2325996	2336450	2340584	0.73	cps
Zinc	66-2	272996	274463	270718	272726	0.69	cps
Zirconium	90-1	8186	8233	8489	8303	1.97	cps
Zirconium	91-1	1787	1650	1917	1785	7.47	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-12DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-26-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:56:35 DataFile Name : 031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	583278	583472	590832	585861	0.74	cps
Antimony	121-1	697	693	733	708	3.14	cps
Arsenic	75-2	1710	1643	1937	1763	8.72	cps
Barium	135-1	130377	131706	130650	130911	0.54	cps
Barium	137-1	226338	229250	230962	228850	1.02	cps
Beryllium	9-1	10158	9983	10389	10176	2.00	cps
Bismuth	209-1	11951295	12184521	11901084	12012300	1.26	cps
Bismuth	209-2	4689043	4731403	4723637	4714694	0.48	cps
Bromine	81-1	35164	36310	36534	36003	2.04	cps
Cadmium	108-1	760	673	763	732	6.97	cps
Cadmium	106-1	10861	10724	10971	10852	1.14	cps
Cadmium	111-1	16768	16983	17029	16926	0.82	cps
Calcium	43-1	3938276	3969174	3917855	3941768	0.66	cps
Calcium	44-1	63939972	63570082	63490756	63666937	0.38	cps
Carbon	12-1	5397342	5427976	5592834	5472717	1.92	cps
Carbon	12-2	43859	44186	43989	44011	0.37	cps
Chlorine	35-1	420185	449978	456442	442202	4.37	cps
Chlorine	35-2	1900	1733	1943	1859	5.96	cps
Chromium	52-2	15719	15445	15859	15674	1.34	cps
Cobalt	59-2	370910	372000	370291	371067	0.23	cps
Copper	63-2	107842	107973	109021	108279	0.60	cps
Dysprosium	156-1	108848	110398	110522	109923	0.85	cps
Dysprosium	156-2	28601	28918	28798	28772	0.56	cps
Erbium	164-1	81850	83268	83339	82819	1.01	cps
Erbium	164-2	26446	27211	26723	26794	1.45	cps
Gadolinium	160-1	79280	81865	81688	80945	1.78	cps
Gadolinium	160-2	32202	32232	31851	32095	0.66	cps
Holmium	165-1	20089908	19958994	19588568	19879157	1.31	cps
Holmium	165-2	6812865	6823578	6783126	6806523	0.31	cps
Indium	115-1	16984204	16593400	16667557	16748387	1.24	cps
Indium	115-2	1745338	1732683	1716377	1731466	0.84	cps
Iron	54-2	395127	393501	393908	394178	0.21	cps
Iron	56-2	7339199	7295194	7467023	7367139	1.21	cps
Iron	57-2	179785	182998	181668	181484	0.89	cps
Krypton	83-1	420	327	327	358	15.06	cps
Lead	206-1	66402	67323	68215	67314	1.35	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-12DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-26-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:56:35 DataFile Name : 031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	54980	55752	55823	55518	0.84	cps
Lead	208-1	256805	261861	260435	259700	1.00	cps
Lithium	6-1	5161691	5178698	5118152	5152847	0.61	cps
Magnesium	24-2	2587322	2587093	2619680	2598032	0.72	cps
Manganese	55-2	6842885	6757066	6894010	6831320	1.01	cps
Molybdenum	94-1	2840	3147	2897	2961	5.51	cps
Molybdenum	95-1	953	983	870	936	6.28	cps
Molybdenum	96-1	1143	1050	980	1058	7.75	cps
Molybdenum	97-1	313	263	290	289	8.66	cps
Molybdenum	98-1	690	747	713	717	3.97	cps
Neodymium	150-1	114809	115921	117159	115963	1.01	cps
Neodymium	150-2	28383	28530	27829	28248	1.31	cps
Nickel	60-2	72661	72540	72671	72624	0.10	cps
Phosphorus	31-2	1313	1450	1443	1402	5.50	cps
Potassium	39-2	1968510	2030065	2072455	2023677	2.58	cps
Rhodium	103-1	15384376	15111960	15303390	15266575	0.92	cps
Rhodium	103-2	6024098	5972290	5935096	5977161	0.75	cps
Scandium	45-1	10454737	10555197	10666297	10558744	1.00	cps
Scandium	45-2	197535	199302	198606	198481	0.45	cps
Selenium	82-1	253	167	207	209	20.76	cps
Selenium	77-2	133	87	113	111	21.07	cps
Selenium	78-2	77	113	110	100	20.27	cps
Silicon	28-1	78955850	80613350	80833074	80134092	1.28	cps
Silver	107-1	590	663	587	613	7.07	cps
Silver	109-1	417	417	470	434	7.09	cps
Sodium	23-2	1716598	1755440	1763744	1745261	1.44	cps
Strontium	86-1	1522976	1516145	1528222	1522448	0.40	cps
Strontium	88-1	12948622	13124593	12798383	12957199	1.26	cps
Sulfur	34-1	5545951	5656110	5595771	5599277	0.99	cps
Terbium	159-1	20556234	20392733	20682254	20543740	0.71	cps
Terbium	159-2	6719614	6652733	6687770	6686705	0.50	cps
Thallium	203-1	3467	3114	3397	3326	5.63	cps
Thallium	205-1	7939	8073	7926	7979	1.02	cps
Tin	118-1	4087	3971	3891	3983	2.48	cps
Titanium	47-1	5371	5394	5431	5399	0.56	cps
Uranium	238-1	16481	17088	16905	16825	1.85	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-12DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-26-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 15:56:35 DataFile Name : 031AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	17528	17437	17968	17644	1.61	cps
Ytterbium	172-1	20416	20396	20523	20445	0.33	cps
Ytterbium	172-2	8263	8256	8179	8233	0.56	cps
Ytterbium	176-1	15109	15015	15586	15237	2.01	cps
Ytterbium	176-2	5625	5555	5615	5598	0.68	cps
Yttrium	89-1	32285245	32170065	31956650	32137320	0.52	cps
Yttrium	89-2	2334919	2353080	2322401	2336800	0.66	cps
Zinc	66-2	358792	365706	364745	363081	1.03	cps
Zirconium	90-1	7075	7192	7289	7185	1.49	cps
Zirconium	91-1	1407	1577	1560	1515	6.19	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV02 Instrumnet Name : P8
Client Sample ID : CCV02 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:59:45 DataFile Name : 032CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3716368	3624837	3708082	3683096	1.37	cps
Antimony	121-1	11535650	11596229	11597881	11576587	0.31	cps
Arsenic	75-2	225147	225743	226549	225813	0.31	cps
Barium	135-1	13691479	13941451	13937580	13856837	1.03	cps
Barium	137-1	23791168	23883800	24162780	23945916	0.81	cps
Beryllium	9-1	2365861	2421153	2393401	2393472	1.16	cps
Bismuth	209-1	10311130	10394488	10332512	10346044	0.42	cps
Bismuth	209-2	4061531	3972042	4094193	4042589	1.56	cps
Bromine	81-1	29434	29524	29107	29355	0.75	cps
Cadmium	108-1	215424	217127	218657	217070	0.74	cps
Cadmium	106-1	316359	322349	321072	319927	0.99	cps
Cadmium	111-1	2830661	2860371	2827243	2839425	0.64	cps
Calcium	43-1	16181263	16101881	16299211	16194118	0.61	cps
Calcium	44-1	263736636	261563129	266628156	263975974	0.96	cps
Carbon	12-1	3891955	3916634	3928461	3912350	0.48	cps
Carbon	12-2	35242	34925	34140	34769	1.63	cps
Chlorine	35-1	224932	223835	219868	222878	1.20	cps
Chlorine	35-2	910	850	923	894	4.37	cps
Chromium	52-2	2264240	2284583	2240292	2263038	0.98	cps
Cobalt	59-2	4143896	4137569	4058149	4113205	1.16	cps
Copper	63-2	31609830	31389090	31563215	31520711	0.37	cps
Dysprosium	156-1	737	707	690	711	3.33	cps
Dysprosium	156-2	157	147	157	153	3.77	cps
Erbium	164-1	673	687	743	701	5.30	cps
Erbium	164-2	223	217	223	221	1.74	cps
Gadolinium	160-1	543	567	487	532	7.73	cps
Gadolinium	160-2	207	273	177	219	22.61	cps
Holmium	165-1	18613348	18747586	18695407	18685447	0.36	cps
Holmium	165-2	6342836	6430817	6354732	6376128	0.75	cps
Indium	115-1	14898185	14418529	14718489	14678401	1.65	cps
Indium	115-2	1424351	1428887	1435990	1429743	0.41	cps
Iron	54-2	22959760	23183811	22748970	22964180	0.95	cps
Iron	56-2	424362620	423649487	422449380	423487163	0.23	cps
Iron	57-2	10707108	10895438	10576050	10726199	1.50	cps
Krypton	83-1	270	247	267	261	4.83	cps
Lead	206-1	39861239	40756760	42063049	40893683	2.71	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV02 Instrumnet Name : P8
Client Sample ID : CCV02 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:59:45 DataFile Name : 032CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	34538565	35199376	35689285	35142409	1.64	cps
Lead	208-1	159212443	162203288	165155007	162190246	1.83	cps
Lithium	6-1	4538814	4573536	4511301	4541217	0.69	cps
Magnesium	24-2	61995179	61279124	61897222	61723842	0.63	cps
Manganese	55-2	9441243	9467864	9250268	9386459	1.26	cps
Molybdenum	94-1	39711039	40508103	40978883	40399342	1.59	cps
Molybdenum	95-1	57730374	58691177	58494117	58305223	0.87	cps
Molybdenum	96-1	62867567	63346171	63390071	63201270	0.46	cps
Molybdenum	97-1	35665701	35943984	36020143	35876609	0.52	cps
Molybdenum	98-1	92919392	92990295	93889835	93266508	0.58	cps
Neodymium	150-1	1360	1370	1333	1355	1.40	cps
Neodymium	150-2	60	107	110	92	30.31	cps
Nickel	60-2	1051306	1058618	1052504	1054143	0.37	cps
Phosphorus	31-2	36897	36523	36051	36490	1.16	cps
Potassium	39-2	21300721	21142900	21450688	21298103	0.72	cps
Rhodium	103-1	13044078	13087647	13117156	13082960	0.28	cps
Rhodium	103-2	5080067	5084162	5118958	5094396	0.42	cps
Scandium	45-1	9279779	9392449	9608149	9426792	1.77	cps
Scandium	45-2	182986	183709	184114	183603	0.31	cps
Selenium	82-1	164257	165730	166981	165656	0.82	cps
Selenium	77-2	2944	2927	2874	2915	1.25	cps
Selenium	78-2	9533	9854	9747	9711	1.68	cps
Silicon	28-1	67574132	69366559	68235899	68392197	1.33	cps
Silver	107-1	13706734	13802949	13752557	13754080	0.35	cps
Silver	109-1	12720591	12811780	12962750	12831707	0.95	cps
Sodium	23-2	119168075	121459895	119842972	120156980	0.98	cps
Strontium	86-1	3780280	3810008	3792154	3794147	0.39	cps
Strontium	88-1	32448946	32536955	32464398	32483433	0.14	cps
Sulfur	34-1	1356399	1349872	1325071	1343781	1.23	cps
Terbium	159-1	18918763	19095645	18995264	19003224	0.47	cps
Terbium	159-2	6158069	6137174	6116097	6137113	0.34	cps
Thallium	203-1	9977474	9945340	10332956	10085257	2.13	cps
Thallium	205-1	23467645	23661795	24223526	23784322	1.65	cps
Tin	118-1	9332199	9378519	9371296	9360671	0.27	cps
Titanium	47-1	15116432	15381630	15560667	15352910	1.46	cps
Uranium	238-1	31892334	32549289	32278212	32239945	1.02	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV02 Instrumnet Name : P8
Client Sample ID : CCV02 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 15:59:45 DataFile Name : 032CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1735211	1744351	1751748	1743770	0.48	cps
Ytterbium	172-1	1010	940	1040	997	5.15	cps
Ytterbium	172-2	307	377	360	348	10.52	cps
Ytterbium	176-1	52203	52527	51875	52202	0.62	cps
Ytterbium	176-2	17325	17221	17508	17352	0.84	cps
Yttrium	89-1	27901262	27779685	27937809	27872919	0.30	cps
Yttrium	89-2	2065190	2036100	2084803	2062031	1.19	cps
Zinc	66-2	3684809	3624284	3566173	3625089	1.64	cps
Zirconium	90-1	20102652	20381483	20684821	20389652	1.43	cps
Zirconium	91-1	4484556	4572726	4539766	4532349	0.98	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB02 Instrumnet Name : P8
Client Sample ID : CCB02 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:05:22 DataFile Name : 033CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	137	160	147	148	7.92	cps
Antimony	121-1	1190	1060	970	1073	10.31	cps
Arsenic	75-2	10	10	0	7	86.60	cps
Barium	135-1	213	193	153	187	16.37	cps
Barium	137-1	323	267	287	292	9.84	cps
Beryllium	9-1	269	261	243	258	5.20	cps
Bismuth	209-1	12354500	12196736	12343066	12298101	0.72	cps
Bismuth	209-2	4781904	4801083	4802423	4795137	0.24	cps
Bromine	81-1	30971	30219	30176	30455	1.47	cps
Cadmium	108-1	20	40	37	32	33.25	cps
Cadmium	106-1	9437	9603	9680	9573	1.30	cps
Cadmium	111-1	6652	6748	6790	6730	1.06	cps
Calcium	43-1	867	957	873	899	5.58	cps
Calcium	44-1	28818	28959	28718	28832	0.42	cps
Carbon	12-1	3839458	3814093	3855671	3836407	0.55	cps
Carbon	12-2	30244	30017	28832	29698	2.55	cps
Chlorine	35-1	161233	158666	158882	159594	0.89	cps
Chlorine	35-2	590	673	650	638	6.74	cps
Chromium	52-2	943	830	920	898	6.67	cps
Cobalt	59-2	117	83	83	94	20.38	cps
Copper	63-2	1557	1510	1553	1540	1.69	cps
Dysprosium	156-1	17	20	17	18	10.81	cps
Dysprosium	156-2	3	3	3	3	0.00	cps
Erbium	164-1	133	127	157	139	11.34	cps
Erbium	164-2	40	60	37	46	27.70	cps
Gadolinium	160-1	97	127	90	104	18.70	cps
Gadolinium	160-2	23	23	53	33	51.97	cps
Holmium	165-1	19901031	19575933	19754800	19743921	0.82	cps
Holmium	165-2	6785675	6830579	6872159	6829471	0.63	cps
Indium	115-1	16709225	16770890	16892016	16790710	0.55	cps
Indium	115-2	1775206	1790081	1761034	1775441	0.82	cps
Iron	54-2	763	683	663	703	7.52	cps
Iron	56-2	8006	8727	7689	8140	6.54	cps
Iron	57-2	180	203	187	190	6.33	cps
Krypton	83-1	300	217	253	257	16.27	cps
Lead	206-1	1530	1640	1443	1538	6.41	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB02 Instrumnet Name : P8
Client Sample ID : CCB02 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:05:22 DataFile Name : 033CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1337	1120	1273	1243	8.96	cps
Lead	208-1	6287	5871	5537	5898	6.37	cps
Lithium	6-1	5185312	5099247	5253067	5179209	1.49	cps
Magnesium	24-2	777	667	683	709	8.36	cps
Manganese	55-2	4651	4651	4447	4583	2.56	cps
Molybdenum	94-1	1433	1273	1353	1353	5.91	cps
Molybdenum	95-1	837	770	780	796	4.52	cps
Molybdenum	96-1	1050	1040	947	1012	5.63	cps
Molybdenum	97-1	513	423	437	458	10.61	cps
Molybdenum	98-1	1407	1297	1123	1276	11.20	cps
Neodymium	150-1	17	10	17	14	26.66	cps
Neodymium	150-2	0	3	3	2	86.60	cps
Nickel	60-2	297	227	310	278	16.12	cps
Phosphorus	31-2	80	90	113	94	18.11	cps
Potassium	39-2	15348	15081	15298	15243	0.93	cps
Rhodium	103-1	15819600	15676518	15571305	15689141	0.79	cps
Rhodium	103-2	6104541	6163560	6123041	6130381	0.49	cps
Scandium	45-1	10722211	10691095	10613287	10675531	0.53	cps
Scandium	45-2	196424	199429	197637	197830	0.76	cps
Selenium	82-1	-43	57	30	14	358.56	cps
Selenium	77-2	3	0	0	1	173.21	cps
Selenium	78-2	13	13	7	11	34.61	cps
Silicon	28-1	520227	501954	509504	510562	1.80	cps
Silver	107-1	737	707	717	720	2.12	cps
Silver	109-1	620	597	550	589	6.05	cps
Sodium	23-2	43174	42549	42234	42652	1.12	cps
Strontium	86-1	520	430	467	472	9.58	cps
Strontium	88-1	637	683	577	632	8.46	cps
Sulfur	34-1	537412	535815	535305	536177	0.20	cps
Terbium	159-1	20550522	20186639	20449850	20395671	0.92	cps
Terbium	159-2	6620031	6575943	6746165	6647380	1.33	cps
Thallium	203-1	447	547	477	490	10.47	cps
Thallium	205-1	1147	1157	1157	1153	0.50	cps
Tin	118-1	3214	3210	3430	3285	3.84	cps
Titanium	47-1	447	300	357	368	20.11	cps
Uranium	238-1	307	293	283	294	3.98	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB02 Instrumnet Name : P8
Client Sample ID : CCB02 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:05:22 DataFile Name : 033CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	13	27	10	17	52.93	cps
Ytterbium	172-1	133	123	123	127	4.56	cps
Ytterbium	172-2	50	53	57	53	6.25	cps
Ytterbium	176-1	2364	2304	2174	2280	4.26	cps
Ytterbium	176-2	640	637	663	647	2.25	cps
Yttrium	89-1	30327358	29873308	30161872	30120846	0.76	cps
Yttrium	89-2	2208606	2256165	2232810	2232527	1.07	cps
Zinc	66-2	363	413	380	386	6.60	cps
Zirconium	90-1	2520	2760	2634	2638	4.55	cps
Zirconium	91-1	550	533	583	556	4.58	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-14DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-27-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:09:08 DataFile Name : 034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	488164	488534	491142	489280	0.33	cps
Antimony	121-1	900	983	1100	994	10.10	cps
Arsenic	75-2	2124	2244	2077	2148	4.00	cps
Barium	135-1	145353	144411	145953	145239	0.54	cps
Barium	137-1	250650	251224	251152	251009	0.12	cps
Beryllium	9-1	9278	9410	9205	9298	1.11	cps
Bismuth	209-1	12235278	11763178	11842588	11947015	2.12	cps
Bismuth	209-2	4684096	4707355	4673452	4688301	0.37	cps
Bromine	81-1	34636	34205	34148	34330	0.78	cps
Cadmium	108-1	803	710	773	762	6.25	cps
Cadmium	106-1	11001	10814	11038	10951	1.09	cps
Cadmium	111-1	17276	17227	17196	17233	0.23	cps
Calcium	43-1	4407152	4498253	4534054	4479820	1.46	cps
Calcium	44-1	72137326	72777717	73159736	72691593	0.71	cps
Carbon	12-1	5606272	5794934	5839576	5746927	2.15	cps
Carbon	12-2	45921	45072	46039	45677	1.15	cps
Chlorine	35-1	430393	462221	480556	457723	5.55	cps
Chlorine	35-2	2114	2027	1943	2028	4.19	cps
Chromium	52-2	14734	14638	14501	14624	0.80	cps
Cobalt	59-2	357660	355768	354191	355873	0.49	cps
Copper	63-2	86079	86904	87326	86770	0.73	cps
Dysprosium	156-1	80226	79867	79954	80015	0.23	cps
Dysprosium	156-2	21250	20923	20756	20977	1.20	cps
Erbium	164-1	57822	59204	59877	58968	1.78	cps
Erbium	164-2	19207	18697	19832	19245	2.95	cps
Gadolinium	160-1	57108	58166	58441	57905	1.22	cps
Gadolinium	160-2	23073	22609	23020	22901	1.11	cps
Holmium	165-1	20021880	19851902	20150956	20008246	0.75	cps
Holmium	165-2	6843971	6741564	6858416	6814651	0.93	cps
Indium	115-1	16798299	16778734	16736179	16771071	0.19	cps
Indium	115-2	1767878	1702119	1729764	1733254	1.90	cps
Iron	54-2	395843	398181	395355	396460	0.38	cps
Iron	56-2	7517464	7486158	7342401	7448674	1.25	cps
Iron	57-2	182573	183144	183702	183140	0.31	cps
Krypton	83-1	300	340	370	337	10.43	cps
Lead	206-1	68098	69160	68064	68440	0.91	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-14DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-27-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:09:08 DataFile Name : 034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	56174	57333	56077	56528	1.24	cps
Lead	208-1	264068	266191	264638	264965	0.41	cps
Lithium	6-1	5362598	5305474	5230948	5299673	1.25	cps
Magnesium	24-2	2931868	2942395	2881591	2918618	1.11	cps
Manganese	55-2	6775582	6915085	6851258	6847309	1.02	cps
Molybdenum	94-1	3164	3250	3130	3182	1.95	cps
Molybdenum	95-1	1040	1153	1043	1079	5.98	cps
Molybdenum	96-1	1193	1233	1273	1233	3.24	cps
Molybdenum	97-1	407	413	410	410	0.81	cps
Molybdenum	98-1	963	940	930	944	1.81	cps
Neodymium	150-1	81781	84403	83363	83182	1.59	cps
Neodymium	150-2	20469	20329	19958	20252	1.30	cps
Nickel	60-2	71059	70721	71264	71015	0.39	cps
Phosphorus	31-2	2100	1990	2067	2052	2.75	cps
Potassium	39-2	2245592	2227696	2238287	2237192	0.40	cps
Rhodium	103-1	15534792	15385367	15099064	15339741	1.44	cps
Rhodium	103-2	5988480	5899635	5917121	5935079	0.79	cps
Scandium	45-1	10681117	10610634	10559955	10617235	0.57	cps
Scandium	45-2	197374	198718	196904	197665	0.48	cps
Selenium	82-1	217	77	40	111	83.91	cps
Selenium	77-2	90	107	83	93	12.88	cps
Selenium	78-2	80	73	87	80	8.34	cps
Silicon	28-1	69619182	70604699	69270881	69831587	0.99	cps
Silver	107-1	663	687	707	686	3.16	cps
Silver	109-1	447	480	517	481	7.28	cps
Sodium	23-2	1813776	1858894	1803782	1825484	1.61	cps
Strontium	86-1	1674523	1714954	1683298	1690925	1.26	cps
Strontium	88-1	14729994	14676427	14476926	14627782	0.91	cps
Sulfur	34-1	5874773	6026726	6012505	5971334	1.41	cps
Terbium	159-1	20659661	20534203	20707567	20633810	0.43	cps
Terbium	159-2	6721493	6723427	6617604	6687508	0.91	cps
Thallium	203-1	3541	3564	3370	3492	3.02	cps
Thallium	205-1	8406	8269	8516	8397	1.47	cps
Tin	118-1	3764	3597	3334	3565	6.09	cps
Titanium	47-1	3157	3547	3520	3408	6.39	cps
Uranium	238-1	13030	13317	13114	13154	1.12	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-14DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-27-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:09:08 DataFile Name : 034AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	19183	19340	19483	19335	0.78	cps
Ytterbium	172-1	15279	15396	15242	15306	0.52	cps
Ytterbium	172-2	6131	5951	5658	5914	4.04	cps
Ytterbium	176-1	11425	11458	11822	11568	1.90	cps
Ytterbium	176-2	4117	4187	4171	4158	0.88	cps
Yttrium	89-1	32080169	32026747	31696098	31934338	0.65	cps
Yttrium	89-2	2280901	2328260	2306139	2305100	1.03	cps
Zinc	66-2	293759	299679	296457	296632	1.00	cps
Zirconium	90-1	8336	8713	8543	8530	2.21	cps
Zirconium	91-1	1753	1753	1687	1731	2.22	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:12:18 DataFile Name : 035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1360273	1310366	1320153	1330264	1.99	cps
Antimony	121-1	797	803	847	816	3.33	cps
Arsenic	75-2	2827	2804	2557	2729	5.48	cps
Barium	135-1	130901	132561	132743	132068	0.77	cps
Barium	137-1	229603	228993	231763	230120	0.63	cps
Beryllium	9-1	14318	14242	14249	14270	0.30	cps
Bismuth	209-1	12105736	12027793	11981354	12038294	0.52	cps
Bismuth	209-2	4473125	4704694	4666868	4614896	2.69	cps
Bromine	81-1	35966	35846	35558	35790	0.59	cps
Cadmium	108-1	850	837	923	870	5.36	cps
Cadmium	106-1	11845	12346	11788	11993	2.56	cps
Cadmium	111-1	19625	20122	19297	19681	2.11	cps
Calcium	43-1	2993877	3064654	3045182	3034571	1.20	cps
Calcium	44-1	49950529	50656889	49591753	50066390	1.08	cps
Carbon	12-1	5291018	5460576	5426085	5392560	1.66	cps
Carbon	12-2	43180	43474	42809	43154	0.77	cps
Chlorine	35-1	354363	368412	374862	365879	2.86	cps
Chlorine	35-2	1583	1553	1650	1596	3.10	cps
Chromium	52-2	40838	39936	39963	40245	1.28	cps
Cobalt	59-2	473629	476649	472832	474370	0.42	cps
Copper	63-2	403571	403748	397885	401735	0.83	cps
Dysprosium	156-1	342993	344042	341951	342995	0.30	cps
Dysprosium	156-2	89953	90782	89426	90054	0.76	cps
Erbium	164-1	260767	259010	265674	261817	1.32	cps
Erbium	164-2	85214	84714	84127	84685	0.64	cps
Gadolinium	160-1	255207	258445	255671	256441	0.68	cps
Gadolinium	160-2	99998	100713	101442	100718	0.72	cps
Holmium	165-1	20347419	20179240	19956147	20160935	0.97	cps
Holmium	165-2	6435416	6802576	6847518	6695170	3.38	cps
Indium	115-1	16913566	16760794	16770517	16814959	0.51	cps
Indium	115-2	1606990	1730279	1717222	1684830	4.02	cps
Iron	54-2	617607	612496	608138	612747	0.77	cps
Iron	56-2	11586636	11369512	11335449	11430532	1.19	cps
Iron	57-2	283762	279462	281814	281679	0.76	cps
Krypton	83-1	570	563	643	592	7.49	cps
Lead	206-1	131805	133186	132917	132636	0.55	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:12:18 DataFile Name : 035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	109010	109283	108684	108992	0.28	cps
Lead	208-1	511075	513845	513917	512946	0.32	cps
Lithium	6-1	5229049	5170111	5220776	5206645	0.61	cps
Magnesium	24-2	1990628	1961392	1966478	1972833	0.79	cps
Manganese	55-2	7327006	7448657	7325000	7366888	0.96	cps
Molybdenum	94-1	3514	3220	3467	3400	4.64	cps
Molybdenum	95-1	1130	1027	1053	1070	5.01	cps
Molybdenum	96-1	1287	1197	1220	1235	3.78	cps
Molybdenum	97-1	370	380	370	373	1.55	cps
Molybdenum	98-1	820	907	927	884	6.41	cps
Neodymium	150-1	367078	369663	368492	368411	0.35	cps
Neodymium	150-2	88127	87674	87878	87893	0.26	cps
Nickel	60-2	109134	107250	107724	108036	0.91	cps
Phosphorus	31-2	2844	2924	2864	2877	1.45	cps
Potassium	39-2	1451011	1466365	1463926	1460434	0.56	cps
Rhodium	103-1	15264304	15147430	15478380	15296705	1.10	cps
Rhodium	103-2	5568745	5952879	5920954	5814193	3.67	cps
Scandium	45-1	10943271	10575562	10669748	10729527	1.78	cps
Scandium	45-2	185356	197286	196667	193103	3.48	cps
Selenium	82-1	500	523	267	430	33.01	cps
Selenium	77-2	367	350	360	359	2.34	cps
Selenium	78-2	233	270	220	241	10.74	cps
Silicon	28-1	117653555	115931222	113539228	115708002	1.79	cps
Silver	107-1	720	643	760	708	8.38	cps
Silver	109-1	467	520	517	501	5.96	cps
Sodium	23-2	1522122	1446346	1452758	1473742	2.85	cps
Strontium	86-1	1040966	1050682	1049744	1047130	0.51	cps
Strontium	88-1	9429049	9387781	9385578	9400803	0.26	cps
Sulfur	34-1	6014377	5954100	6009009	5992495	0.56	cps
Terbium	159-1	20907423	21178976	20871757	20986052	0.80	cps
Terbium	159-2	6168324	6732479	6621728	6507511	4.59	cps
Thallium	203-1	3761	4004	3691	3818	4.31	cps
Thallium	205-1	9083	8893	9157	9044	1.50	cps
Tin	118-1	4044	3911	4137	4031	2.83	cps
Titanium	47-1	4938	4978	5051	4989	1.15	cps
Uranium	238-1	71714	71151	71155	71340	0.45	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16DLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725DL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:12:18 DataFile Name : 035AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	49783	49445	49228	49485	0.57	cps
Ytterbium	172-1	64419	64975	64901	64765	0.47	cps
Ytterbium	172-2	25404	25792	25725	25640	0.81	cps
Ytterbium	176-1	42117	42063	41284	41822	1.11	cps
Ytterbium	176-2	16354	16220	16277	16283	0.41	cps
Yttrium	89-1	35508646	35589089	35509897	35535877	0.13	cps
Yttrium	89-2	2422928	2467407	2502481	2464272	1.62	cps
Zinc	66-2	272216	269125	272550	271297	0.70	cps
Zirconium	90-1	8156	8426	8743	8442	3.48	cps
Zirconium	91-1	1703	1843	1803	1783	4.04	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16DUPDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725DUPI Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:15:32 DataFile Name : 036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1295907	1259682	1270947	1275512	1.45	cps
Antimony	121-1	720	717	723	720	0.46	cps
Arsenic	75-2	2464	2480	2444	2462	0.75	cps
Barium	135-1	127775	128812	128425	128337	0.41	cps
Barium	137-1	224770	223218	224899	224296	0.42	cps
Beryllium	9-1	13919	14008	13702	13876	1.14	cps
Bismuth	209-1	12051617	11972384	12045832	12023278	0.37	cps
Bismuth	209-2	4713032	4582878	4627012	4640974	1.43	cps
Bromine	81-1	35231	35321	35368	35307	0.20	cps
Cadmium	108-1	950	840	850	880	6.91	cps
Cadmium	106-1	12139	11935	11939	12004	0.97	cps
Cadmium	111-1	19454	19472	19310	19412	0.46	cps
Calcium	43-1	3061092	3045406	2901630	3002709	2.93	cps
Calcium	44-1	48957164	48732181	47580146	48423164	1.53	cps
Carbon	12-1	5226264	5374257	5398432	5332984	1.75	cps
Carbon	12-2	42682	42902	42919	42835	0.31	cps
Chlorine	35-1	340974	357383	363465	353941	3.29	cps
Chlorine	35-2	1573	1397	1493	1488	5.95	cps
Chromium	52-2	38712	39588	39698	39333	1.37	cps
Cobalt	59-2	460950	459500	460738	460396	0.17	cps
Copper	63-2	387080	390895	389344	389106	0.49	cps
Dysprosium	156-1	332159	333933	333455	333182	0.28	cps
Dysprosium	156-2	87578	87128	86360	87022	0.71	cps
Erbium	164-1	253181	253582	256088	254283	0.62	cps
Erbium	164-2	81618	82302	81662	81861	0.47	cps
Gadolinium	160-1	250394	252417	249185	250665	0.65	cps
Gadolinium	160-2	95583	96989	96731	96434	0.78	cps
Holmium	165-1	20455393	20141589	20083241	20226741	0.99	cps
Holmium	165-2	6815839	6713044	6767000	6765294	0.76	cps
Indium	115-1	16832980	16817967	16512304	16721084	1.08	cps
Indium	115-2	1706776	1690808	1679835	1692473	0.80	cps
Iron	54-2	585745	591982	587882	588537	0.54	cps
Iron	56-2	11068712	11081218	10955497	11035142	0.63	cps
Iron	57-2	274894	274104	270631	273210	0.83	cps
Krypton	83-1	600	537	573	570	5.58	cps
Lead	206-1	128388	130645	129337	129457	0.88	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16DUPDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725DUP Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:15:32 DataFile Name : 036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	105602	107115	107736	106818	1.03	cps
Lead	208-1	493623	502035	500850	498836	0.91	cps
Lithium	6-1	5294905	5332779	5293507	5307064	0.42	cps
Magnesium	24-2	1955148	1907955	1933113	1932072	1.22	cps
Manganese	55-2	7023212	7174959	7048980	7082384	1.15	cps
Molybdenum	94-1	3037	3147	3324	3169	4.56	cps
Molybdenum	95-1	947	963	920	943	2.32	cps
Molybdenum	96-1	1190	1217	1243	1217	2.19	cps
Molybdenum	97-1	297	387	317	333	14.18	cps
Molybdenum	98-1	883	803	893	860	5.74	cps
Neodymium	150-1	358121	357134	358948	358068	0.25	cps
Neodymium	150-2	84897	84799	85899	85198	0.71	cps
Nickel	60-2	104735	104165	104645	104515	0.29	cps
Phosphorus	31-2	2854	2730	3000	2861	4.72	cps
Potassium	39-2	1454448	1464020	1455254	1457908	0.36	cps
Rhodium	103-1	15478519	15324332	15151201	15318017	1.07	cps
Rhodium	103-2	5907617	5935114	5829274	5890668	0.93	cps
Scandium	45-1	10698042	10577077	10435411	10570177	1.24	cps
Scandium	45-2	194238	196551	194184	194991	0.69	cps
Selenium	82-1	387	450	433	423	7.76	cps
Selenium	77-2	403	433	413	417	3.67	cps
Selenium	78-2	247	310	257	271	12.56	cps
Silicon	28-1	110083755	110670388	110378508	110377551	0.27	cps
Silver	107-1	603	667	673	648	5.96	cps
Silver	109-1	443	477	440	453	4.47	cps
Sodium	23-2	1436566	1404654	1421181	1420800	1.12	cps
Strontium	86-1	1015448	1013482	1017476	1015468	0.20	cps
Strontium	88-1	9148830	9093995	8987661	9076829	0.90	cps
Sulfur	34-1	5814041	5878331	5895075	5862482	0.73	cps
Terbium	159-1	21180244	20814531	20692463	20895746	1.21	cps
Terbium	159-2	6622276	6471287	6606582	6566715	1.26	cps
Thallium	203-1	3751	3714	4014	3826	4.28	cps
Thallium	205-1	8860	8813	9057	8910	1.45	cps
Tin	118-1	3997	4061	4091	4050	1.18	cps
Titanium	47-1	5131	4954	4938	5008	2.14	cps
Uranium	238-1	69438	70578	69928	69981	0.82	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16DUPDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725DUP Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:15:32 DataFile Name : 036AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	47361	47418	47830	47536	0.54	cps
Ytterbium	172-1	62932	63501	64332	63588	1.11	cps
Ytterbium	172-2	24810	24690	24934	24811	0.49	cps
Ytterbium	176-1	40910	40371	40963	40748	0.80	cps
Ytterbium	176-2	15953	16147	15953	16018	0.70	cps
Yttrium	89-1	35514503	34588947	34587451	34896967	1.53	cps
Yttrium	89-2	2485569	2505927	2507126	2499540	0.48	cps
Zinc	66-2	263413	259867	262642	261974	0.71	cps
Zirconium	90-1	7852	8026	7656	7845	2.36	cps
Zirconium	91-1	1790	1703	1710	1735	2.78	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16LDLX25 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725LDL Dilution Factor : 25
Date & Time Acquired : 2025-05-21 16:18:45 DataFile Name : 037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1260033	1282144	1305091	1282423	1.76	cps
Antimony	121-1	720	670	683	691	3.75	cps
Arsenic	75-2	2460	2837	2564	2620	7.43	cps
Barium	135-1	127503	127712	127661	127625	0.09	cps
Barium	137-1	221952	224225	223656	223278	0.53	cps
Beryllium	9-1	13554	13476	13611	13547	0.50	cps
Bismuth	209-1	12095808	12013427	11973087	12027441	0.52	cps
Bismuth	209-2	4644969	4155160	4666001	4488710	6.44	cps
Bromine	81-1	35896	35679	35742	35772	0.31	cps
Cadmium	108-1	820	793	833	816	2.50	cps
Cadmium	106-1	12219	11992	11742	11984	1.99	cps
Cadmium	111-1	19374	19307	19164	19282	0.56	cps
Calcium	43-1	2967253	2918448	3013600	2966434	1.60	cps
Calcium	44-1	47826331	47761349	48188891	47925524	0.48	cps
Carbon	12-1	5281264	5297130	5440555	5339650	1.64	cps
Carbon	12-2	42448	42953	42772	42724	0.60	cps
Chlorine	35-1	332858	348978	357695	346510	3.64	cps
Chlorine	35-2	1393	1397	1513	1435	4.76	cps
Chromium	52-2	39515	39217	38358	39030	1.54	cps
Cobalt	59-2	462921	463413	460074	462136	0.39	cps
Copper	63-2	388025	390243	387037	388435	0.42	cps
Dysprosium	156-1	327196	333407	330618	330407	0.94	cps
Dysprosium	156-2	87222	87769	88336	87775	0.63	cps
Erbium	164-1	253894	255372	251884	253717	0.69	cps
Erbium	164-2	82135	82745	81726	82202	0.62	cps
Gadolinium	160-1	249561	247522	249847	248977	0.51	cps
Gadolinium	160-2	97234	98379	97466	97693	0.62	cps
Holmium	165-1	20363121	20336160	19913116	20204132	1.25	cps
Holmium	165-2	6819404	6036300	7009403	6621702	7.79	cps
Indium	115-1	16844925	16515981	16780327	16713744	1.04	cps
Indium	115-2	1682842	1512134	1705064	1633347	6.46	cps
Iron	54-2	594552	600253	587439	594082	1.08	cps
Iron	56-2	11048908	11134799	10968625	11050777	0.75	cps
Iron	57-2	273043	275619	272651	273771	0.59	cps
Krypton	83-1	520	590	520	543	7.44	cps
Lead	206-1	127900	127789	129543	128411	0.76	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16LDLX25 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725LDL Dilution Factor : 25
Date & Time Acquired : 2025-05-21 16:18:45 DataFile Name : 037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	106312	105959	108866	107045	1.48	cps
Lead	208-1	496006	497627	502028	498554	0.63	cps
Lithium	6-1	5272515	5090347	5188515	5183792	1.76	cps
Magnesium	24-2	1895147	1928983	1907828	1910653	0.89	cps
Manganese	55-2	7071430	7256370	7053814	7127205	1.57	cps
Molybdenum	94-1	2940	3014	3054	3003	1.91	cps
Molybdenum	95-1	1107	953	1023	1028	7.47	cps
Molybdenum	96-1	1200	1137	1147	1161	2.93	cps
Molybdenum	97-1	283	363	270	306	16.52	cps
Molybdenum	98-1	827	853	847	842	1.65	cps
Neodymium	150-1	351474	358423	354856	354918	0.98	cps
Neodymium	150-2	85544	85506	85725	85592	0.14	cps
Nickel	60-2	104437	105165	106240	105281	0.86	cps
Phosphorus	31-2	2790	2937	2930	2886	2.87	cps
Potassium	39-2	1441029	1445054	1409816	1431966	1.35	cps
Rhodium	103-1	15605994	15321725	15310585	15412768	1.09	cps
Rhodium	103-2	5814712	5225865	5988935	5676504	7.04	cps
Scandium	45-1	10597274	10448744	10557162	10534393	0.73	cps
Scandium	45-2	193364	174380	195543	187762	6.20	cps
Selenium	82-1	453	340	487	427	18.02	cps
Selenium	77-2	457	403	340	400	14.60	cps
Selenium	78-2	280	227	220	242	13.58	cps
Silicon	28-1	109850222	109415798	109831098	109699039	0.22	cps
Silver	107-1	670	687	707	688	2.67	cps
Silver	109-1	543	493	440	492	10.50	cps
Sodium	23-2	1438879	1418253	1423957	1427029	0.75	cps
Strontium	86-1	1017680	1022784	1019756	1020073	0.25	cps
Strontium	88-1	9052993	9093094	9331093	9159060	1.64	cps
Sulfur	34-1	5733110	5834861	5851967	5806646	1.11	cps
Terbium	159-1	20884468	20436759	20495635	20605620	1.18	cps
Terbium	159-2	6553880	5933027	6568953	6351954	5.71	cps
Thallium	203-1	3624	3637	3714	3658	1.33	cps
Thallium	205-1	8923	8977	8740	8880	1.40	cps
Tin	118-1	4077	4067	3941	4028	1.89	cps
Titanium	47-1	4821	4901	4914	4879	1.03	cps
Uranium	238-1	69371	70946	69643	69987	1.20	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16LDLX25 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725LDL Dilution Factor : 25
Date & Time Acquired : 2025-05-21 16:18:45 DataFile Name : 037AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	47692	48268	47833	47931	0.63	cps
Ytterbium	172-1	62590	63180	62212	62661	0.78	cps
Ytterbium	172-2	25017	25421	24730	25056	1.39	cps
Ytterbium	176-1	40940	40833	40569	40781	0.47	cps
Ytterbium	176-2	15983	16243	15753	15993	1.53	cps
Yttrium	89-1	34978260	34510724	34827298	34772094	0.69	cps
Yttrium	89-2	2491278	2293919	2508907	2431368	4.91	cps
Zinc	66-2	261482	264544	261498	262508	0.67	cps
Zirconium	90-1	7729	7652	8109	7830	3.12	cps
Zirconium	91-1	1663	1687	1727	1692	1.89	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16MSDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725MSDI Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:22:00 DataFile Name : 038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1356363	1311644	1354596	1340868	1.89	cps
Antimony	121-1	2434102	2439860	2481584	2451849	1.06	cps
Arsenic	75-2	2364	2607	2484	2485	4.90	cps
Barium	135-1	2695451	2819182	2791897	2768843	2.35	cps
Barium	137-1	4743110	4703766	4742045	4729640	0.47	cps
Beryllium	9-1	523448	527304	527431	526061	0.43	cps
Bismuth	209-1	11919183	11797909	11781139	11832744	0.64	cps
Bismuth	209-2	4535846	4531411	4547910	4538389	0.19	cps
Bromine	81-1	34232	36090	35993	35438	2.95	cps
Cadmium	108-1	44307	45036	44793	44712	0.83	cps
Cadmium	106-1	76453	77362	76963	76926	0.59	cps
Cadmium	111-1	589635	591725	590648	590669	0.18	cps
Calcium	43-1	3530792	3551954	3509043	3530596	0.61	cps
Calcium	44-1	58254136	57645474	57685074	57861561	0.59	cps
Carbon	12-1	5070293	5105190	5080370	5085284	0.35	cps
Carbon	12-2	40466	41037	41294	40932	1.04	cps
Chlorine	35-1	11718895	13485330	14259664	13154630	9.90	cps
Chlorine	35-2	62263	63867	64479	63537	1.80	cps
Chromium	52-2	466645	465580	467153	466459	0.17	cps
Cobalt	59-2	1272954	1267275	1272379	1270870	0.25	cps
Copper	63-2	7221305	7222851	7174721	7206292	0.38	cps
Dysprosium	156-1	313534	314541	316603	314893	0.50	cps
Dysprosium	156-2	82610	82599	82579	82596	0.02	cps
Erbium	164-1	243454	242940	245113	243836	0.47	cps
Erbium	164-2	78805	78131	79311	78749	0.75	cps
Gadolinium	160-1	237176	238825	238686	238229	0.38	cps
Gadolinium	160-2	93270	92984	93981	93412	0.55	cps
Holmium	165-1	20061605	19968875	19904631	19978370	0.40	cps
Holmium	165-2	6796739	6729558	6691100	6739132	0.79	cps
Indium	115-1	16514378	16513898	16651510	16559929	0.48	cps
Indium	115-2	1672337	1677923	1642074	1664111	1.16	cps
Iron	54-2	1444005	1404911	1442070	1430329	1.54	cps
Iron	56-2	25797264	25877228	26062185	25912225	0.52	cps
Iron	57-2	639465	638350	641945	639920	0.29	cps
Krypton	83-1	637	563	563	588	7.20	cps
Lead	206-1	8719395	8780204	8618474	8706024	0.94	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16MSDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725MSDI Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:22:00 DataFile Name : 038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	7508804	7658874	7587681	7585119	0.99	cps
Lead	208-1	34830251	35229126	34504765	34854714	1.04	cps
Lithium	6-1	5128533	5052432	5151643	5110870	1.02	cps
Magnesium	24-2	4474517	4369745	4480124	4441462	1.40	cps
Manganese	55-2	8588442	8574334	8836009	8666262	1.70	cps
Molybdenum	94-1	3991044	3855138	3913580	3919920	1.74	cps
Molybdenum	95-1	4334239	4234125	4284755	4284373	1.17	cps
Molybdenum	96-1	4876087	4812757	4829601	4839482	0.68	cps
Molybdenum	97-1	2658094	2727197	2695425	2693572	1.28	cps
Molybdenum	98-1	6917818	7087113	6885968	6963633	1.55	cps
Neodymium	150-1	343955	339547	342239	341914	0.65	cps
Neodymium	150-2	82132	82112	82703	82316	0.41	cps
Nickel	60-2	325786	326092	323586	325155	0.42	cps
Phosphorus	31-2	2727	2744	2670	2714	1.42	cps
Potassium	39-2	2194657	2107397	2137814	2146623	2.06	cps
Rhodium	103-1	15157458	15200575	15042165	15133399	0.54	cps
Rhodium	103-2	5784835	5777168	5837711	5799904	0.57	cps
Scandium	45-1	10716947	10437236	10403370	10519184	1.64	cps
Scandium	45-2	195230	194582	191918	193910	0.91	cps
Selenium	82-1	35045	35650	35817	35504	1.14	cps
Selenium	77-2	987	893	920	933	5.15	cps
Selenium	78-2	2354	2327	2170	2284	4.34	cps
Silicon	28-1	103434712	103359365	103313015	103369031	0.06	cps
Silver	107-1	477127	488230	485721	483693	1.20	cps
Silver	109-1	451713	461718	460761	458064	1.21	cps
Sodium	23-2	6611431	6455242	6569524	6545399	1.24	cps
Strontium	86-1	1920558	1936839	1946907	1934768	0.69	cps
Strontium	88-1	16631550	16746962	16719261	16699258	0.36	cps
Sulfur	34-1	5378225	5602225	5547585	5509345	2.12	cps
Terbium	159-1	20486369	20803560	20600441	20630123	0.78	cps
Terbium	159-2	6572202	6525942	6459480	6519208	0.87	cps
Thallium	203-1	2093771	2161595	2150343	2135236	1.70	cps
Thallium	205-1	4919011	5047212	4994298	4986840	1.29	cps
Tin	118-1	1762074	1736988	1806707	1768590	2.00	cps
Titanium	47-1	5471	5288	5464	5408	1.92	cps
Uranium	238-1	6504760	6588128	6548296	6547061	0.64	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16MSDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725MSDI Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:22:00 DataFile Name : 038AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	391106	392844	393661	392537	0.33	cps
Ytterbium	172-1	59436	61961	60464	60620	2.09	cps
Ytterbium	172-2	23528	23571	23638	23579	0.24	cps
Ytterbium	176-1	48686	48710	48933	48776	0.28	cps
Ytterbium	176-2	18263	18710	18340	18437	1.30	cps
Yttrium	89-1	34374840	34257096	34430133	34354023	0.26	cps
Yttrium	89-2	2454473	2462813	2496455	2471247	0.90	cps
Zinc	66-2	996375	989546	989752	991891	0.39	cps
Zirconium	90-1	4036383	4057031	4147391	4080269	1.45	cps
Zirconium	91-1	873442	874115	883176	876911	0.62	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16MSDDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725MSDI Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:24:55 DataFile Name : 039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1374173	1334880	1336019	1348357	1.66	cps
Antimony	121-1	2413311	2444207	2418002	2425173	0.69	cps
Arsenic	75-2	2457	2310	2480	2416	3.82	cps
Barium	135-1	2738708	2761260	2761314	2753761	0.47	cps
Barium	137-1	4637050	4753075	4694210	4694778	1.24	cps
Beryllium	9-1	515401	521081	522909	519797	0.75	cps
Bismuth	209-1	11926180	11770898	11804378	11833819	0.69	cps
Bismuth	209-2	4569868	4588003	4533107	4563659	0.61	cps
Bromine	81-1	34389	33958	34262	34203	0.65	cps
Cadmium	108-1	44562	44739	44575	44625	0.22	cps
Cadmium	106-1	75217	77768	77265	76750	1.76	cps
Cadmium	111-1	579016	589411	589641	586023	1.04	cps
Calcium	43-1	3533320	3567976	3518472	3539923	0.72	cps
Calcium	44-1	56518662	57764926	56970947	57084845	1.11	cps
Carbon	12-1	4999039	5030491	5180945	5070159	1.92	cps
Carbon	12-2	41415	39891	40181	40496	2.00	cps
Chlorine	35-1	13235341	14703468	15637845	14525551	8.34	cps
Chlorine	35-2	66803	67101	67192	67032	0.30	cps
Chromium	52-2	466239	467530	464496	466088	0.33	cps
Cobalt	59-2	1254471	1265347	1256426	1258748	0.46	cps
Copper	63-2	7249193	7144053	7149544	7180930	0.82	cps
Dysprosium	156-1	314269	312641	313668	313526	0.26	cps
Dysprosium	156-2	81563	82392	80993	81649	0.86	cps
Erbium	164-1	241191	244556	245709	243819	0.96	cps
Erbium	164-2	78563	78668	77698	78310	0.68	cps
Gadolinium	160-1	234970	238354	238967	237430	0.91	cps
Gadolinium	160-2	92176	91793	92578	92182	0.43	cps
Holmium	165-1	20205228	20166788	20095233	20155750	0.28	cps
Holmium	165-2	6747494	6637939	6598520	6661318	1.16	cps
Indium	115-1	16682874	16444538	16379817	16502410	0.97	cps
Indium	115-2	1691113	1658879	1624131	1658041	2.02	cps
Iron	54-2	1449925	1432425	1439837	1440729	0.61	cps
Iron	56-2	25711230	25594175	25688846	25664750	0.24	cps
Iron	57-2	640498	638376	635400	638091	0.40	cps
Krypton	83-1	580	543	630	584	7.44	cps
Lead	206-1	8615287	8843294	8724175	8727586	1.31	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16MSDDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725MSDI Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:24:55 DataFile Name : 039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	7506100	7621137	7716023	7614420	1.38	cps
Lead	208-1	34370322	34900835	35225464	34832207	1.24	cps
Lithium	6-1	5131976	5082657	4873571	5029402	2.73	cps
Magnesium	24-2	4439367	4385178	4410986	4411844	0.61	cps
Manganese	55-2	8614842	8623990	8635665	8624832	0.12	cps
Molybdenum	94-1	3876748	3862772	3959469	3899663	1.34	cps
Molybdenum	95-1	4291380	4320302	4373205	4328296	0.96	cps
Molybdenum	96-1	4834618	4925847	4867895	4876120	0.95	cps
Molybdenum	97-1	2658858	2633521	2673387	2655255	0.76	cps
Molybdenum	98-1	6699982	6785800	6890851	6792211	1.41	cps
Neodymium	150-1	336796	341316	335677	337930	0.88	cps
Neodymium	150-2	81126	82254	80429	81270	1.13	cps
Nickel	60-2	323348	324717	325302	324455	0.31	cps
Phosphorus	31-2	2917	2710	2837	2821	3.69	cps
Potassium	39-2	2125120	2162074	2105250	2130814	1.35	cps
Rhodium	103-1	14966966	14814204	14905201	14895457	0.52	cps
Rhodium	103-2	5886176	5788143	5779689	5818002	1.02	cps
Scandium	45-1	10394710	10305000	10455747	10385153	0.73	cps
Scandium	45-2	196427	194599	192984	194670	0.88	cps
Selenium	82-1	34657	35383	35276	35105	1.12	cps
Selenium	77-2	963	917	957	946	2.67	cps
Selenium	78-2	2367	2077	2320	2255	6.91	cps
Silicon	28-1	104495175	105636112	102802902	104311396	1.37	cps
Silver	107-1	481493	491205	495056	489251	1.43	cps
Silver	109-1	450154	460556	462541	457750	1.45	cps
Sodium	23-2	6531924	6452478	6450088	6478164	0.72	cps
Strontium	86-1	1910512	1921188	1938539	1923413	0.74	cps
Strontium	88-1	16414227	16408670	16600862	16474586	0.66	cps
Sulfur	34-1	5604355	5515027	5483409	5534264	1.13	cps
Terbium	159-1	20617249	20631538	20466550	20571779	0.44	cps
Terbium	159-2	6573643	6498642	6529518	6533934	0.58	cps
Thallium	203-1	2141632	2127951	2127907	2132497	0.37	cps
Thallium	205-1	5002780	4993773	4959145	4985232	0.46	cps
Tin	118-1	1753456	1761338	1775942	1763579	0.65	cps
Titanium	47-1	5458	5518	5458	5478	0.63	cps
Uranium	238-1	6470797	6522083	6579277	6524052	0.83	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16MSDDLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725MSDI Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:24:55 DataFile Name : 039AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	393035	390772	386679	390162	0.83	cps
Ytterbium	172-1	58837	60079	60886	59934	1.72	cps
Ytterbium	172-2	23344	23905	23791	23680	1.25	cps
Ytterbium	176-1	47575	49539	48492	48535	2.02	cps
Ytterbium	176-2	18707	18343	18630	18560	1.03	cps
Yttrium	89-1	34655476	34505397	34711986	34624286	0.31	cps
Yttrium	89-2	2469571	2472584	2505644	2482600	0.81	cps
Zinc	66-2	979745	983397	984012	982385	0.23	cps
Zirconium	90-1	4069189	4088164	4133674	4097009	0.81	cps
Zirconium	91-1	865448	874120	883506	874358	1.03	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16ADLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725ADL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:27:53 DataFile Name : 040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1347244	1340629	1368363	1352079	1.07	cps
Antimony	121-1	2415311	2410876	2409877	2412021	0.12	cps
Arsenic	75-2	2564	2657	2584	2601	1.89	cps
Barium	135-1	2669385	2719777	2764487	2717883	1.75	cps
Barium	137-1	4575644	4729629	4637494	4647589	1.67	cps
Beryllium	9-1	511109	515373	521496	515992	1.01	cps
Bismuth	209-1	11727665	11861175	11973595	11854145	1.04	cps
Bismuth	209-2	4552936	4592793	4577418	4574382	0.44	cps
Bromine	81-1	33303	33898	34061	33754	1.18	cps
Cadmium	108-1	43398	44013	44231	43881	0.98	cps
Cadmium	106-1	75703	76655	75200	75852	0.97	cps
Cadmium	111-1	585359	580690	592830	586293	1.04	cps
Calcium	43-1	3471161	3475142	3602463	3516256	2.12	cps
Calcium	44-1	55761608	56502727	57313541	56525959	1.37	cps
Carbon	12-1	4816993	5000485	5023413	4946964	2.29	cps
Carbon	12-2	40024	40172	40359	40185	0.42	cps
Chlorine	35-1	13644969	14708404	15956094	14769822	7.83	cps
Chlorine	35-2	67935	68464	69332	68577	1.03	cps
Chromium	52-2	466749	464562	467100	466137	0.30	cps
Cobalt	59-2	1258538	1262967	1272078	1264527	0.55	cps
Copper	63-2	7207822	7207109	7116461	7177130	0.73	cps
Dysprosium	156-1	305441	311209	314001	310217	1.41	cps
Dysprosium	156-2	81845	82690	82797	82444	0.63	cps
Erbium	164-1	237318	241704	245730	241584	1.74	cps
Erbium	164-2	78771	77762	77886	78140	0.70	cps
Gadolinium	160-1	233280	236926	238497	236234	1.13	cps
Gadolinium	160-2	93061	92890	91612	92521	0.86	cps
Holmium	165-1	20188552	19987792	20448836	20208393	1.14	cps
Holmium	165-2	6774851	6724959	6739145	6746318	0.38	cps
Indium	115-1	16578524	16374937	16554554	16502672	0.67	cps
Indium	115-2	1653224	1656362	1697658	1669081	1.49	cps
Iron	54-2	1416445	1389444	1430380	1412090	1.47	cps
Iron	56-2	26120179	25867429	25924036	25970548	0.51	cps
Iron	57-2	634687	639243	642536	638822	0.62	cps
Krypton	83-1	603	560	567	577	4.05	cps
Lead	206-1	8710897	8687230	8735428	8711185	0.28	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16ADLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725ADL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:27:53 DataFile Name : 040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	7554010	7528412	7638449	7573624	0.76	cps
Lead	208-1	34085251	34647398	34804458	34512369	1.10	cps
Lithium	6-1	5104797	4943287	4979032	5009039	1.69	cps
Magnesium	24-2	4501458	4495367	4505065	4500630	0.11	cps
Manganese	55-2	8693773	8609328	8624637	8642579	0.52	cps
Molybdenum	94-1	3853504	3778143	3921991	3851212	1.87	cps
Molybdenum	95-1	4243237	4204435	4273680	4240451	0.82	cps
Molybdenum	96-1	4732615	4820965	4841675	4798418	1.21	cps
Molybdenum	97-1	2654340	2667081	2741727	2687716	1.76	cps
Molybdenum	98-1	6876006	6842358	6907328	6875231	0.47	cps
Neodymium	150-1	333719	337109	335439	335423	0.51	cps
Neodymium	150-2	79162	80767	80674	80201	1.12	cps
Nickel	60-2	321824	326474	320350	322883	0.99	cps
Phosphorus	31-2	2714	2837	2717	2756	2.55	cps
Potassium	39-2	2107541	2100639	2136632	2114938	0.90	cps
Rhodium	103-1	15110691	15222126	15125776	15152864	0.40	cps
Rhodium	103-2	5795161	5801672	5841684	5812839	0.43	cps
Scandium	45-1	10191375	10246588	10472407	10303457	1.45	cps
Scandium	45-2	196191	196080	197951	196741	0.53	cps
Selenium	82-1	35951	35703	36091	35915	0.55	cps
Selenium	77-2	920	877	827	874	5.34	cps
Selenium	78-2	2244	2144	2210	2199	2.32	cps
Silicon	28-1	101826685	102448202	101801142	102025343	0.36	cps
Silver	107-1	479504	485889	490806	485400	1.17	cps
Silver	109-1	451543	458524	457314	455794	0.82	cps
Sodium	23-2	6688295	6438114	6584394	6570268	1.91	cps
Strontium	86-1	1925475	1891534	1929919	1915643	1.10	cps
Strontium	88-1	16590516	16390798	16208535	16396616	1.17	cps
Sulfur	34-1	5377222	5382724	5609754	5456567	2.43	cps
Terbium	159-1	20732517	20333803	20956979	20674433	1.53	cps
Terbium	159-2	6515467	6631291	6508040	6551599	1.05	cps
Thallium	203-1	2091271	2118687	2105513	2105157	0.65	cps
Thallium	205-1	4883897	5018887	4945060	4949281	1.37	cps
Tin	118-1	1749574	1779543	1779877	1769664	0.98	cps
Titanium	47-1	5448	5284	5264	5332	1.89	cps
Uranium	238-1	6301666	6491273	6469429	6420790	1.62	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q1984-16ADLX5 Instrumnet Name : P8
Client Sample ID : OU4-TS-28-050725ADL Dilution Factor : 5
Date & Time Acquired : 2025-05-21 16:27:53 DataFile Name : 040AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	390383	392111	391259	391251	0.22	cps
Ytterbium	172-1	58807	60554	61033	60131	1.95	cps
Ytterbium	172-2	23197	23498	23598	23431	0.89	cps
Ytterbium	176-1	47455	48505	48505	48155	1.26	cps
Ytterbium	176-2	18580	18286	18423	18430	0.80	cps
Yttrium	89-1	34686409	34633404	34023102	34447639	1.07	cps
Yttrium	89-2	2482988	2510671	2509789	2501149	0.63	cps
Zinc	66-2	975510	984360	985059	981643	0.54	cps
Zirconium	90-1	3988413	4195795	3967604	4050604	3.11	cps
Zirconium	91-1	864165	875846	869736	869916	0.67	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB168105BL Instrumnet Name : P8
Client Sample ID : PB168105BL Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:45:58 DataFile Name : 041CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	203	157	193	184	13.32	cps
Antimony	121-1	170	190	170	177	6.54	cps
Arsenic	75-2	10	10	0	7	86.60	cps
Barium	135-1	150	163	137	150	8.89	cps
Barium	137-1	213	183	193	197	7.77	cps
Beryllium	9-1	127	133	111	124	8.86	cps
Bismuth	209-1	12006254	12221225	12156044	12127841	0.91	cps
Bismuth	209-2	4723282	4743565	4667637	4711495	0.83	cps
Bromine	81-1	29434	30129	30066	29876	1.29	cps
Cadmium	108-1	23	30	30	28	13.86	cps
Cadmium	106-1	8940	9190	9380	9170	2.41	cps
Cadmium	111-1	6268	6429	6572	6423	2.36	cps
Calcium	43-1	783	860	743	796	7.45	cps
Calcium	44-1	28511	28010	28564	28362	1.08	cps
Carbon	12-1	3687650	3728906	3736157	3717571	0.70	cps
Carbon	12-2	28207	29062	29092	28787	1.75	cps
Chlorine	35-1	242404	242053	238294	240917	0.95	cps
Chlorine	35-2	910	790	917	872	8.17	cps
Chromium	52-2	867	857	853	859	0.81	cps
Cobalt	59-2	67	70	63	67	5.00	cps
Copper	63-2	1440	1377	1350	1389	3.33	cps
Dysprosium	156-1	13	17	20	17	20.01	cps
Dysprosium	156-2	3	10	13	9	57.30	cps
Erbium	164-1	173	140	133	149	14.39	cps
Erbium	164-2	33	37	13	28	45.44	cps
Gadolinium	160-1	77	97	93	89	12.05	cps
Gadolinium	160-2	37	23	27	29	24.03	cps
Holmium	165-1	19668167	19612041	19457471	19579226	0.56	cps
Holmium	165-2	6702238	6830431	6724848	6752506	1.01	cps
Indium	115-1	16545833	16902139	16927041	16791671	1.27	cps
Indium	115-2	1724812	1739974	1706021	1723603	0.99	cps
Iron	54-2	563	460	480	501	10.94	cps
Iron	56-2	5678	5788	6285	5917	5.47	cps
Iron	57-2	123	160	137	140	13.25	cps
Krypton	83-1	223	247	253	241	6.53	cps
Lead	206-1	867	903	963	911	5.36	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB168105BL Instrumnet Name : P8
Client Sample ID : PB168105BL Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:45:58 DataFile Name : 041CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	680	733	837	750	10.62	cps
Lead	208-1	3380	3570	3600	3517	3.39	cps
Lithium	6-1	5035749	5045327	5023552	5034876	0.22	cps
Magnesium	24-2	517	517	503	512	1.50	cps
Manganese	55-2	4041	3927	3844	3937	2.51	cps
Molybdenum	94-1	930	857	710	832	13.46	cps
Molybdenum	95-1	347	307	317	323	6.44	cps
Molybdenum	96-1	537	453	463	484	9.39	cps
Molybdenum	97-1	220	220	180	207	11.17	cps
Molybdenum	98-1	480	463	450	464	3.24	cps
Neodymium	150-1	10	10	17	12	31.50	cps
Neodymium	150-2	3	7	7	6	34.70	cps
Nickel	60-2	300	277	287	288	4.07	cps
Phosphorus	31-2	70	77	40	62	31.39	cps
Potassium	39-2	14284	14494	14567	14448	1.02	cps
Rhodium	103-1	15610652	15294805	15625198	15510218	1.20	cps
Rhodium	103-2	6129482	6076571	6004687	6070247	1.03	cps
Scandium	45-1	10300116	10388872	10351582	10346857	0.43	cps
Scandium	45-2	194272	197502	194049	195274	0.99	cps
Selenium	82-1	33	-30	-27	-8	-458.11	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	13	30	13	19	50.96	cps
Silicon	28-1	485757	514723	492564	497681	3.04	cps
Silver	107-1	327	293	353	324	9.27	cps
Silver	109-1	170	167	173	170	1.96	cps
Sodium	23-2	37689	37448	37552	37563	0.32	cps
Strontium	86-1	403	423	403	410	2.82	cps
Strontium	88-1	617	617	670	634	4.85	cps
Sulfur	34-1	552104	556098	553962	554054	0.36	cps
Terbium	159-1	20116630	20085406	20274999	20159012	0.50	cps
Terbium	159-2	6488751	6477510	6337908	6434723	1.31	cps
Thallium	203-1	320	280	353	318	11.55	cps
Thallium	205-1	753	757	723	744	2.47	cps
Tin	118-1	3230	3551	3110	3297	6.90	cps
Titanium	47-1	260	270	293	274	6.23	cps
Uranium	238-1	140	150	117	136	12.62	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB168105BL Instrumnet Name : P8
Client Sample ID : PB168105BL Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:45:58 DataFile Name : 041CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	7	10	10	9	21.63	cps
Ytterbium	172-1	137	110	140	129	12.76	cps
Ytterbium	172-2	63	43	53	53	18.75	cps
Ytterbium	176-1	2184	2194	2360	2246	4.42	cps
Ytterbium	176-2	690	707	717	704	1.91	cps
Yttrium	89-1	29643443	29937220	29954193	29844952	0.59	cps
Yttrium	89-2	2242465	2199950	2174179	2205531	1.56	cps
Zinc	66-2	503	440	413	452	10.22	cps
Zirconium	90-1	1993	1923	1867	1928	3.29	cps
Zirconium	91-1	437	373	373	394	9.27	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB168105BS Instrumnet Name : P8
Client Sample ID : PB168105BS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:49:19 DataFile Name : 042LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	792181	792231	799775	794729	0.55	cps
Antimony	121-1	12120950	12243227	12165606	12176595	0.51	cps
Arsenic	75-2	234859	233942	236202	235001	0.48	cps
Barium	135-1	14276989	14495411	14546502	14439634	0.99	cps
Barium	137-1	24704737	24956150	25228594	24963160	1.05	cps
Beryllium	9-1	2482734	2516504	2553719	2517652	1.41	cps
Bismuth	209-1	11119437	11353210	11488224	11320291	1.65	cps
Bismuth	209-2	4419490	4417460	4395442	4410798	0.30	cps
Bromine	81-1	29010	29237	29237	29162	0.45	cps
Cadmium	108-1	229292	232345	234968	232202	1.22	cps
Cadmium	106-1	344792	342260	343373	343475	0.37	cps
Cadmium	111-1	3048686	2989223	3024968	3020959	0.99	cps
Calcium	43-1	3688243	3632440	3629255	3649979	0.91	cps
Calcium	44-1	59685856	59673004	58786807	59381889	0.87	cps
Carbon	12-1	3718309	3727840	3769724	3738624	0.73	cps
Carbon	12-2	30929	30141	31156	30742	1.73	cps
Chlorine	35-1	233772	235238	237159	235390	0.72	cps
Chlorine	35-2	923	963	897	928	3.62	cps
Chromium	52-2	2392917	2324134	2411457	2376169	1.94	cps
Cobalt	59-2	4408949	4419934	4406835	4411906	0.16	cps
Copper	63-2	33993693	34223130	34436784	34217869	0.65	cps
Dysprosium	156-1	340	460	330	377	19.21	cps
Dysprosium	156-2	50	37	73	53	34.79	cps
Erbium	164-1	340	320	390	350	10.30	cps
Erbium	164-2	127	97	113	112	13.39	cps
Gadolinium	160-1	280	297	277	284	3.77	cps
Gadolinium	160-2	70	83	87	80	11.02	cps
Holmium	165-1	19140656	19082913	18922743	19048771	0.59	cps
Holmium	165-2	6551953	6576613	6446351	6524973	1.06	cps
Indium	115-1	15472456	15613617	15495871	15527315	0.49	cps
Indium	115-2	1566531	1571442	1592270	1576747	0.87	cps
Iron	54-2	4798667	4971469	4876098	4882078	1.77	cps
Iron	56-2	87188652	88606225	86918739	87571205	1.04	cps
Iron	57-2	2260255	2290782	2279695	2276911	0.68	cps
Krypton	83-1	297	303	280	293	4.10	cps
Lead	206-1	44033196	43425588	43685269	43714684	0.70	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB168105BS Instrumnet Name : P8
Client Sample ID : PB168105BS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:49:19 DataFile Name : 042LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	36813495	37644605	37388368	37282156	1.14	cps
Lead	208-1	170085090	172738885	173441652	172088542	1.03	cps
Lithium	6-1	4846350	4768058	4900093	4838167	1.37	cps
Magnesium	24-2	13703022	13728307	13891411	13774247	0.74	cps
Manganese	55-2	9949032	9887211	9962445	9932896	0.40	cps
Molybdenum	94-1	42228246	41753705	42081986	42021312	0.58	cps
Molybdenum	95-1	61190617	60610084	59633966	60478222	1.30	cps
Molybdenum	96-1	66254649	66413801	64959696	65876048	1.21	cps
Molybdenum	97-1	37686377	36949034	36767747	37134386	1.31	cps
Molybdenum	98-1	99135935	96734669	95905829	97258811	1.72	cps
Neodymium	150-1	1160	1263	1120	1181	6.26	cps
Neodymium	150-2	50	63	73	62	18.81	cps
Nickel	60-2	1159308	1162071	1166858	1162746	0.33	cps
Phosphorus	31-2	38324	38541	38210	38358	0.44	cps
Potassium	39-2	4341145	4419688	4411172	4390668	0.98	cps
Rhodium	103-1	14465754	14369648	13976169	14270524	1.82	cps
Rhodium	103-2	5604783	5546201	5451319	5534101	1.40	cps
Scandium	45-1	10066214	10248791	9933347	10082784	1.57	cps
Scandium	45-2	194051	192103	192019	192724	0.60	cps
Selenium	82-1	176544	179659	177261	177821	0.92	cps
Selenium	77-2	3074	3160	3137	3124	1.44	cps
Selenium	78-2	9924	10247	10154	10108	1.65	cps
Silicon	28-1	70575324	73462584	73111034	72382981	2.18	cps
Silver	107-1	15190064	15107813	15210626	15169501	0.36	cps
Silver	109-1	14170927	14174769	14173003	14172900	0.01	cps
Sodium	23-2	27263848	27375895	27242786	27294176	0.26	cps
Strontium	86-1	3844917	3865245	4004650	3904937	2.23	cps
Strontium	88-1	33597971	33717053	34742275	34019100	1.85	cps
Sulfur	34-1	1395918	1421236	1433544	1416899	1.35	cps
Terbium	159-1	20215090	19707688	19934616	19952465	1.27	cps
Terbium	159-2	6288564	6342379	6314477	6315140	0.43	cps
Thallium	203-1	10886302	10634960	10530565	10683942	1.71	cps
Thallium	205-1	25777365	25322690	25175112	25425056	1.23	cps
Tin	118-1	9669376	9881170	9874302	9808283	1.23	cps
Titanium	47-1	16403026	16337889	16135720	16292211	0.86	cps
Uranium	238-1	32323955	33190385	33783710	33099350	2.22	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : PB168105BS Instrumnet Name : P8
Client Sample ID : PB168105BS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:49:19 DataFile Name : 042LCSS.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1808375	1795461	1824717	1809518	0.81	cps
Ytterbium	172-1	350	357	363	357	1.87	cps
Ytterbium	172-2	133	167	130	143	14.15	cps
Ytterbium	176-1	52721	52962	54883	53522	2.21	cps
Ytterbium	176-2	17705	17649	17982	17779	1.00	cps
Yttrium	89-1	29350390	29151465	29791188	29431014	1.11	cps
Yttrium	89-2	2128324	2123077	2073142	2108181	1.44	cps
Zinc	66-2	3753528	3812553	3728552	3764878	1.15	cps
Zirconium	90-1	21223298	20890499	21435826	21183208	1.30	cps
Zirconium	91-1	4711437	4747209	4750990	4736545	0.46	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-01 Instrumnet Name : P8
Client Sample ID : SC-4-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:54:18 DataFile Name : 043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1793393	1761488	1779027	1777969	0.90	cps
Antimony	121-1	2710	2510	2484	2568	4.83	cps
Arsenic	75-2	17594	16907	17531	17344	2.19	cps
Barium	135-1	239365	243547	244776	242563	1.17	cps
Barium	137-1	419711	425506	424427	423215	0.73	cps
Beryllium	9-1	13869	14028	13746	13881	1.02	cps
Bismuth	209-1	12534916	12470029	12203635	12402860	1.42	cps
Bismuth	209-2	4776700	4848331	4750957	4791996	1.05	cps
Bromine	81-1	111664	125348	132371	123128	8.55	cps
Cadmium	108-1	1633	1730	1853	1739	6.34	cps
Cadmium	106-1	15118	15299	15005	15141	0.98	cps
Cadmium	111-1	10843	10968	10676	10829	1.35	cps
Calcium	43-1	223863	223911	221219	222997	0.69	cps
Calcium	44-1	3592515	3563813	3561260	3572529	0.49	cps
Carbon	12-1	10229087	10665465	11025419	10639990	3.75	cps
Carbon	12-2	88317	88172	89480	88656	0.81	cps
Chlorine	35-1	704833	780144	812293	765757	7.20	cps
Chlorine	35-2	3557	3330	3394	3427	3.41	cps
Chromium	52-2	249351	245537	250406	248431	1.03	cps
Cobalt	59-2	118848	119829	120048	119575	0.53	cps
Copper	63-2	188238	187731	186800	187590	0.39	cps
Dysprosium	156-1	226455	220705	220113	222424	1.58	cps
Dysprosium	156-2	71717	71513	71563	71598	0.15	cps
Erbium	164-1	196791	195955	196066	196271	0.23	cps
Erbium	164-2	63490	63568	63005	63354	0.48	cps
Gadolinium	160-1	208447	211778	208317	209514	0.94	cps
Gadolinium	160-2	82097	82812	82587	82499	0.44	cps
Holmium	165-1	20791731	20625683	20618832	20678749	0.47	cps
Holmium	165-2	7061105	6981049	6919538	6987231	1.02	cps
Indium	115-1	17473958	17673700	17228989	17458882	1.28	cps
Indium	115-2	1756387	1795074	1724685	1758715	2.00	cps
Iron	54-2	12079582	11874372	12034353	11996103	0.90	cps
Iron	56-2	221416070	219741303	221958463	221038612	0.52	cps
Iron	57-2	5692719	5560809	5634979	5629502	1.17	cps
Krypton	83-1	480	483	430	464	6.43	cps
Lead	206-1	629103	633001	634304	632136	0.43	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-01 Instrumnet Name : P8
Client Sample ID : SC-4-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:54:18 DataFile Name : 043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	525515	527989	524837	526114	0.32	cps
Lead	208-1	2453446	2470732	2459491	2461223	0.36	cps
Lithium	6-1	5207442	5192751	5293768	5231320	1.04	cps
Magnesium	24-2	2161391	2168464	2181438	2170431	0.47	cps
Manganese	55-2	664357	664151	668482	665664	0.37	cps
Molybdenum	94-1	555730	553788	553953	554490	0.19	cps
Molybdenum	95-1	197080	198527	197151	197586	0.41	cps
Molybdenum	96-1	286897	303950	284898	291915	3.59	cps
Molybdenum	97-1	123439	123029	121035	122501	1.05	cps
Molybdenum	98-1	316721	315508	315694	315974	0.21	cps
Neodymium	150-1	285671	281367	284635	283891	0.79	cps
Neodymium	150-2	67572	69225	68430	68409	1.21	cps
Nickel	60-2	74638	74607	74309	74518	0.24	cps
Phosphorus	31-2	1430	1530	1303	1421	7.99	cps
Potassium	39-2	701072	697592	701496	700053	0.31	cps
Rhodium	103-1	16104147	15843340	15913986	15953824	0.85	cps
Rhodium	103-2	6069430	6123654	5976350	6056478	1.23	cps
Scandium	45-1	11353239	11341534	11104432	11266402	1.25	cps
Scandium	45-2	208853	214591	210177	211207	1.42	cps
Selenium	82-1	693	937	840	823	14.88	cps
Selenium	77-2	390	430	407	409	4.91	cps
Selenium	78-2	237	230	217	228	4.47	cps
Silicon	28-1	40634607	37413284	37815243	38621045	4.55	cps
Silver	107-1	4668	4561	4481	4570	2.05	cps
Silver	109-1	3427	3384	3254	3355	2.69	cps
Sodium	23-2	10992506	10938407	11032640	10987851	0.43	cps
Strontium	86-1	400840	408192	396444	401825	1.48	cps
Strontium	88-1	3546290	3515134	3536928	3532784	0.45	cps
Sulfur	34-1	5564961	5497578	5332997	5465179	2.18	cps
Terbium	159-1	21931908	21749404	21112954	21598089	1.99	cps
Terbium	159-2	6799761	6826112	6598954	6741609	1.84	cps
Thallium	203-1	8003	8296	8063	8120	1.91	cps
Thallium	205-1	18974	18837	18847	18886	0.40	cps
Tin	118-1	87422	97906	80531	88620	9.87	cps
Titanium	47-1	1294299	832814	762919	963344	29.97	cps
Uranium	238-1	326080	332448	328867	329132	0.97	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-01 Instrumnet Name : P8
Client Sample ID : SC-4-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:54:18 DataFile Name : 043AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	331866	330906	332709	331827	0.27	cps
Ytterbium	172-1	55128	55897	55770	55598	0.74	cps
Ytterbium	172-2	21628	22072	21511	21737	1.36	cps
Ytterbium	176-1	40010	39853	39937	39934	0.20	cps
Ytterbium	176-2	15169	15392	15669	15410	1.63	cps
Yttrium	89-1	33694571	33418200	33542946	33551906	0.41	cps
Yttrium	89-2	2419233	2434730	2386123	2413362	1.03	cps
Zinc	66-2	87700	87662	89578	88313	1.24	cps
Zirconium	90-1	1201473	1226982	1213495	1213983	1.05	cps
Zirconium	91-1	270664	273610	270145	271473	0.69	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV03 Instrumnet Name : P8
Client Sample ID : CCV03 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:57:32 DataFile Name : 044CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3752241	3813266	3809594	3791700	0.90	cps
Antimony	121-1	11529412	11914246	11856208	11766622	1.76	cps
Arsenic	75-2	229388	229191	230001	229526	0.18	cps
Barium	135-1	13829086	14301872	14209638	14113532	1.78	cps
Barium	137-1	23901421	24244897	24763176	24303165	1.79	cps
Beryllium	9-1	2363526	2381238	2399648	2381471	0.76	cps
Bismuth	209-1	10563979	10794606	10637936	10665507	1.10	cps
Bismuth	209-2	4336604	4388878	4197323	4307602	2.30	cps
Bromine	81-1	39970	39398	39880	39750	0.77	cps
Cadmium	108-1	218660	222543	225784	222329	1.60	cps
Cadmium	106-1	321853	328734	334266	328284	1.89	cps
Cadmium	111-1	2782866	2877915	2864342	2841708	1.81	cps
Calcium	43-1	16271443	16674765	16470785	16472331	1.22	cps
Calcium	44-1	266972416	267707503	271499583	268726500	0.90	cps
Carbon	12-1	4064535	4088917	4101959	4085137	0.47	cps
Carbon	12-2	36736	36689	35774	36400	1.49	cps
Chlorine	35-1	266226	262062	259418	262569	1.31	cps
Chlorine	35-2	1043	937	883	954	8.54	cps
Chromium	52-2	2349450	2320668	2312230	2327449	0.84	cps
Cobalt	59-2	4147431	4145746	4186001	4159726	0.55	cps
Copper	63-2	32361116	32259592	32400855	32340521	0.23	cps
Dysprosium	156-1	607	800	673	693	14.16	cps
Dysprosium	156-2	143	147	200	163	19.47	cps
Erbium	164-1	707	667	713	696	3.63	cps
Erbium	164-2	210	237	267	238	11.92	cps
Gadolinium	160-1	587	547	520	551	6.09	cps
Gadolinium	160-2	237	217	233	229	4.68	cps
Holmium	165-1	18665177	18886598	18928712	18826829	0.75	cps
Holmium	165-2	6715686	6916287	6550531	6727501	2.72	cps
Indium	115-1	15213325	15124129	15047237	15128230	0.55	cps
Indium	115-2	1600595	1697842	1481257	1593231	6.81	cps
Iron	54-2	23854765	23606164	23671392	23710774	0.54	cps
Iron	56-2	433794087	437465060	434798114	435352420	0.44	cps
Iron	57-2	10803389	11015375	11061738	10960167	1.26	cps
Krypton	83-1	317	260	333	303	12.67	cps
Lead	206-1	40631896	42095178	42087720	41604931	2.03	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV03 Instrumnet Name : P8
Client Sample ID : CCV03 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:57:32 DataFile Name : 044CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	35097025	35519764	35378155	35331648	0.61	cps
Lead	208-1	161762590	164207913	164551831	163507445	0.93	cps
Lithium	6-1	4522172	4587841	4556801	4555605	0.72	cps
Magnesium	24-2	62235507	63706624	64020829	63320987	1.51	cps
Manganese	55-2	9629217	9699379	9689979	9672859	0.39	cps
Molybdenum	94-1	40023859	40677491	40975572	40558974	1.20	cps
Molybdenum	95-1	57281371	59617976	59109691	58669679	2.09	cps
Molybdenum	96-1	63611249	64992862	64051456	64218522	1.10	cps
Molybdenum	97-1	36282433	36711127	36794452	36596004	0.75	cps
Molybdenum	98-1	93606695	95372305	96655665	95211555	1.61	cps
Neodymium	150-1	1207	1303	1293	1268	4.19	cps
Neodymium	150-2	73	110	120	101	24.30	cps
Nickel	60-2	1084696	1076209	1080453	1080453	0.39	cps
Phosphorus	31-2	36757	37355	37241	37117	0.86	cps
Potassium	39-2	22202861	21761618	22348288	22104256	1.38	cps
Rhodium	103-1	13663276	13465276	13481318	13536624	0.81	cps
Rhodium	103-2	5362965	5648995	5267889	5426616	3.66	cps
Scandium	45-1	9819456	9937614	9680961	9812677	1.31	cps
Scandium	45-2	196915	202679	189954	196516	3.24	cps
Selenium	82-1	166486	169811	169866	168721	1.15	cps
Selenium	77-2	2957	2927	3164	3016	4.27	cps
Selenium	78-2	10130	9837	9623	9864	2.58	cps
Silicon	28-1	68258692	68203969	69012591	68491751	0.66	cps
Silver	107-1	13754330	14360153	14036889	14050457	2.16	cps
Silver	109-1	12947764	13157658	13217656	13107693	1.08	cps
Sodium	23-2	123428155	123570805	125477648	124158869	0.92	cps
Strontium	86-1	3716589	3782223	3832029	3776947	1.53	cps
Strontium	88-1	32635962	33263052	33357985	33085666	1.19	cps
Sulfur	34-1	1364704	1334979	1384024	1361235	1.81	cps
Terbium	159-1	19905387	19735595	19779547	19806843	0.44	cps
Terbium	159-2	6533807	6712552	6215388	6487249	3.88	cps
Thallium	203-1	10018735	10381762	10070708	10157069	1.93	cps
Thallium	205-1	23588706	24669856	24300038	24186200	2.27	cps
Tin	118-1	9423383	9541970	9448105	9471153	0.66	cps
Titanium	47-1	15283491	15685860	15733841	15567731	1.59	cps
Uranium	238-1	32297152	32479523	32958973	32578549	1.05	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV03 Instrumnet Name : P8
Client Sample ID : CCV03 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 16:57:32 DataFile Name : 044CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1787706	1783731	1793925	1788454	0.29	cps
Ytterbium	172-1	1053	970	1023	1016	4.16	cps
Ytterbium	172-2	420	440	377	412	7.85	cps
Ytterbium	176-1	51758	54167	54144	53356	2.59	cps
Ytterbium	176-2	17141	17358	17598	17366	1.32	cps
Yttrium	89-1	28832015	28528534	28544140	28634896	0.60	cps
Yttrium	89-2	2204694	2270231	2085040	2186655	4.29	cps
Zinc	66-2	3685310	3683447	3671804	3680187	0.20	cps
Zirconium	90-1	20302862	20644827	20909652	20619114	1.48	cps
Zirconium	91-1	4495624	4635498	4645968	4592363	1.83	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB03 Instrumnet Name : P8
Client Sample ID : CCB03 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:28:54 DataFile Name : 050CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	143	153	150	149	3.42	cps
Antimony	121-1	153	147	150	150	2.22	cps
Arsenic	75-2	3	7	0	3	100.05	cps
Barium	135-1	317	210	260	262	20.35	cps
Barium	137-1	467	357	340	388	17.75	cps
Beryllium	9-1	121	104	131	119	11.74	cps
Bismuth	209-1	12450151	12290882	12268309	12336447	0.80	cps
Bismuth	209-2	4794618	4832010	4912019	4846215	1.24	cps
Bromine	81-1	31158	30710	30336	30735	1.34	cps
Cadmium	108-1	27	7	10	14	74.18	cps
Cadmium	106-1	9076	9010	8920	9002	0.87	cps
Cadmium	111-1	6382	6322	6257	6320	0.99	cps
Calcium	43-1	4347	4261	4161	4256	2.20	cps
Calcium	44-1	81491	82671	82329	82164	0.74	cps
Carbon	12-1	3103304	2974531	3006099	3027978	2.22	cps
Carbon	12-2	22988	23175	23936	23366	2.15	cps
Chlorine	35-1	120634	120423	119653	120237	0.43	cps
Chlorine	35-2	457	453	497	469	5.14	cps
Chromium	52-2	1143	1217	1220	1193	3.63	cps
Cobalt	59-2	67	77	87	77	13.04	cps
Copper	63-2	2057	1957	1893	1969	4.18	cps
Dysprosium	156-1	10	10	17	12	31.50	cps
Dysprosium	156-2	3	7	3	4	43.40	cps
Erbium	164-1	113	150	147	137	14.84	cps
Erbium	164-2	47	67	50	54	19.68	cps
Gadolinium	160-1	97	97	110	101	7.61	cps
Gadolinium	160-2	23	40	27	30	29.40	cps
Holmium	165-1	20379541	20023680	19990363	20131195	1.07	cps
Holmium	165-2	6766076	6846520	6895655	6836084	0.96	cps
Indium	115-1	17045963	17152148	16885092	17027734	0.79	cps
Indium	115-2	1758827	1812178	1789741	1786915	1.50	cps
Iron	54-2	587	623	563	591	5.12	cps
Iron	56-2	8186	7729	8289	8068	3.70	cps
Iron	57-2	180	200	210	197	7.77	cps
Krypton	83-1	240	323	253	272	16.44	cps
Lead	206-1	823	830	870	841	3.00	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB03 Instrumnet Name : P8
Client Sample ID : CCB03 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:28:54 DataFile Name : 050CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	757	673	647	692	8.29	cps
Lead	208-1	3357	3330	3264	3317	1.45	cps
Lithium	6-1	5090931	5029958	5126895	5082595	0.96	cps
Magnesium	24-2	433	373	527	444	17.39	cps
Manganese	55-2	1643	1533	1703	1627	5.30	cps
Molybdenum	94-1	590	537	507	544	7.75	cps
Molybdenum	95-1	250	210	250	237	9.76	cps
Molybdenum	96-1	297	193	320	270	24.97	cps
Molybdenum	97-1	107	97	130	111	15.39	cps
Molybdenum	98-1	343	327	377	349	7.30	cps
Neodymium	150-1	10	20	7	12	56.76	cps
Neodymium	150-2	0	3	0	1	173.21	cps
Nickel	60-2	430	420	373	408	7.42	cps
Phosphorus	31-2	67	60	70	66	7.77	cps
Potassium	39-2	15075	15268	15398	15247	1.07	cps
Rhodium	103-1	15950256	15620419	15737224	15769299	1.06	cps
Rhodium	103-2	6157767	6241938	6229826	6209844	0.73	cps
Scandium	45-1	10637693	10305365	10422260	10455106	1.61	cps
Scandium	45-2	198128	199589	198494	198737	0.38	cps
Selenium	82-1	43	-80	47	3	2163.56	cps
Selenium	77-2	0	0	0	0	0.00	cps
Selenium	78-2	13	20	7	13	49.99	cps
Silicon	28-1	409368	411116	415545	412010	0.77	cps
Silver	107-1	270	200	247	239	14.92	cps
Silver	109-1	133	97	140	123	18.92	cps
Sodium	23-2	33064	33422	33258	33248	0.54	cps
Strontium	86-1	720	700	690	703	2.17	cps
Strontium	88-1	2250	2290	2510	2350	5.96	cps
Sulfur	34-1	468975	471452	472075	470834	0.35	cps
Terbium	159-1	21100716	20922909	20794422	20939349	0.73	cps
Terbium	159-2	6667532	6766786	6589593	6674637	1.33	cps
Thallium	203-1	253	297	277	276	7.87	cps
Thallium	205-1	690	603	627	640	7.01	cps
Tin	118-1	6665	6402	6215	6427	3.52	cps
Titanium	47-1	140	290	227	219	34.40	cps
Uranium	238-1	70	53	93	72	27.82	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB03 Instrumnet Name : P8
Client Sample ID : CCB03 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:28:54 DataFile Name : 050CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	20	20	20	20	0.00	cps
Ytterbium	172-1	150	160	123	144	13.12	cps
Ytterbium	172-2	47	33	53	44	22.92	cps
Ytterbium	176-1	2124	2404	2244	2257	6.23	cps
Ytterbium	176-2	650	590	663	634	6.16	cps
Yttrium	89-1	31033397	30431504	30170902	30545268	1.45	cps
Yttrium	89-2	2226684	2279786	2199612	2235361	1.82	cps
Zinc	66-2	2214	2050	2244	2169	4.80	cps
Zirconium	90-1	1380	1593	1420	1465	7.74	cps
Zirconium	91-1	197	233	293	241	20.24	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-02 Instrumnet Name : P8
Client Sample ID : SC-3-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:32:46 DataFile Name : 051AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4835053	4709599	4826283	4790311	1.46	cps
Antimony	121-1	1490	1643	1560	1565	4.91	cps
Arsenic	75-2	24698	24051	24702	24484	1.53	cps
Barium	135-1	1341159	1355972	1363551	1353561	0.84	cps
Barium	137-1	2462935	2432716	2459845	2451832	0.68	cps
Beryllium	9-1	11533	11297	11421	11417	1.04	cps
Bismuth	209-1	12085957	12158370	11961771	12068699	0.82	cps
Bismuth	209-2	4760320	4728309	4791168	4759932	0.66	cps
Bromine	81-1	82555	92640	98083	91093	8.65	cps
Cadmium	108-1	3240	3347	3220	3269	2.08	cps
Cadmium	106-1	18886	19083	18883	18951	0.61	cps
Cadmium	111-1	11706	11825	11757	11763	0.51	cps
Calcium	43-1	190042	189415	187628	189028	0.66	cps
Calcium	44-1	3129041	3049508	3109211	3095920	1.34	cps
Carbon	12-1	6768868	7197235	7534789	7166964	5.36	cps
Carbon	12-2	62274	63326	63292	62964	0.95	cps
Chlorine	35-1	518066	563912	589570	557183	6.50	cps
Chlorine	35-2	2427	2407	2460	2431	1.11	cps
Chromium	52-2	595261	588692	590527	591493	0.57	cps
Cobalt	59-2	187119	183300	182744	184388	1.29	cps
Copper	63-2	539059	535302	526967	533776	1.16	cps
Dysprosium	156-1	323404	324571	325830	324602	0.37	cps
Dysprosium	156-2	102022	98741	100042	100268	1.65	cps
Erbium	164-1	235236	237579	236931	236582	0.51	cps
Erbium	164-2	78279	76555	76129	76988	1.48	cps
Gadolinium	160-1	288054	290575	287525	288718	0.56	cps
Gadolinium	160-2	114538	112408	113044	113330	0.96	cps
Holmium	165-1	20792098	20378861	20427881	20532947	1.10	cps
Holmium	165-2	6989546	6969633	6992391	6983857	0.18	cps
Indium	115-1	17098116	16708379	16827046	16877847	1.18	cps
Indium	115-2	1734550	1746432	1728795	1736592	0.52	cps
Iron	54-2	17832889	17805298	17754301	17797496	0.22	cps
Iron	56-2	329409742	330957448	331191748	330519646	0.29	cps
Iron	57-2	8397754	8312706	8273343	8327935	0.76	cps
Krypton	83-1	537	543	527	536	1.57	cps
Lead	206-1	940790	938787	944620	941399	0.31	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-02 Instrumnet Name : P8
Client Sample ID : SC-3-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:32:46 DataFile Name : 051AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	775083	788932	787362	783792	0.97	cps
Lead	208-1	3775998	3822653	3794264	3797638	0.62	cps
Lithium	6-1	5370673	5157653	5373344	5300557	2.33	cps
Magnesium	24-2	4131997	4114550	4109886	4118811	0.28	cps
Manganese	55-2	968498	974296	971891	971561	0.30	cps
Molybdenum	94-1	923416	908976	908853	913748	0.92	cps
Molybdenum	95-1	28068	28139	29040	28416	1.91	cps
Molybdenum	96-1	182936	184705	182198	183280	0.70	cps
Molybdenum	97-1	17942	18449	17938	18110	1.62	cps
Molybdenum	98-1	46073	46290	45882	46082	0.44	cps
Neodymium	150-1	483974	485429	478738	482713	0.73	cps
Neodymium	150-2	117890	115546	114369	115935	1.55	cps
Nickel	60-2	152527	150439	149561	150842	1.01	cps
Phosphorus	31-2	3567	3397	3557	3507	2.72	cps
Potassium	39-2	1501516	1482616	1437332	1473821	2.24	cps
Rhodium	103-1	15921476	15448557	15302364	15557466	2.08	cps
Rhodium	103-2	5929968	5946211	5906829	5927669	0.33	cps
Scandium	45-1	11702423	11417897	11641779	11587366	1.29	cps
Scandium	45-2	215380	215946	219078	216801	0.92	cps
Selenium	82-1	797	843	877	839	4.79	cps
Selenium	77-2	680	540	500	573	16.49	cps
Selenium	78-2	297	243	253	264	10.72	cps
Silicon	28-1	61039817	66077704	54812948	60643490	9.30	cps
Silver	107-1	5601	5821	5738	5720	1.94	cps
Silver	109-1	3094	3170	3364	3209	4.34	cps
Sodium	23-2	9373834	9114263	9334859	9274319	1.51	cps
Strontium	86-1	406412	404109	415742	408754	1.51	cps
Strontium	88-1	3544671	3539932	3578998	3554534	0.60	cps
Sulfur	34-1	819443	810796	804033	811424	0.95	cps
Terbium	159-1	21558633	21321025	21597526	21492395	0.70	cps
Terbium	159-2	6818247	6743300	6778757	6780102	0.55	cps
Thallium	203-1	11345	10958	11255	11186	1.81	cps
Thallium	205-1	26611	26908	26707	26742	0.57	cps
Tin	118-1	73884	73663	79947	75831	4.70	cps
Titanium	47-1	1531386	1497065	1466323	1498258	2.17	cps
Uranium	238-1	349141	355345	352729	352405	0.88	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-02 Instrumnet Name : P8
Client Sample ID : SC-3-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:32:46 DataFile Name : 051AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	637767	643195	647531	642831	0.76	cps
Ytterbium	172-1	76320	76030	75678	76009	0.42	cps
Ytterbium	172-2	29530	30008	29292	29610	1.23	cps
Ytterbium	176-1	56396	56648	55918	56321	0.66	cps
Ytterbium	176-2	22282	21761	21671	21905	1.51	cps
Yttrium	89-1	33727222	34021096	33810640	33852986	0.45	cps
Yttrium	89-2	2410377	2455672	2438160	2434736	0.94	cps
Zinc	66-2	168835	168152	167603	168196	0.37	cps
Zirconium	90-1	2499589	2581345	2579319	2553418	1.83	cps
Zirconium	91-1	540862	541202	539741	540602	0.14	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-03 Instrumnet Name : P8
Client Sample ID : SC-2-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:35:53 DataFile Name : 052AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	491641	488087	490932	490220	0.38	cps
Antimony	121-1	1300	1467	1517	1428	7.95	cps
Arsenic	75-2	3587	3370	3631	3529	3.95	cps
Barium	135-1	426306	430846	425952	427701	0.64	cps
Barium	137-1	739675	743387	741159	741407	0.25	cps
Beryllium	9-1	2599	2690	2669	2653	1.80	cps
Bismuth	209-1	12370917	12227050	12424841	12340936	0.83	cps
Bismuth	209-2	4852313	4851860	4878982	4861052	0.32	cps
Bromine	81-1	98493	108650	111798	106314	6.54	cps
Cadmium	108-1	560	600	637	599	6.40	cps
Cadmium	106-1	10481	10751	10491	10574	1.45	cps
Cadmium	111-1	7785	7859	7835	7826	0.49	cps
Calcium	43-1	123757	127048	125958	125588	1.34	cps
Calcium	44-1	2030815	2080052	2063268	2058045	1.22	cps
Carbon	12-1	7311528	7576218	8079903	7655883	5.10	cps
Carbon	12-2	63510	63238	63717	63488	0.38	cps
Chlorine	35-1	406161	432092	441709	426654	4.31	cps
Chlorine	35-2	1800	1827	1817	1815	0.74	cps
Chromium	52-2	90531	90058	90666	90418	0.35	cps
Cobalt	59-2	45078	44797	44707	44860	0.43	cps
Copper	63-2	82548	83202	83088	82946	0.42	cps
Dysprosium	156-1	53982	53751	53593	53775	0.36	cps
Dysprosium	156-2	15983	16036	15920	15980	0.37	cps
Erbium	164-1	38482	38726	38091	38433	0.83	cps
Erbium	164-2	12332	12579	12976	12629	2.57	cps
Gadolinium	160-1	46196	45832	46310	46113	0.54	cps
Gadolinium	160-2	18413	18029	17759	18067	1.82	cps
Holmium	165-1	20527259	20375298	19836125	20246227	1.79	cps
Holmium	165-2	6978740	6967620	6987422	6977927	0.14	cps
Indium	115-1	17205817	17089647	16998886	17098117	0.61	cps
Indium	115-2	1756850	1778504	1781168	1772174	0.75	cps
Iron	54-2	1982443	1977398	1987250	1982363	0.25	cps
Iron	56-2	37129764	36560827	35405448	36365346	2.42	cps
Iron	57-2	904048	897063	895231	898781	0.52	cps
Krypton	83-1	273	280	293	282	3.61	cps
Lead	206-1	379888	381447	380724	380686	0.20	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-03 Instrumnet Name : P8
Client Sample ID : SC-2-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:35:53 DataFile Name : 052AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	309957	312588	316309	312951	1.02	cps
Lead	208-1	1457727	1471610	1473881	1467739	0.60	cps
Lithium	6-1	5146907	5155295	5070283	5124162	0.91	cps
Magnesium	24-2	839193	833051	843108	838451	0.60	cps
Manganese	55-2	241752	239423	237093	239422	0.97	cps
Molybdenum	94-1	149683	154777	153275	152578	1.72	cps
Molybdenum	95-1	37026	38102	38373	37834	1.88	cps
Molybdenum	96-1	60893	61288	62389	61523	1.26	cps
Molybdenum	97-1	23814	23740	23577	23710	0.51	cps
Molybdenum	98-1	60889	61378	60568	60945	0.67	cps
Neodymium	150-1	75329	75607	75002	75313	0.40	cps
Neodymium	150-2	17899	18770	18069	18246	2.53	cps
Nickel	60-2	24090	24541	24765	24466	1.40	cps
Phosphorus	31-2	690	637	663	663	4.02	cps
Potassium	39-2	316493	314489	311475	314152	0.80	cps
Rhodium	103-1	15790507	15628083	15441414	15620001	1.12	cps
Rhodium	103-2	6132896	6198618	6214126	6181880	0.70	cps
Scandium	45-1	10788707	10929166	10779164	10832346	0.78	cps
Scandium	45-2	200453	201360	200654	200822	0.24	cps
Selenium	82-1	310	307	267	294	8.19	cps
Selenium	77-2	117	100	90	102	13.18	cps
Selenium	78-2	83	77	53	71	22.15	cps
Silicon	28-1	18883948	17811541	62675825	33123772	77.28	cps
Silver	107-1	2207	2200	2130	2179	1.95	cps
Silver	109-1	1730	1653	1780	1721	3.71	cps
Sodium	23-2	8273701	8356467	8388694	8339621	0.71	cps
Strontium	86-1	198675	194888	194575	196046	1.16	cps
Strontium	88-1	1757009	1770345	1771791	1766382	0.46	cps
Sulfur	34-1	1078862	1093595	1078330	1083596	0.80	cps
Terbium	159-1	21282692	20989038	21050488	21107406	0.73	cps
Terbium	159-2	6885256	6810619	6787443	6827773	0.75	cps
Thallium	203-1	4034	4207	4154	4132	2.15	cps
Thallium	205-1	9921	10014	9697	9877	1.65	cps
Tin	118-1	86814	86072	95405	89430	5.80	cps
Titanium	47-1	489289	483244	501055	491196	1.84	cps
Uranium	238-1	88895	88683	88525	88701	0.21	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-03 Instrumnet Name : P8
Client Sample ID : SC-2-SED-051525 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:35:53 DataFile Name : 052AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	59684	60544	59925	60051	0.74	cps
Ytterbium	172-1	10781	10901	11075	10919	1.35	cps
Ytterbium	172-2	4457	4434	4521	4471	1.00	cps
Ytterbium	176-1	10151	10104	10341	10199	1.23	cps
Ytterbium	176-2	3978	3594	3621	3731	5.75	cps
Yttrium	89-1	31037825	31468089	31501598	31335837	0.83	cps
Yttrium	89-2	2264488	2323749	2287976	2292071	1.30	cps
Zinc	66-2	51647	52731	50737	51705	1.93	cps
Zirconium	90-1	356896	360779	355686	357787	0.74	cps
Zirconium	91-1	76637	94013	88451	86367	10.27	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:39:09 DataFile Name : 053AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2666591	2705503	2626427	2666174	1.48	cps
Antimony	121-1	532969	534487	538443	535300	0.53	cps
Arsenic	75-2	12889	13346	12686	12974	2.61	cps
Barium	135-1	424389	432317	427477	428061	0.93	cps
Barium	137-1	747783	744385	731351	741173	1.17	cps
Beryllium	9-1	12253	12196	12151	12200	0.42	cps
Bismuth	209-1	12499873	12192377	12189602	12293951	1.45	cps
Bismuth	209-2	4868496	4775399	4769249	4804381	1.16	cps
Bromine	81-1	210132	233694	247595	230474	8.22	cps
Cadmium	108-1	1903	1850	1897	1883	1.54	cps
Cadmium	106-1	14157	14828	14972	14652	2.97	cps
Cadmium	111-1	13085	13742	13600	13476	2.56	cps
Calcium	43-1	339981	336703	343116	339934	0.94	cps
Calcium	44-1	5447438	5535038	5503938	5495471	0.81	cps
Carbon	12-1	14595231	15343131	15421355	15119906	3.02	cps
Carbon	12-2	122170	121914	121450	121845	0.30	cps
Chlorine	35-1	810733	888367	930864	876655	6.95	cps
Chlorine	35-2	3827	4251	4264	4114	6.04	cps
Chromium	52-2	255687	259979	256860	257509	0.86	cps
Cobalt	59-2	172323	171594	173395	172438	0.53	cps
Copper	63-2	257293	256911	256419	256874	0.17	cps
Dysprosium	156-1	222551	221275	222600	222142	0.34	cps
Dysprosium	156-2	69335	68310	69148	68931	0.79	cps
Erbium	164-1	174951	181099	178268	178106	1.73	cps
Erbium	164-2	58176	58180	57688	58015	0.49	cps
Gadolinium	160-1	202348	201102	199521	200990	0.70	cps
Gadolinium	160-2	78935	78056	79394	78795	0.86	cps
Holmium	165-1	20812429	20276507	20672425	20587120	1.35	cps
Holmium	165-2	6998597	6772394	6972884	6914625	1.79	cps
Indium	115-1	17314462	16672174	17003339	16996658	1.89	cps
Indium	115-2	1770841	1704561	1774289	1749897	2.25	cps
Iron	54-2	11653267	11842709	11737101	11744359	0.81	cps
Iron	56-2	218777383	219458957	219324930	219187090	0.16	cps
Iron	57-2	5479590	5579235	5483034	5513953	1.03	cps
Krypton	83-1	490	407	473	457	9.66	cps
Lead	206-1	791430	804795	793579	796601	0.90	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:39:09 DataFile Name : 053AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	660869	666915	654113	660632	0.97	cps
Lead	208-1	3196824	3104946	3070172	3123980	2.09	cps
Lithium	6-1	5297326	5014631	5190800	5167586	2.76	cps
Magnesium	24-2	2845040	2854203	2760952	2820065	1.82	cps
Manganese	55-2	1026933	1036597	1032098	1031876	0.47	cps
Molybdenum	94-1	507174	507466	505871	506837	0.17	cps
Molybdenum	95-1	130401	131034	129163	130199	0.73	cps
Molybdenum	96-1	212423	216862	207862	212382	2.12	cps
Molybdenum	97-1	80327	80947	80250	80508	0.47	cps
Molybdenum	98-1	206826	208963	205090	206960	0.94	cps
Neodymium	150-1	283776	282845	283014	283212	0.18	cps
Neodymium	150-2	67924	68701	67897	68174	0.67	cps
Nickel	60-2	107859	109820	109155	108944	0.92	cps
Phosphorus	31-2	3424	3257	3180	3287	3.79	cps
Potassium	39-2	1123708	1132899	1127017	1127875	0.41	cps
Rhodium	103-1	15838352	15245622	15571566	15551847	1.91	cps
Rhodium	103-2	6071075	5863632	6008398	5981035	1.78	cps
Scandium	45-1	11232527	10874150	11102187	11069621	1.64	cps
Scandium	45-2	207115	201183	210868	206389	2.37	cps
Selenium	82-1	910	983	1033	976	6.36	cps
Selenium	77-2	373	413	417	401	6.01	cps
Selenium	78-2	273	280	293	282	3.61	cps
Silicon	28-1	36674689	30754747	35177280	34202239	9.00	cps
Silver	107-1	5715	5795	5695	5735	0.92	cps
Silver	109-1	4334	4471	4461	4422	1.72	cps
Sodium	23-2	12544538	12695549	12306331	12515472	1.57	cps
Strontium	86-1	538800	542795	533808	538468	0.84	cps
Strontium	88-1	9917430	4885990	5177406	6660275	42.41	cps
Sulfur	34-1	4672592	4763690	4733665	4723316	0.98	cps
Terbium	159-1	21992107	20745337	20865918	21201121	3.24	cps
Terbium	159-2	6830456	6675543	6814488	6773496	1.26	cps
Thallium	203-1	14515	14518	14281	14438	0.94	cps
Thallium	205-1	33600	34429	33530	33853	1.48	cps
Tin	118-1	49730	49879	55050	51553	5.88	cps
Titanium	47-1	831140	788677	814565	811461	2.64	cps
Uranium	238-1	460453	464820	463286	462853	0.48	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:39:09 DataFile Name : 053AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	273529	272993	271821	272781	0.32	cps
Ytterbium	172-1	51372	51868	51088	51443	0.77	cps
Ytterbium	172-2	20215	20149	20513	20292	0.95	cps
Ytterbium	176-1	37353	37065	37239	37219	0.39	cps
Ytterbium	176-2	14595	14211	14498	14435	1.38	cps
Yttrium	89-1	33852830	32914393	33427954	33398392	1.41	cps
Yttrium	89-2	2447931	2350866	2437810	2412202	2.21	cps
Zinc	66-2	209039	209418	208031	208829	0.34	cps
Zirconium	90-1	1180090	1192628	1163884	1178868	1.22	cps
Zirconium	91-1	262103	266073	262433	263536	0.84	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04DUP Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625DUP Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:42:21 DataFile Name : 054AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2693263	2764538	2753320	2737040	1.40	cps
Antimony	121-1	73721	74740	73801	74087	0.76	cps
Arsenic	75-2	13717	13063	13707	13495	2.78	cps
Barium	135-1	425002	420712	420329	422014	0.61	cps
Barium	137-1	736798	729897	737823	734839	0.59	cps
Beryllium	9-1	12541	12550	12341	12477	0.95	cps
Bismuth	209-1	12256034	12133939	12348461	12246145	0.88	cps
Bismuth	209-2	4808711	4922071	4789473	4840085	1.48	cps
Bromine	81-1	200008	224483	233478	219323	7.90	cps
Cadmium	108-1	1817	2077	2024	1972	6.96	cps
Cadmium	106-1	15225	15375	14801	15134	1.97	cps
Cadmium	111-1	13610	13440	13042	13364	2.18	cps
Calcium	43-1	360692	360505	357944	359713	0.43	cps
Calcium	44-1	5802240	5857443	5858684	5839455	0.55	cps
Carbon	12-1	13948345	14607348	14785008	14446900	3.05	cps
Carbon	12-2	115345	114113	117552	115670	1.51	cps
Chlorine	35-1	785721	851065	889888	842225	6.25	cps
Chlorine	35-2	3691	3517	3477	3562	3.19	cps
Chromium	52-2	259839	261538	259777	260385	0.38	cps
Cobalt	59-2	177601	175190	176243	176345	0.69	cps
Copper	63-2	247961	246044	246911	246972	0.39	cps
Dysprosium	156-1	230390	231643	231358	231130	0.28	cps
Dysprosium	156-2	71634	70501	69640	70592	1.42	cps
Erbium	164-1	186262	184849	183640	184917	0.71	cps
Erbium	164-2	59703	59763	59901	59789	0.17	cps
Gadolinium	160-1	208580	209507	210420	209502	0.44	cps
Gadolinium	160-2	82578	81856	82040	82158	0.46	cps
Holmium	165-1	20807030	20578703	20368723	20584818	1.06	cps
Holmium	165-2	7160722	7314554	6905038	7126771	2.90	cps
Indium	115-1	17414209	17037002	16734250	17061820	2.00	cps
Indium	115-2	1811280	1812455	1729102	1784279	2.68	cps
Iron	54-2	12467340	12309910	12406422	12394557	0.64	cps
Iron	56-2	228877903	229683763	233241243	230600970	1.01	cps
Iron	57-2	5889434	5890367	5801408	5860403	0.87	cps
Krypton	83-1	487	443	480	470	4.96	cps
Lead	206-1	715472	708353	709708	711177	0.53	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04DUP Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625DUP Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:42:21 DataFile Name : 054AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	587630	588624	585061	587105	0.31	cps
Lead	208-1	2769466	2739698	2754555	2754573	0.54	cps
Lithium	6-1	5388765	5165614	5174628	5243002	2.41	cps
Magnesium	24-2	2841293	2852279	2839955	2844509	0.24	cps
Manganese	55-2	1062813	1062653	1065117	1063528	0.13	cps
Molybdenum	94-1	526433	534993	526338	529255	0.94	cps
Molybdenum	95-1	127690	128336	125288	127105	1.26	cps
Molybdenum	96-1	213559	214024	213482	213688	0.14	cps
Molybdenum	97-1	80464	79442	78567	79491	1.19	cps
Molybdenum	98-1	206620	203626	204691	204979	0.74	cps
Neodymium	150-1	296545	293828	295431	295268	0.46	cps
Neodymium	150-2	70989	70872	70490	70784	0.37	cps
Nickel	60-2	106609	105756	105974	106113	0.42	cps
Phosphorus	31-2	2514	2530	2414	2486	2.54	cps
Potassium	39-2	1071294	1065532	1067922	1068249	0.27	cps
Rhodium	103-1	15951455	15655751	15369135	15658780	1.86	cps
Rhodium	103-2	6168163	6235007	6023888	6142353	1.76	cps
Scandium	45-1	11309282	11100923	10883539	11097915	1.92	cps
Scandium	45-2	215115	211627	206830	211191	1.97	cps
Selenium	82-1	1023	987	953	988	3.54	cps
Selenium	77-2	410	367	390	389	5.58	cps
Selenium	78-2	273	253	313	280	10.91	cps
Silicon	28-1	40231523	31805059	44146119	38727567	16.28	cps
Silver	107-1	5621	5661	5715	5666	0.83	cps
Silver	109-1	4161	4194	4124	4160	0.84	cps
Sodium	23-2	12219304	12015280	12177010	12137198	0.89	cps
Strontium	86-1	557750	560408	556374	558177	0.37	cps
Strontium	88-1	4996128	5185850	4924488	5035489	2.68	cps
Sulfur	34-1	4894409	4884667	4936731	4905269	0.56	cps
Terbium	159-1	21856277	21044831	21142401	21347837	2.08	cps
Terbium	159-2	6970075	6945002	6724796	6879958	1.96	cps
Thallium	203-1	13661	13901	13707	13756	0.93	cps
Thallium	205-1	32825	33938	33146	33303	1.72	cps
Tin	118-1	43759	51329	46844	47311	8.05	cps
Titanium	47-1	825859	850385	848505	841583	1.62	cps
Uranium	238-1	460885	463379	461446	461904	0.28	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04DUP Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625DUP Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:42:21 DataFile Name : 054AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	272218	271669	268496	270794	0.74	cps
Ytterbium	172-1	54033	53297	53494	53608	0.71	cps
Ytterbium	172-2	20770	20980	21214	20988	1.06	cps
Ytterbium	176-1	38660	38021	39238	38640	1.58	cps
Ytterbium	176-2	14995	14658	14498	14717	1.72	cps
Yttrium	89-1	33511600	33544150	33373726	33476492	0.27	cps
Yttrium	89-2	2495906	2503963	2424357	2474742	1.77	cps
Zinc	66-2	123876	120698	121052	121875	1.43	cps
Zirconium	90-1	1226641	1259185	1273627	1253151	1.92	cps
Zirconium	91-1	277676	278792	277806	278091	0.22	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04LX5 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625L Dilution Factor : 5
Date & Time Acquired : 2025-05-21 17:45:35 DataFile Name : 055AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	495791	492079	491069	492980	0.50	cps
Antimony	121-1	140692	143285	142928	142302	0.99	cps
Arsenic	75-2	2330	2317	2434	2360	2.71	cps
Barium	135-1	79801	81857	80495	80718	1.30	cps
Barium	137-1	142191	140953	139811	140985	0.84	cps
Beryllium	9-1	2383	2375	2440	2399	1.49	cps
Bismuth	209-1	12129346	11986319	12001114	12038926	0.65	cps
Bismuth	209-2	4705305	4703827	4725076	4711403	0.25	cps
Bromine	81-1	82363	85227	87199	84930	2.86	cps
Cadmium	108-1	257	393	443	364	26.51	cps
Cadmium	106-1	10237	9920	9817	9991	2.19	cps
Cadmium	111-1	7780	7556	7435	7590	2.31	cps
Calcium	43-1	60426	61718	62073	61406	1.41	cps
Calcium	44-1	1015949	1010279	1009417	1011882	0.35	cps
Carbon	12-1	6186067	6289904	6239382	6238451	0.83	cps
Carbon	12-2	49199	49196	48761	49052	0.51	cps
Chlorine	35-1	352498	356263	358740	355834	0.88	cps
Chlorine	35-2	1433	1413	1483	1443	2.50	cps
Chromium	52-2	48612	48689	47897	48399	0.90	cps
Cobalt	59-2	32196	32400	32226	32274	0.34	cps
Copper	63-2	50734	50576	50643	50651	0.16	cps
Dysprosium	156-1	40381	40578	40327	40429	0.33	cps
Dysprosium	156-2	12336	12523	12226	12361	1.21	cps
Erbium	164-1	32837	32730	32800	32789	0.17	cps
Erbium	164-2	10804	10798	10571	10724	1.24	cps
Gadolinium	160-1	36139	36664	36333	36378	0.73	cps
Gadolinium	160-2	14678	14752	14345	14591	1.49	cps
Holmium	165-1	20087061	19853903	20208167	20049710	0.90	cps
Holmium	165-2	6675713	6839298	6879954	6798322	1.59	cps
Indium	115-1	16853490	16671009	16733413	16752637	0.55	cps
Indium	115-2	1707908	1723652	1717378	1716313	0.46	cps
Iron	54-2	2272712	2233711	2222475	2242966	1.18	cps
Iron	56-2	40476629	40050781	39838469	40121960	0.81	cps
Iron	57-2	1005128	998468	978954	994183	1.37	cps
Krypton	83-1	297	340	297	311	8.04	cps
Lead	206-1	155912	159570	161198	158893	1.70	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04LX5 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625L Dilution Factor : 5
Date & Time Acquired : 2025-05-21 17:45:35 DataFile Name : 055AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	131224	132507	133682	132471	0.93	cps
Lead	208-1	609931	621638	624668	618746	1.26	cps
Lithium	6-1	5259526	5159875	5046360	5155254	2.07	cps
Magnesium	24-2	545800	542439	541292	543177	0.43	cps
Manganese	55-2	193379	196125	192180	193895	1.04	cps
Molybdenum	94-1	91093	93046	101598	95245	5.87	cps
Molybdenum	95-1	24545	24372	24859	24592	1.00	cps
Molybdenum	96-1	39102	40094	40175	39790	1.50	cps
Molybdenum	97-1	15709	15155	15285	15383	1.88	cps
Molybdenum	98-1	39035	39593	39994	39541	1.22	cps
Neodymium	150-1	51080	51749	52087	51639	0.99	cps
Neodymium	150-2	12996	12606	12422	12675	2.31	cps
Nickel	60-2	21006	21396	20739	21047	1.57	cps
Phosphorus	31-2	750	743	717	737	2.39	cps
Potassium	39-2	231697	227721	230545	229988	0.89	cps
Rhodium	103-1	15519603	15288618	15317780	15375333	0.82	cps
Rhodium	103-2	5981058	6097645	6030784	6036496	0.97	cps
Scandium	45-1	10409250	10438288	10316565	10388034	0.61	cps
Scandium	45-2	196674	195225	195829	195909	0.37	cps
Selenium	82-1	130	140	220	163	30.20	cps
Selenium	77-2	70	83	80	78	8.92	cps
Selenium	78-2	53	40	97	63	46.78	cps
Silicon	28-1	4828850	7616997	9241945	7229264	30.87	cps
Silver	107-1	1327	1443	1480	1417	5.65	cps
Silver	109-1	873	953	977	934	5.80	cps
Sodium	23-2	2473452	2452233	2462722	2462802	0.43	cps
Strontium	86-1	97983	100223	100219	99475	1.30	cps
Strontium	88-1	858048	863395	875719	865720	1.05	cps
Sulfur	34-1	1262261	1248205	1235142	1248536	1.09	cps
Terbium	159-1	20430902	20509652	20199622	20380059	0.79	cps
Terbium	159-2	6632969	6480119	6446852	6519980	1.52	cps
Thallium	203-1	3017	3060	3017	3031	0.83	cps
Thallium	205-1	6932	6855	6919	6902	0.59	cps
Tin	118-1	11855	15792	12085	13244	16.68	cps
Titanium	47-1	168022	154525	190413	170987	10.60	cps
Uranium	238-1	86545	86911	85881	86446	0.60	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04LX5 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625L Dilution Factor : 5
Date & Time Acquired : 2025-05-21 17:45:35 DataFile Name : 055AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	52573	51703	50783	51686	1.73	cps
Ytterbium	172-1	9540	9984	10254	9926	3.63	cps
Ytterbium	172-2	3701	3854	3704	3753	2.33	cps
Ytterbium	176-1	8696	8753	8960	8803	1.58	cps
Ytterbium	176-2	2980	3000	3117	3033	2.43	cps
Yttrium	89-1	30546616	30458392	30641645	30548884	0.30	cps
Yttrium	89-2	2264067	2230779	2216746	2237198	1.09	cps
Zinc	66-2	49132	48466	48248	48615	0.95	cps
Zirconium	90-1	232804	218097	217572	222824	3.88	cps
Zirconium	91-1	46775	47106	49810	47897	3.48	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-05 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625MS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:48:50 DataFile Name : 056AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4434710	4452437	4399765	4428971	0.61	cps
Antimony	121-1	11810787	11869074	11869607	11849823	0.29	cps
Arsenic	75-2	17311	17157	16927	17132	1.13	cps
Barium	135-1	13372326	13361302	13185654	13306427	0.79	cps
Barium	137-1	23088389	23359162	22707823	23051791	1.42	cps
Beryllium	9-1	2387176	2394628	2405443	2395749	0.38	cps
Bismuth	209-1	11562533	11518558	11529111	11536734	0.20	cps
Bismuth	209-2	4552207	4497685	4443952	4497948	1.20	cps
Bromine	81-1	171781	189499	197459	186247	7.06	cps
Cadmium	108-1	217131	215732	214616	215826	0.58	cps
Cadmium	106-1	334478	338425	335372	336092	0.62	cps
Cadmium	111-1	2903056	2951846	2907832	2920911	0.92	cps
Calcium	43-1	3877947	3889401	3863141	3876830	0.34	cps
Calcium	44-1	63015114	63781684	63236787	63344529	0.62	cps
Carbon	12-1	16342173	17141783	17951794	17145250	4.69	cps
Carbon	12-2	140047	141064	143459	141523	1.24	cps
Chlorine	35-1	70100087	77663112	79973164	75912121	6.80	cps
Chlorine	35-2	350472	353656	348653	350927	0.72	cps
Chromium	52-2	2623167	2602778	2625172	2617039	0.47	cps
Cobalt	59-2	4428557	4448362	4546977	4474632	1.42	cps
Copper	63-2	33340576	33023365	33227515	33197152	0.48	cps
Dysprosium	156-1	325968	327188	328306	327154	0.36	cps
Dysprosium	156-2	101148	102499	101206	101618	0.75	cps
Erbium	164-1	269890	276407	273919	273405	1.20	cps
Erbium	164-2	87260	87784	87582	87542	0.30	cps
Gadolinium	160-1	298984	301507	298868	299786	0.50	cps
Gadolinium	160-2	116530	117294	115878	116567	0.61	cps
Holmium	165-1	20236965	20252558	20203318	20230947	0.12	cps
Holmium	165-2	6851231	6760904	6784049	6798728	0.69	cps
Indium	115-1	16450235	15992528	16228995	16223920	1.41	cps
Indium	115-2	1664551	1652614	1665341	1660835	0.43	cps
Iron	54-2	24115600	24269526	24229162	24204763	0.33	cps
Iron	56-2	444234007	442238060	441661460	442711176	0.30	cps
Iron	57-2	11317737	11149812	11203932	11223827	0.76	cps
Krypton	83-1	627	633	613	624	1.63	cps
Lead	206-1	43100394	43761399	43257959	43373251	0.80	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-05 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625MS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:48:50 DataFile Name : 056AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	37256214	38068669	36894819	37406567	1.61	cps
Lead	208-1	171945903	173360190	170445000	171917031	0.85	cps
Lithium	6-1	4888032	4905310	4840821	4878054	0.68	cps
Magnesium	24-2	16973394	16966385	17011577	16983785	0.14	cps
Manganese	55-2	11434384	11478525	11238937	11383948	1.12	cps
Molybdenum	94-1	20429368	20633194	20542337	20534966	0.50	cps
Molybdenum	95-1	21425836	21472277	21504748	21467620	0.18	cps
Molybdenum	96-1	24339182	24692302	24625402	24552295	0.76	cps
Molybdenum	97-1	13376783	13476831	13399650	13417755	0.39	cps
Molybdenum	98-1	35148883	35318357	34843724	35103654	0.69	cps
Neodymium	150-1	402388	412290	408269	407649	1.22	cps
Neodymium	150-2	97768	95647	96134	96516	1.15	cps
Nickel	60-2	1230226	1245004	1241195	1238809	0.62	cps
Phosphorus	31-2	3280	3047	3270	3199	4.12	cps
Potassium	39-2	5219524	5286482	5221743	5242583	0.73	cps
Rhodium	103-1	14839161	15044424	14735773	14873119	1.06	cps
Rhodium	103-2	5733289	5720879	5671959	5708709	0.57	cps
Scandium	45-1	10998680	11038819	10916703	10984734	0.57	cps
Scandium	45-2	210687	209666	206909	209088	0.93	cps
Selenium	82-1	180512	182202	178533	180415	1.02	cps
Selenium	77-2	3734	3457	3687	3626	4.09	cps
Selenium	78-2	10934	10554	10471	10653	2.32	cps
Silicon	28-1	42885522	52105599	52370756	49120626	11.00	cps
Silver	107-1	2511648	2529743	2519416	2520269	0.36	cps
Silver	109-1	2371669	2374270	2303550	2349830	1.71	cps
Sodium	23-2	37751357	38389633	37782741	37974577	0.95	cps
Strontium	86-1	5124458	5214555	5236311	5191774	1.14	cps
Strontium	88-1	44438428	44838813	44321163	44532801	0.61	cps
Sulfur	34-1	8180589	8110859	8089574	8127008	0.59	cps
Terbium	159-1	20670233	20601565	20717522	20663106	0.28	cps
Terbium	159-2	6704321	6637021	6604447	6648596	0.77	cps
Thallium	203-1	10068108	10318023	10194747	10193626	1.23	cps
Thallium	205-1	23708853	24492554	24014202	24071870	1.64	cps
Tin	118-1	8637647	8596527	8685973	8640049	0.52	cps
Titanium	47-1	1477793	1673858	1441297	1530983	8.17	cps
Uranium	238-1	32681039	32961325	32653988	32765451	0.52	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-05 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625MS Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:48:50 DataFile Name : 056AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2198251	2166053	2169985	2178097	0.81	cps
Ytterbium	172-1	80536	81181	79151	80289	1.29	cps
Ytterbium	172-2	31350	31083	30635	31023	1.16	cps
Ytterbium	176-1	105148	106881	105642	105890	0.84	cps
Ytterbium	176-2	37724	39050	37787	38187	1.96	cps
Yttrium	89-1	33859720	34354689	34379261	34197890	0.86	cps
Yttrium	89-2	2459301	2460283	2430752	2450112	0.68	cps
Zinc	66-2	3908714	3948731	3871233	3909559	0.99	cps
Zirconium	90-1	22362825	22403751	22597304	22454626	0.56	cps
Zirconium	91-1	5072795	5003125	5001978	5025966	0.81	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-06 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625MSD Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:51:33 DataFile Name : 057AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4390780	4375931	4382064	4382925	0.17	cps
Antimony	121-1	12055271	12102789	12016443	12058167	0.36	cps
Arsenic	75-2	16276	16914	16577	16589	1.92	cps
Barium	135-1	13090481	13406155	13290096	13262244	1.20	cps
Barium	137-1	22883372	23016930	23181589	23027297	0.65	cps
Beryllium	9-1	2359666	2408386	2464317	2410790	2.17	cps
Bismuth	209-1	11528271	11604261	11585146	11572559	0.34	cps
Bismuth	209-2	4486726	4508980	4489209	4494972	0.27	cps
Bromine	81-1	165377	183230	192841	180483	7.72	cps
Cadmium	108-1	212478	220213	217006	216566	1.79	cps
Cadmium	106-1	337936	346279	346312	343509	1.41	cps
Cadmium	111-1	2960768	2995212	2998145	2984708	0.70	cps
Calcium	43-1	3949688	4044967	3972946	3989200	1.25	cps
Calcium	44-1	63865124	64575224	64256566	64232305	0.55	cps
Carbon	12-1	16214226	17039739	17833237	17029067	4.75	cps
Carbon	12-2	142615	141759	143536	142637	0.62	cps
Chlorine	35-1	76474464	82136109	83345455	80652009	4.55	cps
Chlorine	35-2	356296	358662	364343	359767	1.15	cps
Chromium	52-2	2652881	2622763	2703030	2659558	1.52	cps
Cobalt	59-2	4575322	4559696	4538833	4557951	0.40	cps
Copper	63-2	34375084	34079525	33888430	34114346	0.72	cps
Dysprosium	156-1	312736	318021	314223	314993	0.87	cps
Dysprosium	156-2	100275	100024	100236	100178	0.14	cps
Erbium	164-1	269056	274852	276832	273580	1.48	cps
Erbium	164-2	89359	87881	87304	88181	1.20	cps
Gadolinium	160-1	289407	294393	294047	292616	0.95	cps
Gadolinium	160-2	114261	115639	114550	114817	0.63	cps
Holmium	165-1	20174704	19999344	20321136	20165062	0.80	cps
Holmium	165-2	6940061	6824022	6841182	6868421	0.91	cps
Indium	115-1	16486734	16291147	16178070	16318650	0.96	cps
Indium	115-2	1629357	1671041	1659329	1653243	1.30	cps
Iron	54-2	26512761	25942932	26579351	26345015	1.33	cps
Iron	56-2	489409873	480483300	489630553	486507908	1.07	cps
Iron	57-2	12234881	12368384	12186506	12263257	0.77	cps
Krypton	83-1	633	653	650	646	1.66	cps
Lead	206-1	43613344	44066191	43733818	43804451	0.54	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-06 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625MSD Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:51:33 DataFile Name : 057AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	37393465	37479285	37815022	37562591	0.59	cps
Lead	208-1	171958848	173370295	174499015	173276053	0.73	cps
Lithium	6-1	4864442	4887813	4881542	4877932	0.25	cps
Magnesium	24-2	17259928	17067933	17174553	17167471	0.56	cps
Manganese	55-2	11702172	11456722	11639720	11599538	1.10	cps
Molybdenum	94-1	20532357	20568056	20677677	20592697	0.37	cps
Molybdenum	95-1	21498385	22169050	21775776	21814403	1.54	cps
Molybdenum	96-1	24572451	25061807	24691495	24775251	1.03	cps
Molybdenum	97-1	13510619	13700263	13516322	13575735	0.79	cps
Molybdenum	98-1	35185429	35316126	35497166	35332907	0.44	cps
Neodymium	150-1	378360	394165	388143	386890	2.06	cps
Neodymium	150-2	92318	91781	91277	91792	0.57	cps
Nickel	60-2	1264070	1266237	1266211	1265506	0.10	cps
Phosphorus	31-2	3194	3150	3387	3244	3.89	cps
Potassium	39-2	5301078	5217766	5317288	5278710	1.01	cps
Rhodium	103-1	14706819	14934276	14834086	14825060	0.77	cps
Rhodium	103-2	5824198	5715121	5779059	5772793	0.95	cps
Scandium	45-1	11023016	11033584	11135364	11063988	0.56	cps
Scandium	45-2	210160	209005	210103	209756	0.31	cps
Selenium	82-1	181808	181741	184087	182545	0.73	cps
Selenium	77-2	3684	3654	3981	3773	4.79	cps
Selenium	78-2	10814	10667	10697	10726	0.72	cps
Silicon	28-1	48298731	46656293	64200204	53051743	18.26	cps
Silver	107-1	2558001	2607497	2579294	2581597	0.96	cps
Silver	109-1	2411094	2485420	2376112	2424209	2.30	cps
Sodium	23-2	37578210	36713206	37443724	37245047	1.25	cps
Strontium	86-1	5447926	5149037	5284971	5293978	2.83	cps
Strontium	88-1	45064964	45207278	44915939	45062727	0.32	cps
Sulfur	34-1	8960192	9075739	8911148	8982360	0.94	cps
Terbium	159-1	20939989	20759607	20403141	20700913	1.32	cps
Terbium	159-2	6560523	6720562	6528387	6603157	1.56	cps
Thallium	203-1	10036913	10498940	10362998	10299617	2.31	cps
Thallium	205-1	23615767	24735629	24340131	24230509	2.34	cps
Tin	118-1	8691492	8782464	8744822	8739593	0.52	cps
Titanium	47-1	1433033	1496571	1529666	1486423	3.30	cps
Uranium	238-1	32351346	32634540	32925997	32637295	0.88	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-06 Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625MSD Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:51:33 DataFile Name : 057AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2269131	2252468	2252275	2257958	0.43	cps
Ytterbium	172-1	82726	82817	83971	83171	0.83	cps
Ytterbium	172-2	32864	32590	32988	32814	0.62	cps
Ytterbium	176-1	107944	109630	108780	108785	0.77	cps
Ytterbium	176-2	38533	40097	39629	39420	2.04	cps
Yttrium	89-1	34180451	33843945	34189694	34071364	0.58	cps
Yttrium	89-2	2503696	2463362	2495207	2487422	0.85	cps
Zinc	66-2	3998959	3961581	3950749	3970430	0.64	cps
Zirconium	90-1	22822648	22938898	23144657	22968734	0.71	cps
Zirconium	91-1	5078708	5223284	5169561	5157185	1.42	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04A Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625A Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:54:14 DataFile Name : 058AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	4426289	4372595	4428173	4409019	0.72	cps
Antimony	121-1	11911154	12111319	12165322	12062598	1.11	cps
Arsenic	75-2	16256	16627	16690	16524	1.42	cps
Barium	135-1	13387583	13519291	13463396	13456757	0.49	cps
Barium	137-1	23032454	23263280	23432557	23242764	0.86	cps
Beryllium	9-1	2385407	2375602	2432695	2397901	1.27	cps
Bismuth	209-1	11455839	11402384	11652907	11503710	1.15	cps
Bismuth	209-2	4495793	4533028	4503441	4510754	0.44	cps
Bromine	81-1	174034	189291	198099	187141	6.51	cps
Cadmium	108-1	215311	221352	218123	218262	1.39	cps
Cadmium	106-1	340731	341389	341647	341256	0.14	cps
Cadmium	111-1	2907091	2983609	2979351	2956684	1.45	cps
Calcium	43-1	3869887	3956058	3930119	3918688	1.13	cps
Calcium	44-1	62525634	64600929	63292472	63473012	1.65	cps
Carbon	12-1	16753641	17276776	18000062	17343493	3.61	cps
Carbon	12-2	142186	140423	142133	141581	0.71	cps
Chlorine	35-1	77704146	82793944	83905852	81467980	4.06	cps
Chlorine	35-2	359399	356757	356122	357426	0.49	cps
Chromium	52-2	2617867	2622685	2630347	2623633	0.24	cps
Cobalt	59-2	4627834	4543855	4600133	4590607	0.93	cps
Copper	63-2	34120708	33937027	33539075	33865603	0.88	cps
Dysprosium	156-1	311619	321829	323723	319057	2.04	cps
Dysprosium	156-2	100467	100343	101379	100730	0.56	cps
Erbium	164-1	270346	273977	271834	272052	0.67	cps
Erbium	164-2	87864	87707	88754	88108	0.64	cps
Gadolinium	160-1	294840	296703	297504	296349	0.46	cps
Gadolinium	160-2	115673	115979	115982	115878	0.15	cps
Holmium	165-1	19912014	20364333	20108071	20128140	1.13	cps
Holmium	165-2	6883390	6830117	6725254	6812920	1.18	cps
Indium	115-1	16071738	16315333	16276472	16221181	0.81	cps
Indium	115-2	1632414	1669302	1638164	1646627	1.21	cps
Iron	54-2	26173878	25520675	25578010	25757521	1.40	cps
Iron	56-2	484890606	471893926	481546939	479443824	1.41	cps
Iron	57-2	12324371	12100476	12387856	12270901	1.23	cps
Krypton	83-1	580	560	633	591	6.41	cps
Lead	206-1	42502209	43246521	42428866	42725865	1.06	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04A Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625A Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:54:14 DataFile Name : 058AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	36716588	37731904	37226667	37225053	1.36	cps
Lead	208-1	169687359	171820234	172075812	171194468	0.77	cps
Lithium	6-1	4792138	4813683	4796499	4800773	0.24	cps
Magnesium	24-2	17100444	17237153	17021747	17119781	0.64	cps
Manganese	55-2	11508053	11375280	11427053	11436795	0.59	cps
Molybdenum	94-1	20378771	20553870	20787929	20573523	1.00	cps
Molybdenum	95-1	21594376	21630496	21792526	21672466	0.49	cps
Molybdenum	96-1	24555657	24779237	24827057	24720650	0.59	cps
Molybdenum	97-1	13379822	13588514	13634296	13534211	1.00	cps
Molybdenum	98-1	34308544	35231580	35043879	34861334	1.40	cps
Neodymium	150-1	386432	394111	392496	391013	1.04	cps
Neodymium	150-2	94120	99014	93291	95475	3.24	cps
Nickel	60-2	1261780	1255050	1244408	1253746	0.70	cps
Phosphorus	31-2	3174	3344	3130	3216	3.51	cps
Potassium	39-2	5321971	5296294	5288326	5302197	0.33	cps
Rhodium	103-1	14666274	14722929	14742967	14710724	0.27	cps
Rhodium	103-2	5715716	5786620	5662963	5721766	1.08	cps
Scandium	45-1	10972828	11091492	11074819	11046379	0.58	cps
Scandium	45-2	211925	210148	207761	209945	1.00	cps
Selenium	82-1	181482	182769	181852	182034	0.36	cps
Selenium	77-2	3564	3594	3564	3574	0.48	cps
Selenium	78-2	10811	10631	10974	10805	1.59	cps
Silicon	28-1	39877988	44023495	51890628	45264037	13.48	cps
Silver	107-1	2573866	2600734	2594812	2589804	0.55	cps
Silver	109-1	2372867	2408560	2433962	2405130	1.28	cps
Sodium	23-2	37280705	37018581	37002603	37100630	0.42	cps
Strontium	86-1	5119808	5260209	5236244	5205420	1.44	cps
Strontium	88-1	44466076	45061628	45195124	44907609	0.86	cps
Sulfur	34-1	8980412	9025154	8886398	8963988	0.79	cps
Terbium	159-1	20794548	20993770	20912899	20900406	0.48	cps
Terbium	159-2	6645305	6578224	6646218	6623249	0.59	cps
Thallium	203-1	10019576	10353557	10283700	10218945	1.72	cps
Thallium	205-1	23782079	24260430	24329646	24124052	1.24	cps
Tin	118-1	8810877	8718237	8701555	8743556	0.67	cps
Titanium	47-1	1532150	1529720	1518129	1526666	0.49	cps
Uranium	238-1	31970876	32457886	33046445	32491736	1.66	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-04A Instrumnet Name : P8
Client Sample ID : SC-1-SED-051625A Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:54:14 DataFile Name : 058AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	2261029	2204869	2227333	2231077	1.27	cps
Ytterbium	172-1	82978	84662	89014	85551	3.64	cps
Ytterbium	172-2	32750	31958	33001	32570	1.67	cps
Ytterbium	176-1	106939	110649	107517	108368	1.84	cps
Ytterbium	176-2	39740	39439	39516	39565	0.40	cps
Yttrium	89-1	33976969	34046852	34236373	34086731	0.39	cps
Yttrium	89-2	2512869	2469305	2474016	2485396	0.96	cps
Zinc	66-2	3988316	4001857	4017812	4002662	0.37	cps
Zirconium	90-1	22941456	22787752	23389927	23039712	1.36	cps
Zirconium	91-1	5139751	5110490	5207676	5152639	0.97	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-07 Instrumnet Name : P8
Client Sample ID : SC-COMP-SED-051625 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:56:58 DataFile Name : 059AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	2455901	2475956	2448234	2460030	0.58	cps
Antimony	121-1	2024	1964	1867	1951	4.05	cps
Arsenic	75-2	16590	16670	16486	16582	0.55	cps
Barium	135-1	427441	433511	428883	429945	0.74	cps
Barium	137-1	740640	747643	741132	743139	0.53	cps
Beryllium	9-1	10831	11241	10962	11011	1.90	cps
Bismuth	209-1	12112167	12015088	12114961	12080739	0.47	cps
Bismuth	209-2	4764361	4681888	4657407	4701219	1.19	cps
Bromine	81-1	171214	185505	190188	182302	5.42	cps
Cadmium	108-1	2064	1974	2130	2056	3.83	cps
Cadmium	106-1	15435	15192	15148	15259	1.01	cps
Cadmium	111-1	12444	12397	12280	12373	0.68	cps
Calcium	43-1	249661	248241	248788	248897	0.29	cps
Calcium	44-1	4161416	4085070	4023760	4090082	1.69	cps
Carbon	12-1	12140003	12673727	12909814	12574514	3.14	cps
Carbon	12-2	102454	101686	100776	101638	0.83	cps
Chlorine	35-1	4120579	3782129	3429118	3777275	9.15	cps
Chlorine	35-2	12485	12062	11648	12065	3.47	cps
Chromium	52-2	303168	306826	306937	305644	0.70	cps
Cobalt	59-2	153822	154660	156934	155139	1.04	cps
Copper	63-2	274000	274783	276668	275151	0.50	cps
Dysprosium	156-1	207156	208419	209358	208311	0.53	cps
Dysprosium	156-2	65397	63835	63446	64226	1.61	cps
Erbium	164-1	163280	163202	160559	162347	0.95	cps
Erbium	164-2	51599	53139	53049	52596	1.64	cps
Gadolinium	160-1	184112	186404	183159	184558	0.90	cps
Gadolinium	160-2	73692	73105	72586	73128	0.76	cps
Holmium	165-1	20639476	20512126	20126199	20425934	1.31	cps
Holmium	165-2	6963907	6908345	6982102	6951451	0.55	cps
Indium	115-1	17213942	16918267	17032649	17054953	0.87	cps
Indium	115-2	1758975	1747372	1774793	1760380	0.78	cps
Iron	54-2	12534359	12869709	12843354	12749141	1.46	cps
Iron	56-2	237382183	238693943	236578510	237551545	0.45	cps
Iron	57-2	5908423	6018560	6021119	5982701	1.08	cps
Krypton	83-1	397	443	724	521	33.92	cps
Lead	206-1	652059	650020	652103	651394	0.18	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-07 Instrumnet Name : P8
Client Sample ID : SC-COMP-SED-051625 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:56:58 DataFile Name : 059AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	535167	535241	540833	537080	0.61	cps
Lead	208-1	2522512	2516917	2515536	2518322	0.15	cps
Lithium	6-1	4967618	4928983	4947127	4947909	0.39	cps
Magnesium	24-2	2709172	2763539	2763437	2745383	1.14	cps
Manganese	55-2	940083	941854	935774	939237	0.33	cps
Molybdenum	94-1	546570	545231	545697	545833	0.12	cps
Molybdenum	95-1	126045	125722	126254	126007	0.21	cps
Molybdenum	96-1	218299	213488	215250	215679	1.13	cps
Molybdenum	97-1	78735	78218	78896	78616	0.45	cps
Molybdenum	98-1	203544	204546	202023	203371	0.62	cps
Neodymium	150-1	272681	275190	283257	277043	1.99	cps
Neodymium	150-2	66451	65380	66158	65996	0.84	cps
Nickel	60-2	97897	98582	97967	98149	0.38	cps
Phosphorus	31-2	2200	2287	2314	2267	2.61	cps
Potassium	39-2	980469	971989	968343	973600	0.64	cps
Rhodium	103-1	15706810	15478032	15464042	15549628	0.88	cps
Rhodium	103-2	5935411	6003497	6010341	5983083	0.69	cps
Scandium	45-1	11306322	11035072	11015760	11119051	1.46	cps
Scandium	45-2	207763	207115	205759	206879	0.49	cps
Selenium	82-1	923	930	620	824	21.50	cps
Selenium	77-2	377	353	317	349	8.67	cps
Selenium	78-2	250	200	197	216	13.86	cps
Silicon	28-1	35009114	32669606	41528924	36402548	12.61	cps
Silver	107-1	5852	5828	5091	5590	7.74	cps
Silver	109-1	3954	3684	3657	3765	4.36	cps
Sodium	23-2	12305414	12474192	12224349	12334652	1.03	cps
Strontium	86-1	428524	430849	429977	429783	0.27	cps
Strontium	88-1	3884348	3919509	3866592	3890150	0.69	cps
Sulfur	34-1	4100275	4103161	4034941	4079459	0.95	cps
Terbium	159-1	21289674	20813823	20953914	21019137	1.16	cps
Terbium	159-2	6876132	6694358	6617458	6729316	1.97	cps
Thallium	203-1	15820	15272	15072	15388	2.51	cps
Thallium	205-1	37848	36946	36074	36956	2.40	cps
Tin	118-1	78944	75129	77588	77220	2.50	cps
Titanium	47-1	820166	795076	799577	804940	1.66	cps
Uranium	238-1	369936	373215	376082	373078	0.82	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-07 Instrumnet Name : P8
Client Sample ID : SC-COMP-SED-051625 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 17:56:58 DataFile Name : 059AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	345869	348624	348199	347564	0.43	cps
Ytterbium	172-1	47870	47214	47796	47626	0.75	cps
Ytterbium	172-2	18614	18433	19257	18768	2.31	cps
Ytterbium	176-1	35692	35892	36216	35933	0.74	cps
Ytterbium	176-2	13450	13560	13137	13382	1.64	cps
Yttrium	89-1	33468148	33392691	32791006	33217282	1.12	cps
Yttrium	89-2	2428688	2419416	2431318	2426474	0.26	cps
Zinc	66-2	121710	122739	122121	122190	0.42	cps
Zirconium	90-1	1301470	1292120	1283385	1292325	0.70	cps
Zirconium	91-1	289907	302206	293691	295268	2.13	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-08 Instrumnet Name : P8
Client Sample ID : DUPE-1-SC Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:00:10 DataFile Name : 060AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	1844801	1904710	1905718	1885076	1.85	cps
Antimony	121-1	1433	1573	1423	1477	5.68	cps
Arsenic	75-2	9617	9660	9540	9606	0.63	cps
Barium	135-1	527464	537434	535860	533586	1.00	cps
Barium	137-1	922230	929106	934971	928769	0.69	cps
Beryllium	9-1	7783	7703	7667	7718	0.77	cps
Bismuth	209-1	12132669	12200606	12116974	12150083	0.37	cps
Bismuth	209-2	4774571	4743131	4680430	4732711	1.01	cps
Bromine	81-1	166934	181398	189073	179135	6.28	cps
Cadmium	108-1	1233	1493	1310	1346	9.93	cps
Cadmium	106-1	13507	13190	13173	13290	1.41	cps
Cadmium	111-1	10671	10301	10484	10486	1.77	cps
Calcium	43-1	202852	206792	205299	204981	0.97	cps
Calcium	44-1	3395678	3350235	3336907	3360940	0.92	cps
Carbon	12-1	9175738	9740500	9895117	9603785	3.94	cps
Carbon	12-2	79279	78750	80133	79387	0.88	cps
Chlorine	35-1	2019784	2029917	1984032	2011244	1.20	cps
Chlorine	35-2	7639	7649	7639	7642	0.08	cps
Chromium	52-2	216703	217105	216215	216674	0.21	cps
Cobalt	59-2	168947	169966	169364	169426	0.30	cps
Copper	63-2	201165	204650	201794	202536	0.92	cps
Dysprosium	156-1	153447	156778	156673	155632	1.22	cps
Dysprosium	156-2	46791	46387	46149	46443	0.70	cps
Erbium	164-1	114202	115489	113368	114353	0.93	cps
Erbium	164-2	37202	36801	37606	37203	1.08	cps
Gadolinium	160-1	135156	136231	137380	136256	0.82	cps
Gadolinium	160-2	52985	52673	52767	52809	0.30	cps
Holmium	165-1	20372231	19845804	20264698	20160911	1.38	cps
Holmium	165-2	6865897	6817021	7003788	6895569	1.40	cps
Indium	115-1	16981233	17098968	17031864	17037355	0.35	cps
Indium	115-2	1724124	1721912	1751120	1732385	0.94	cps
Iron	54-2	8986427	8731963	8842310	8853567	1.44	cps
Iron	56-2	165701651	164120524	163944904	164589026	0.59	cps
Iron	57-2	4203890	4187749	4103489	4165043	1.29	cps
Krypton	83-1	380	343	337	353	6.60	cps
Lead	206-1	581826	583448	578903	581392	0.40	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-08 Instrumnet Name : P8
Client Sample ID : DUPE-1-SC Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:00:10 DataFile Name : 060AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	478194	480875	482674	480581	0.47	cps
Lead	208-1	2248893	2265209	2257672	2257258	0.36	cps
Lithium	6-1	4798826	4817105	4912008	4842646	1.25	cps
Magnesium	24-2	2477325	2437805	2493268	2469466	1.16	cps
Manganese	55-2	781730	773296	784730	779919	0.76	cps
Molybdenum	94-1	374876	372367	376837	374694	0.60	cps
Molybdenum	95-1	89590	90116	89264	89657	0.48	cps
Molybdenum	96-1	152336	154690	155236	154087	1.00	cps
Molybdenum	97-1	56133	56869	56397	56466	0.66	cps
Molybdenum	98-1	146231	145844	146535	146203	0.24	cps
Neodymium	150-1	212452	215075	212824	213451	0.66	cps
Neodymium	150-2	52874	51556	51117	51849	1.76	cps
Nickel	60-2	94874	95300	92824	94332	1.40	cps
Phosphorus	31-2	1733	1747	1643	1708	3.29	cps
Potassium	39-2	741491	730452	731902	734615	0.82	cps
Rhodium	103-1	15321794	15522453	15304537	15382928	0.79	cps
Rhodium	103-2	5867063	6002289	6084290	5984547	1.83	cps
Scandium	45-1	10852761	10967944	10710435	10843713	1.19	cps
Scandium	45-2	204339	200995	203140	202825	0.84	cps
Selenium	82-1	627	710	700	679	6.70	cps
Selenium	77-2	233	267	260	253	6.96	cps
Selenium	78-2	170	180	173	174	2.92	cps
Silicon	28-1	38550673	51342397	35740084	41877718	19.86	cps
Silver	107-1	3611	3784	3841	3745	3.20	cps
Silver	109-1	2684	2680	2837	2734	3.27	cps
Sodium	23-2	13122125	13111370	13231723	13155072	0.51	cps
Strontium	86-1	368090	368554	362517	366387	0.92	cps
Strontium	88-1	3305654	3373606	3342834	3340698	1.02	cps
Sulfur	34-1	2766465	2825407	2764169	2785347	1.25	cps
Terbium	159-1	21246501	20941222	21160154	21115959	0.75	cps
Terbium	159-2	6645342	6682606	6656547	6661498	0.29	cps
Thallium	203-1	9901	9557	9754	9737	1.77	cps
Thallium	205-1	23501	23334	23014	23283	1.06	cps
Tin	118-1	106314	107676	107046	107012	0.64	cps
Titanium	47-1	674208	656709	692465	674461	2.65	cps
Uranium	238-1	180317	184294	183795	182802	1.19	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : Q2085-08 Instrumnet Name : P8
Client Sample ID : DUPE-1-SC Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:00:10 DataFile Name : 060AREF.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	188677	187202	188181	188020	0.40	cps
Ytterbium	172-1	31892	31327	31615	31611	0.89	cps
Ytterbium	172-2	12416	12433	12623	12490	0.92	cps
Ytterbium	176-1	24272	24817	24877	24655	1.35	cps
Ytterbium	176-2	9383	9017	9450	9283	2.52	cps
Yttrium	89-1	32478679	32422630	32580897	32494069	0.25	cps
Yttrium	89-2	2386340	2341245	2311248	2346277	1.61	cps
Zinc	66-2	117452	118877	117210	117846	0.76	cps
Zirconium	90-1	879640	888347	883366	883784	0.49	cps
Zirconium	91-1	196774	205716	207864	203451	2.89	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV04 Instrumnet Name : P8
Client Sample ID : CCV04 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:04:17 DataFile Name : 061CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	3737310	3673111	3667973	3692798	1.05	cps
Antimony	121-1	11542580	11642609	11696293	11627161	0.67	cps
Arsenic	75-2	226089	224958	227129	226059	0.48	cps
Barium	135-1	14084006	13900686	14007046	13997246	0.66	cps
Barium	137-1	24227045	24017642	23897780	24047489	0.69	cps
Beryllium	9-1	2330081	2278238	2373402	2327240	2.05	cps
Bismuth	209-1	10314316	10456093	10345822	10372077	0.72	cps
Bismuth	209-2	4088773	4033522	4070362	4064219	0.69	cps
Bromine	81-1	39750	40261	40157	40056	0.67	cps
Cadmium	108-1	214622	217928	218002	216850	0.89	cps
Cadmium	106-1	318101	317693	323648	319814	1.04	cps
Cadmium	111-1	2827557	2837566	2822572	2829232	0.27	cps
Calcium	43-1	16324285	16662906	16436800	16474664	1.05	cps
Calcium	44-1	266492763	265891696	266458723	266281060	0.13	cps
Carbon	12-1	4209810	4211049	4308915	4243258	1.34	cps
Carbon	12-2	37471	37271	37200	37314	0.38	cps
Chlorine	35-1	811882	789366	778982	793410	2.12	cps
Chlorine	35-2	2970	2897	2580	2816	7.36	cps
Chromium	52-2	2335572	2338431	2331236	2335080	0.16	cps
Cobalt	59-2	4204122	4207789	4176685	4196198	0.41	cps
Copper	63-2	31382921	31368987	31273630	31341846	0.19	cps
Dysprosium	156-1	660	673	740	691	6.20	cps
Dysprosium	156-2	147	127	150	141	8.94	cps
Erbium	164-1	740	770	737	749	2.45	cps
Erbium	164-2	237	273	243	251	7.78	cps
Gadolinium	160-1	490	583	503	526	9.61	cps
Gadolinium	160-2	223	177	193	198	11.96	cps
Holmium	165-1	18623523	18679668	18231204	18511465	1.32	cps
Holmium	165-2	6418219	6364781	6324439	6369146	0.74	cps
Indium	115-1	14667481	14710203	14581205	14652963	0.45	cps
Indium	115-2	1422014	1418502	1426204	1422240	0.27	cps
Iron	54-2	23537925	23296202	23141435	23325187	0.86	cps
Iron	56-2	427779580	433075287	433828327	431561065	0.76	cps
Iron	57-2	10885589	10932837	10951214	10923214	0.31	cps
Krypton	83-1	290	327	303	307	6.05	cps
Lead	206-1	40540520	40914477	40797091	40750696	0.47	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV04 Instrumnet Name : P8
Client Sample ID : CCV04 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:04:17 DataFile Name : 061CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	35064944	35022017	35219178	35102046	0.30	cps
Lead	208-1	161579173	162228699	163443971	162417281	0.58	cps
Lithium	6-1	4258707	4283809	4319148	4287221	0.71	cps
Magnesium	24-2	62319076	61379426	63012679	62237060	1.32	cps
Manganese	55-2	9745875	9564126	9546527	9618843	1.15	cps
Molybdenum	94-1	40846003	40302141	40974891	40707678	0.88	cps
Molybdenum	95-1	58236199	58017449	59134651	58462766	1.01	cps
Molybdenum	96-1	63452479	63612244	63918532	63661085	0.37	cps
Molybdenum	97-1	35633603	36164332	36619760	36139232	1.37	cps
Molybdenum	98-1	93869872	93704265	96207409	94593849	1.48	cps
Neodymium	150-1	1197	1383	1313	1298	7.27	cps
Neodymium	150-2	113	130	107	117	10.30	cps
Nickel	60-2	1069443	1068616	1072258	1070106	0.18	cps
Phosphorus	31-2	36863	36195	36583	36547	0.92	cps
Potassium	39-2	22227384	21837625	21961079	22008696	0.91	cps
Rhodium	103-1	12928629	13116618	13307544	13117597	1.44	cps
Rhodium	103-2	5148853	5149395	5126134	5141461	0.26	cps
Scandium	45-1	9457949	9608640	9603040	9556543	0.89	cps
Scandium	45-2	185492	181603	186133	184409	1.33	cps
Selenium	82-1	164877	167697	165703	166092	0.87	cps
Selenium	77-2	2907	2810	2864	2860	1.69	cps
Selenium	78-2	9587	9777	9653	9672	1.00	cps
Silicon	28-1	68835027	68980754	69737284	69184355	0.70	cps
Silver	107-1	13718195	13793573	13963649	13825139	0.91	cps
Silver	109-1	12893429	13057691	13052939	13001353	0.72	cps
Sodium	23-2	117017492	115482398	117153212	116551034	0.80	cps
Strontium	86-1	3774999	3778071	3796240	3783103	0.30	cps
Strontium	88-1	32362785	32781412	32757817	32634005	0.72	cps
Sulfur	34-1	1373298	1353385	1375222	1367302	0.88	cps
Terbium	159-1	19023877	19030568	19285456	19113300	0.78	cps
Terbium	159-2	6028267	6121298	6113634	6087733	0.85	cps
Thallium	203-1	10049383	10063300	10015999	10042894	0.24	cps
Thallium	205-1	23907945	23640765	23685024	23744578	0.60	cps
Tin	118-1	9205200	9591183	9394793	9397059	2.05	cps
Titanium	47-1	15712384	15869866	15704399	15762216	0.59	cps
Uranium	238-1	32138450	32335768	32692360	32388859	0.87	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCV04 Instrumnet Name : P8
Client Sample ID : CCV04 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:04:17 DataFile Name : 061CCV.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	1774629	1781253	1797811	1784564	0.67	cps
Ytterbium	172-1	853	957	993	934	7.77	cps
Ytterbium	172-2	380	373	453	402	11.04	cps
Ytterbium	176-1	51972	52152	52450	52192	0.46	cps
Ytterbium	176-2	17402	17325	17018	17248	1.18	cps
Yttrium	89-1	27845915	27709210	27885915	27813680	0.33	cps
Yttrium	89-2	2097991	2057283	2072779	2076018	0.99	cps
Zinc	66-2	3562930	3555238	3545423	3554530	0.25	cps
Zirconium	90-1	20685577	20475332	20783366	20648092	0.76	cps
Zirconium	91-1	4563468	4558524	4639698	4587230	0.99	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB04 Instrumnet Name : P8
Client Sample ID : CCB04 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:16:41 DataFile Name : 063CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Aluminium	27-2	153	210	177	180	15.82	cps
Antimony	121-1	603	560	600	588	4.10	cps
Arsenic	75-2	3	10	3	6	69.34	cps
Barium	135-1	193	153	217	188	17.06	cps
Barium	137-1	317	293	290	300	4.84	cps
Beryllium	9-1	235	241	251	243	3.38	cps
Bismuth	209-1	11807407	12031682	12299150	12046080	2.04	cps
Bismuth	209-2	4829783	4751568	4650271	4743874	1.90	cps
Bromine	81-1	32494	31492	33376	32454	2.90	cps
Cadmium	108-1	23	20	37	27	33.08	cps
Cadmium	106-1	9397	9373	9510	9427	0.78	cps
Cadmium	111-1	6601	6571	6645	6606	0.56	cps
Calcium	43-1	1760	1603	1683	1682	4.66	cps
Calcium	44-1	40870	40877	40977	40908	0.15	cps
Carbon	12-1	3161847	3064212	3054772	3093610	1.92	cps
Carbon	12-2	23298	24063	24147	23836	1.96	cps
Chlorine	35-1	298140	293121	287668	292976	1.79	cps
Chlorine	35-2	1153	1063	993	1070	7.50	cps
Chromium	52-2	1437	1270	1247	1318	7.86	cps
Cobalt	59-2	50	93	77	73	29.80	cps
Copper	63-2	1820	1860	2047	1909	6.34	cps
Dysprosium	156-1	13	13	17	14	13.35	cps
Dysprosium	156-2	0	10	7	6	91.64	cps
Erbium	164-1	107	140	150	132	17.16	cps
Erbium	164-2	37	50	70	52	32.12	cps
Gadolinium	160-1	107	113	140	120	14.70	cps
Gadolinium	160-2	23	33	43	33	30.00	cps
Holmium	165-1	19142806	19725690	19457765	19442087	1.50	cps
Holmium	165-2	6787540	6720802	6749637	6752660	0.50	cps
Indium	115-1	16886363	16811778	16954182	16884108	0.42	cps
Indium	115-2	1755174	1733786	1695609	1728190	1.75	cps
Iron	54-2	993	993	877	954	7.06	cps
Iron	56-2	12873	15694	13270	13945	10.95	cps
Iron	57-2	343	380	290	338	13.40	cps
Krypton	83-1	253	270	257	260	3.39	cps
Lead	206-1	1350	1400	1343	1365	2.27	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB04 Instrumnet Name : P8
Client Sample ID : CCB04 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:16:41 DataFile Name : 063CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Lead	207-1	1303	1143	1123	1190	8.29	cps
Lead	208-1	5440	5354	5284	5359	1.46	cps
Lithium	6-1	4808518	4868062	4704518	4793699	1.73	cps
Magnesium	24-2	477	390	447	438	10.05	cps
Manganese	55-2	1433	1540	1403	1459	4.92	cps
Molybdenum	94-1	820	890	957	889	7.69	cps
Molybdenum	95-1	393	363	387	381	4.13	cps
Molybdenum	96-1	560	453	520	511	10.54	cps
Molybdenum	97-1	177	180	210	189	9.72	cps
Molybdenum	98-1	500	500	517	506	1.90	cps
Neodymium	150-1	17	23	30	23	28.56	cps
Neodymium	150-2	7	0	0	2	173.21	cps
Nickel	60-2	347	277	307	310	11.33	cps
Phosphorus	31-2	93	70	93	86	15.74	cps
Potassium	39-2	15265	15111	15158	15178	0.52	cps
Rhodium	103-1	15873423	15620210	15714509	15736047	0.81	cps
Rhodium	103-2	6169021	6220164	6025638	6138275	1.64	cps
Scandium	45-1	10407861	10455663	10592080	10485201	0.91	cps
Scandium	45-2	198216	199134	197279	198210	0.47	cps
Selenium	82-1	30	7	-40	-1	-3201.33	cps
Selenium	77-2	0	3	0	1	173.21	cps
Selenium	78-2	20	10	17	16	32.73	cps
Silicon	28-1	452286	468330	454492	458369	1.90	cps
Silver	107-1	387	467	423	426	9.41	cps
Silver	109-1	310	213	247	257	19.13	cps
Sodium	23-2	41947	42201	41663	41937	0.64	cps
Strontium	86-1	567	570	487	541	8.72	cps
Strontium	88-1	647	750	780	726	9.64	cps
Sulfur	34-1	563223	564958	566279	564820	0.27	cps
Terbium	159-1	20399261	20442090	20508146	20449832	0.27	cps
Terbium	159-2	6575869	6474718	6513003	6521197	0.78	cps
Thallium	203-1	597	573	493	554	9.77	cps
Thallium	205-1	1280	1180	1313	1258	5.52	cps
Tin	118-1	4354	4291	4628	4424	4.05	cps
Titanium	47-1	250	257	220	242	8.06	cps
Uranium	238-1	67	113	83	88	26.94	cps

LB Number : LB135886 Operator : Jaswal
Lab Sample ID : CCB04 Instrumnet Name : P8
Client Sample ID : CCB04 Dilution Factor : 1
Date & Time Acquired : 2025-05-21 18:16:41 DataFile Name : 063CCBE.d

Parameter	Mass	CPS1	CPS2	CPS3	CPSMean	CPSRSD	Units
Vanadium	51-2	7	13	13	11	34.61	cps
Ytterbium	172-1	87	140	77	101	33.67	cps
Ytterbium	172-2	47	50	37	44	15.61	cps
Ytterbium	176-1	2197	2350	2157	2235	4.57	cps
Ytterbium	176-2	500	643	597	580	12.60	cps
Yttrium	89-1	30115898	30538192	30171543	30275211	0.76	cps
Yttrium	89-2	2238720	2229248	2218344	2228771	0.46	cps
Zinc	66-2	837	813	807	819	1.92	cps
Zirconium	90-1	1713	1927	1937	1859	6.79	cps
Zirconium	91-1	430	383	377	397	7.33	cps

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pipette ID : ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID : 1. HOT BLOCK #3 2. N/A

Start Digest Date: 05/21/2025 Time : 10:20 Temp : 96 °C

End Digest Date: 05/21/2025 Time : 12:31 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #3

Dig Technician Signature: 

Supervisor Signature: 

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
Spike Sol 1	1.00	MP85581
Spike Sol 2	2.00	MP85582
Spike Sol 3	2.00	MP85583
Spike Sol 4	2.00	MP85584
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	5.00	M6158
1:1 HNO3	10.00	MP84041
30% H2O2	3.00	M6125
PTFE Boiling Stones	N/A	M5581
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 #3 CELL#35 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/21/25 13:31	sls.met dig	
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB168105BL	PBS105	N/A	1.00	100	Colorless	Colorless	Fine	N/A	N/A	1
PB168105BS	LCS105	N/A	1.00	100	Colorless	Colorless	Fine	N/A	MP85581,MP85582,MP85583,N	2
Q2085-01	SC-4-SED-051525	N/A	1.27	100	Brown	Yellow	Medium	N/A	N/A	3
Q2085-02	SC-3-SED-051525	N/A	1.15	100	Brown	Yellow	Medium	N/A	N/A	4
Q2085-03	SC-2-SED-051525	N/A	1.27	100	Brown	Yellow	Medium	N/A	N/A	5
Q2085-04	SC-1-SED-051525	N/A	1.40	100	Brown	Yellow	Medium	N/A	N/A	6
Q2085-04DUP	SC-1-SED-051525DUP	N/A	1.33	100	Brown	Yellow	Medium	N/A	N/A	7
Q2085-05	Q2085-04MS	N/A	1.31	100	Brown	Yellow	Medium	N/A	MP85581,MP85582,MP85583,N	8
Q2085-06	Q2085-04MSD	N/A	1.28	100	Brown	Yellow	Medium	N/A	MP85581,MP85582,MP85583,N	9
Q2085-07	SC-COMP-SED-051525	N/A	1.31	100	Brown	Yellow	Medium	N/A	N/A	10
Q2085-08	DUPE-1-SC	N/A	1.41	100	Brown	Yellow	Medium	N/A	N/A	11

WORKLIST(Hardcopy Internal Chain)

Worklist Name : PB168105

Worklist ID : 189669

Department : Digestion

Date : 05-21-2025 09:49:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2085-01	SC-4-SED-051525	Solid	Metals ICP-Group	Cool 4 deg C	USAR03	L41	05/15/2025	6020B
Q2085-02	SC-3-SED-051525	Solid	Metals ICP-Group	Cool 4 deg C	USAR03	L41	05/15/2025	6020B
Q2085-03	SC-2-SED-051525	Solid	Metals ICP-Group	Cool 4 deg C	USAR03	L41	05/15/2025	6020B
Q2085-04	SC-1-SED-051525	Solid	Metals ICP-Group	Cool 4 deg C	USAR03	L41	05/15/2025	6020B
Q2085-05	Q2085-04MSD	Solid	Metals ICP-Group	Cool 4 deg C	USAR03	L41	05/15/2025	6020B
Q2085-06	Q2085-04MSD	Solid	Metals ICP-Group	Cool 4 deg C	USAR03	L41	05/16/2025	6020B
Q2085-07	SC-COMP-SED-051525	Solid	Metals ICP-Group	Cool 4 deg C	USAR03	L41	05/16/2025	6020B
Q2085-08	DUPE-1-SC	Solid	Metals ICP-Group	Cool 4 deg C	USAR03	L41	05/16/2025	6020B

Date/Time

05/21/25 10:05

Raw Sample Received by:

SKS.mct.d19

Raw Sample Relinquished by:

SKS

Date/Time

05/21/25 11:05

Raw Sample Received by:

SKS.mct.d19

Raw Sample Relinquished by:

SKS



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:40
In Date: 05/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:32
Out Date: 05/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135838

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2078-02	WC-A4-04-C	1	1.15	10.80	11.95	9.4	76.4	
Q2078-06	WC-A4-05-C	2	1.15	10.43	11.58	9.42	79.3	
Q2078-10	WC-A1-06A-C	3	1.16	10.55	11.71	9.26	76.8	
Q2078-14	WC-A1-07A-C	4	1.15	9.99	11.14	9.05	79.1	
Q2078-18	WC-A4-06-C	5	1.13	10.77	11.9	9.68	79.4	
Q2079-02	WC-A2-01-C	6	1.18	10.33	11.51	9.02	75.9	
Q2079-06	WC-A2-02-C	7	1.18	10.18	11.36	9.29	79.7	
Q2079-10	WC-A2-03-C	8	1.16	10.47	11.63	9.53	79.9	
Q2084-01	OR-640-COMP-66	9	1.15	10.74	11.89	9.9	81.5	
Q2084-02	OR-640-VOC-66	10	1.19	9.99	11.18	9.86	86.8	
Q2084-03	OR-640-146	11	1.13	10.56	11.69	10.55	89.2	
Q2084-04	OR-640-147	12	1.15	9.69	10.84	9.86	89.9	
Q2085-01	SC-4-SED-051525	13	1.19	10.24	11.43	8.94	75.7	
Q2085-02	SC-3-SED-051525	14	1.16	9.94	11.1	8.5	73.8	
Q2085-03	SC-2-SED-051525	15	1.17	9.99	11.16	9.09	79.3	
Q2085-04	SC-1-SED-051625	16	1.18	10.21	11.39	8.38	70.5	
Q2085-05	Q2085-04MS	17	1.18	10.21	11.39	8.38	70.5	
Q2085-06	Q2085-04MSD	18	1.18	10.21	11.39	8.38	70.5	
Q2085-07	SC-COMP-SED-051625	19	1.19	10.61	11.8	8.99	73.5	
Q2085-08	DUPE-1-SC	20	1.13	10.31	11.44	8.99	76.2	
Q2087-01	NB-07-05202025	27	1.15	10.38	11.53	10.68	91.8	
Q2087-02	NB-07-05202025-E2	28	1.15	9.53	10.68	10.64	99.6	
Q2087-03	NB-08-05202025	29	1.16	10.46	11.62	11.1	95.0	
Q2087-04	NB-08-05202025-E2	30	1.13	10.07	11.2	10.5	93.0	
Q2092-01	VNJ-202	31	1.15	10.56	11.71	10.45	88.1	
Q2093-01	SOIL-DRUMS	32	1.12	10.22	11.34	5.78	45.6	
Q2094-01	COMP-1	33	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2094-02	COMP-2	34	1.00	1.00	2.00	2.00	100.0	CONCRETE sample



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/21/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:40
In Date: 05/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:32
Out Date: 05/21/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135838

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2094-03	COMP-3	35	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2094-04	COMP-4	36	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2094-05	COMP-5	37	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2095-01	WCS-TP1	21	1.15	10.00	11.15	10.47	93.2	
Q2095-02	WCS-TP1-EPH	22	1.14	10.61	11.75	10.98	92.7	
Q2095-03	WCS-TP1-VOC	23	1.14	10.05	11.19	10.8	96.1	
Q2095-05	WCS-TP2	24	1.19	10.48	11.67	10.57	89.5	
Q2095-06	WCS-TP2-EPH	25	1.13	10.25	11.38	10.5	91.4	
Q2095-07	WCS-TP2-VOC	26	1.19	10.56	11.75	11.22	95.0	
Q2097-01	ETGI-357	38	1.14	9.84	10.98	9.98	89.8	
Q2097-03	RBR200044	39	1.14	10.23	11.37	10.25	89.1	
Q2097-05	RBR251675	40	1.13	10.75	11.88	11.14	93.1	
Q2097-07	VNJ-244	41	1.15	10.55	11.7	10.77	91.2	
Q2097-09	ETGI-290	42	1.17	10.72	11.89	11.8	99.2	
Q2097-11	RT3419	43	1.13	10.65	11.78	11.15	94.1	
Q2097-13	RBR251372	44	1.15	10.70	11.85	11.22	94.1	
Q2097-15	72-12013	45	1.15	10.72	11.87	11.37	95.3	
Q2097-17	RT-3888	46	1.15	10.84	11.99	11.21	92.8	
Q2099-01	OILY-DEBRIS	47	1.13	10.74	11.87	10.44	86.7	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

135838

WorkList Name : %1-052025

WorkList ID : 189622

Department : Wet-Chemistry

Date : 05-20-2025 08:38:55

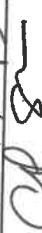
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2078-02	WC-A4-04-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/13/2025	Chemtech -SO
Q2078-06	WC-A4-05-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/13/2025	Chemtech -SO
Q2078-10	WC-A1-06A-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/13/2025	Chemtech -SO
Q2078-14	WC-A1-07A-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/13/2025	Chemtech -SO
Q2078-18	WC-A4-06-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/13/2025	Chemtech -SO
Q2079-02	WC-A2-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/14/2025	Chemtech -SO
Q2079-06	WC-A2-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	05/13/2025	Chemtech -SO
Q2079-10	WC-A2-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	05/13/2025	Chemtech -SO
Q2084-01	OR-640-COMP-66	Solid	Percent Solids	Cool 4 deg C	ENTA05	L31	05/13/2025	Chemtech -SO
Q2084-02	OR-640-VOC-66	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/19/2025	Chemtech -SO
Q2084-03	OR-640-146	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/19/2025	Chemtech -SO
Q2084-04	OR-640-147	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/19/2025	Chemtech -SO
Q2085-01	SC-4-SED-051525	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/19/2025	Chemtech -SO
Q2085-02	SC-3-SED-051525	Solid	Percent Solids	Cool 4 deg C	USAR03	L41	05/15/2025	Chemtech -SO
Q2085-03	SC-2-SED-051525	Solid	Percent Solids	Cool 4 deg C	USAR03	L41	05/15/2025	Chemtech -SO
Q2085-04	SC-1-SED-051525	Solid	Percent Solids	Cool 4 deg C	USAR03	L41	05/15/2025	Chemtech -SO
Q2085-05	Q2085-04MS	Solid	Percent Solids	Cool 4 deg C	USAR03	L41	05/15/2025	Chemtech -SO
Q2085-06	Q2085-04MSD	Solid	Percent Solids	Cool 4 deg C	USAR03	L41	05/15/2025	Chemtech -SO
Q2085-07	SC-COMP-SED-051525	Solid	Percent Solids	Cool 4 deg C	USAR03	L41	05/16/2025	Chemtech -SO
Q2085-08	DUPE-1-SC	Solid	Percent Solids	Cool 4 deg C	USAR03	L41	05/16/2025	Chemtech -SO
Q2087-01	NB-07-05202025	Solid	Percent Solids	Cool 4 deg C	USAR03	L41	05/16/2025	Chemtech -SO
					PSEG05	L31	05/20/2025	Chemtech -SO

Date/Time 05/20/25 16:10

Raw Sample Received by: 

Raw Sample Relinquished by: 

Date/Time 05/20/25

Raw Sample Received by: 

Raw Sample Relinquished by: 

WORKLIST(Hardcopy Internal Chain)

NB 135838

WorkList Name : %1-052025

WorkList ID : 189622

Department : Wet-Chemistry

Date : 05-20-2025 08:38:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2087-02	NB-07-05202025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/20/2025	Chemtech -SO
Q2087-03	NB-08-05202025	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/20/2025	Chemtech -SO
Q2087-04	NB-08-05202025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/20/2025	Chemtech -SO
Q2092-01	VNJ-202	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2093-01	SOIL-DRUMS	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2094-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2094-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2094-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2094-04	COMP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2094-05	COMP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2095-01	WCS-TP1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2095-02	WCS-TP1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2095-03	WCS-TP1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2095-05	WCS-TP2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2095-06	WCS-TP2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2095-07	WCS-TP2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-01	ETGI-357	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-03	RBR200044	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-05	RBR251675	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-07	VNJ-244	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-09	ETGI-290	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO

Date/Time 05/20/25 16:10
 Raw Sample Received by: DR 5m
 Raw Sample Relinquished by: DR 5m

Date/Time

05/20/25

Raw Sample Received by:

DR 5m

Raw Sample Relinquished by:

DR 5m

WORKLIST(Hardcopy Internal Chain)

UN 135838

WorkList Name : %1-052025 WorkList ID : 189622 Department : Wet-Chemistry Date : 05-20-2025 08:38:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2097-11	RT3419	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-13	RBR251372	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-15	72-12013	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2097-17	RT-3888	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO
Q2099-01	OILY-DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/20/2025	Chemtech -SO

Date/Time 05/20/25 16:10
 Raw Sample Received by: CP 5M
 Raw Sample Relinquished by: CP 5M

Date/Time 05/20/25 16:45
 Raw Sample Received by: CP 5M
 Raw Sample Relinquished by: SD 602C

Instrument ID: P8

Daily Analysis Runlog For Sequence/QC Batch ID # LB135886

Review By	jaswal	Review On	5/23/2025 2:54:45 AM
Supervise By	Janvi	Supervise On	5/23/2025 9:40:12 AM

STD. NAME	STD REF.#
ICAL Standard	MP85577,MP85606,MP85605,MP85602,MP85595,MP85594,MP85592,MP85580,MP85579
ICV Standard	MP85607
CCV Standard	MP85608
ICSA Standard	MP85641,MP85642
CRI Standard	MP85605
LCS Standard	
Chk Standard	MP85644,MP85645

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE	TUNE	05/21/25 13:07		Jaswal	OK
2	S0	S0	CAL1	05/21/25 13:53		Jaswal	OK
3	S2	S2	CAL3	05/21/25 14:00		Jaswal	OK
4	S3	S3	CAL4	05/21/25 14:03		Jaswal	OK
5	S4	S4	CAL5	05/21/25 14:07		Jaswal	OK
6	S5	S5	CAL6	05/21/25 14:09		Jaswal	OK
7	S6	S6	CAL7	05/21/25 14:12		Jaswal	OK
8	S7	S7	CAL8	05/21/25 14:15		Jaswal	OK
9	S8	S8	CAL9	05/21/25 14:18		Jaswal	OK
10	ICV01	ICV01	ICV	05/21/25 14:30		Jaswal	OK
11	LLICV01	LLICV01	LLICV	05/21/25 14:33		Jaswal	OK
12	ICB01	ICB01	ICB	05/21/25 14:37		Jaswal	OK
13	ICSA01	ICSA01	ICSA	05/21/25 14:40		Jaswal	OK
14	ICSAB01	ICSAB01	ICSAB	05/21/25 14:43		Jaswal	OK
15	CCV01	CCV01	CCV	05/21/25 14:51		Jaswal	OK
16	CCB01	CCB01	CCB	05/21/25 14:57		Jaswal	OK
17	CRI	CRI	CRDL	05/21/25 15:00		Jaswal	OK
18	PB167960BL	PB167960BL	MB	05/21/25 15:31		Jaswal	OK

Instrument ID: P8

Daily Analysis Runlog For Sequence/QC Batch ID # LB135886

Review By	jaswal	Review On	5/23/2025 2:54:45 AM
Supervise By	Janvi	Supervise On	5/23/2025 9:40:12 AM
STD. NAME	STD REF.#		
ICAL Standard	MP85577,MP85606,MP85605,MP85602,MP85595,MP85594,MP85592,MP85580,MP85579		
ICV Standard	MP85607		
CCV Standard	MP85608		
ICSA Standard	MP85641,MP85642		
CRI Standard	MP85605		
LCS Standard			
Chk Standard	MP85644,MP85645		

19	PB167960BS	PB167960BS	LCS	05/21/25 15:34		Jaswal	OK
20	PB167960TB	PB167960TB	MB	05/21/25 15:37		Jaswal	OK
21	Q1984-02DL	OU4-PCS-TC-33-050	SAM	05/21/25 15:40	5X Stright	Jaswal	OK
22	Q1984-04DL	OU4-PCS-TC-34-050	SAM	05/21/25 15:43	5X Stright	Jaswal	OK
23	Q1984-06DL	OU4-PCS-TC-35-050	SAM	05/21/25 15:46	5X Stright	Jaswal	OK
24	Q1984-08DL	OU4-TS-24-050725DI	SAM	05/21/25 15:50	5X Stright	Jaswal	OK
25	Q1984-10DL	OU4-TS-25-050725DI	SAM	05/21/25 15:53	5X Stright	Jaswal	OK
26	Q1984-12DL	OU4-TS-26-050725DI	SAM	05/21/25 15:56	5X Stright	Jaswal	OK
27	CCV02	CCV02	CCV	05/21/25 15:59		Jaswal	OK
28	CCB02	CCB02	CCB	05/21/25 16:05		Jaswal	OK
29	Q1984-14DL	OU4-TS-27-050725DI	SAM	05/21/25 16:09	5X Stright	Jaswal	OK
30	Q1984-16DL	OU4-TS-28-050725DI	SAM	05/21/25 16:12	Not Use	Jaswal	Not Ok
31	Q1984-16DUPDL	OU4-TS-28-050725DI	DUP	05/21/25 16:15	Not Use	Jaswal	Not Ok
32	Q1984-16LDL	OU4-TS-28-050725DI	SD	05/21/25 16:18	Not Use	Jaswal	Not Ok
33	Q1984-16MSDL	OU4-TS-28-050725DI	MS	05/21/25 16:22	Not Use	Jaswal	Not Ok
34	Q1984-16MSDDL	OU4-TS-28-050725DI	MSD	05/21/25 16:24	Not Use	Jaswal	Not Ok
35	Q1984-16ADL	OU4-TS-28-050725DI	PS	05/21/25 16:27	Not Use	Jaswal	Not Ok
36	PB168105BL	PB168105BL	MB	05/21/25 16:45		Jaswal	OK
37	PB168105BS	PB168105BS	LCS	05/21/25 16:49		Jaswal	OK
38	Q2085-01	SC-4-SED-051525	SAM	05/21/25 16:54		Jaswal	OK

Instrument ID: P8

Daily Analysis Runlog For Sequence/QC Batch ID # LB135886

Review By	jaswal	Review On	5/23/2025 2:54:45 AM
Supervise By	Janvi	Supervise On	5/23/2025 9:40:12 AM

STD. NAME	STD REF.#
ICAL Standard	MP85577,MP85606,MP85605,MP85602,MP85595,MP85594,MP85592,MP85580,MP85579
ICV Standard	MP85607
CCV Standard	MP85608
ICSA Standard	MP85641,MP85642
CRI Standard	MP85605
LCS Standard	
Chk Standard	MP85644,MP85645

39	CCV03	CCV03	CCV	05/21/25 16:57		Jaswal	OK
40	CCB03	CCB03	CCB	05/21/25 17:28		Jaswal	OK
41	Q2085-02	SC-3-SED-051525	SAM	05/21/25 17:32		Jaswal	OK
42	Q2085-03	SC-2-SED-051525	SAM	05/21/25 17:35		Jaswal	OK
43	Q2085-04	SC-1-SED-051625	SAM	05/21/25 17:39		Jaswal	OK
44	Q2085-04DUP	SC-1-SED-051625DUP	DUP	05/21/25 17:42		Jaswal	OK
45	Q2085-04L	SC-1-SED-051625L	SD	05/21/25 17:45		Jaswal	OK
46	Q2085-05	SC-1-SED-051625MS	MS	05/21/25 17:48		Jaswal	OK
47	Q2085-06	SC-1-SED-051625MS	MSD	05/21/25 17:51		Jaswal	OK
48	Q2085-04A	SC-1-SED-051625A	PS	05/21/25 17:54		Jaswal	OK
49	Q2085-07	SC-COMP-SED-0516	SAM	05/21/25 17:56		Jaswal	OK
50	Q2085-08	DUPE-1-SC	SAM	05/21/25 18:00		Jaswal	OK
51	CCV04	CCV04	CCV	05/21/25 18:04		Jaswal	OK
52	CCB04	CCB04	CCB	05/21/25 18:16		Jaswal	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB135943

Review By	Review On
Supervise By	Supervise On
STD. NAME	STD REF.#
ICAL Standard	MP85781,MP85782,MP85783,MP85784,MP85785,MP85786
ICV Standard	MP85787
CCV Standard	MP85789
ICSA Standard	
CRI Standard	MP85791
LCS Standard	
Chk Standard	MP85788,MP85790,MP85792,MP85796

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	05/29/25 10:53		MOHAN	OK
2	S0.2	S0.2	CAL2	05/29/25 10:55		MOHAN	OK
3	S2.5	S2.5	CAL3	05/29/25 10:57		MOHAN	OK
4	S5	S5	CAL4	05/29/25 11:10		MOHAN	OK
5	S7.5	S7.5	CAL5	05/29/25 11:12		MOHAN	OK
6	S10	S10	CAL6	05/29/25 11:15		MOHAN	OK
7	ICV21	ICV21	ICV	05/29/25 11:18		MOHAN	OK
8	ICB21	ICB21	ICB	05/29/25 11:20		MOHAN	OK
9	CCV76	CCV76	CCV	05/29/25 11:22		MOHAN	OK
10	CCB76	CCB76	CCB	05/29/25 11:27		MOHAN	OK
11	CRA	CRA	CRDL	05/29/25 11:38		MOHAN	OK
12	HighStd	HighStd	HIGH STD	05/29/25 11:45		MOHAN	OK
13	ChkStd	ChkStd	SAM	05/29/25 11:50		MOHAN	OK
14	PB168173BL	PB168173BL	MB	05/29/25 11:55		MOHAN	OK
15	PB168173BS	PB168173BS	LCS	05/29/25 11:58		MOHAN	OK
16	Q1872-10	HW0425-PT-MET-SO	SAM	05/29/25 12:00	Hg High	MOHAN	Dilution
17	Q2085-01	SC-4-SED-051525	SAM	05/29/25 12:02		MOHAN	OK
18	Q2085-02	SC-3-SED-051525	SAM	05/29/25 12:05		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB135943

Review By	Review On
Supervise By	Supervise On
STD. NAME	STD REF.#
ICAL Standard	MP85781,MP85782,MP85783,MP85784,MP85785,MP85786
ICV Standard	MP85787
CCV Standard	MP85789
ICSA Standard	
CRI Standard	MP85791
LCS Standard	
Chk Standard	MP85788,MP85790,MP85792,MP85796

19	Q2085-03	SC-2-SED-051525	SAM	05/29/25 12:07		MOHAN	OK
20	Q2085-04	SC-1-SED-051625	SAM	05/29/25 12:10		MOHAN	OK
21	CCV77	CCV77	CCV	05/29/25 12:25		MOHAN	OK
22	CCB77	CCB77	CCB	05/29/25 12:30		MOHAN	OK
23	Q2085-04DUP	SC-1-SED-051625DUP	DUP	05/29/25 12:32		MOHAN	OK
24	Q2085-05	SC-1-SED-051625MS	MS	05/29/25 12:43		MOHAN	OK
25	Q2085-06	SC-1-SED-051625MS	MSD	05/29/25 12:45		MOHAN	OK
26	Q2085-07	SC-COMP-SED-0516	SAM	05/29/25 12:48		MOHAN	OK
27	Q2085-08	DUPE-1-SC	SAM	05/29/25 12:50		MOHAN	OK
28	Q2127-01	COMP-1	SAM	05/29/25 12:52		MOHAN	OK
29	Q2127-11	COMP-2	SAM	05/29/25 12:55		MOHAN	OK
30	Q2085-04L	SC-1-SED-051625L	SD	05/29/25 12:57		MOHAN	OK
31	Q2085-04A	SC-1-SED-051625A	PS	05/29/25 12:59		MOHAN	OK
32	CCV78	CCV78	CCV	05/29/25 13:01		MOHAN	OK
33	CCB78	CCB78	CCB	05/29/25 13:04		MOHAN	OK
34	Q1872-10DL	HW0425-PT-MET-SO	SAM	05/29/25 13:06	25X for Hg still High	MOHAN	Dilution
35	Q1872-10DL2	HW0425-PT-MET-SO	SAM	05/29/25 13:08	50X Hg	MOHAN	Confirms
36	CCV79	CCV79	CCV	05/29/25 13:19		MOHAN	OK
37	CCB79	CCB79	CCB	05/29/25 13:22		MOHAN	OK



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: US Army Corps of Engineers

ADDRESS: 2 Hopkins Plaza

CITY Baltimore STATE: MD ZIP: 21201

ATTENTION: Kendall Rosenberg

PHONE: 443-406-5447 FAX: N/A

CLIENT PROJECT INFORMATION

PROJECT NAME: USACE NAB SEDIMENT 25

PROJECT NO.: LOCATION: Slaughter, MD

PROJECT MANAGER: YAZMEE

e-mail: Kendall.M.Rosenberg@USACE.ARMY.MD

PHONE: 443-406-5447 FAX: N/A

CLIENT BILLING INFORMATION

BILL TO: Kendall Rosenberg PO#:

ADDRESS: 2 Hopkins Plaza

CITY Baltimore STATE: MD ZIP: 21201

ATTENTION: Kendall Rosenberg PHONE: 443-406-5447

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☒ EDD FORMAT PDF

1. Percent Solids
2. TKW
3. TOC
4. Metals ILP group
5. Dissolved Metals
6. Ammonia
7. Nitrate
8. Nitrite
9. Phosphate

PRESERVATIVES

COMMENTS

ALLIANCE
SAMPLE
ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE
COMP GRAB

SAMPLE
COLLECTION
DATE TIME

OF BOTTLES

E E E E E E
1 2 3 4 5 6 7 8 9

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

1.	SC-4-SED-051525	SED	X	5/15/25	1550	6	1	1	1	1	1	1						
2.	SC-3-SED-051525		X	5/15/25	1621	6	1	1	1	1	1	1						
3.	SC-2-SED-051525		X	5/15/25	1704	6	1	1	1	1	1	1						
4.	SC-1-SED-051625		X	5/16/25	1008	6	1	1	1	1	1	1						
5.	SC-1-SED-MS-051625		X	5/16/25	1008	1	0	0	0	1	0	0					MS	
6.	SC-1-SED-MSD-051625		X	5/16/25	1008	1	0	0	0	1	0	0					MSD	
7.	SC-COMP-SED-051625	X		5/16/25	1045	6	1	1	1	1	1	1						
8.	DUPE-1-SC	X	X	—	—	6	1	1	1	1	1	1						
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt:
1. KMR; USACE	5/19/25	1. FedEx	☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.2 °C
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Comments: 2 coolers in shipment
2.	5/20/25	2. CR	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3.		3.	

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488